

List of Publications

A. Articles in peer-reviewed journals

2024

538. Friederici, A.D., Wittig, R.M., Anwander, A., Eichner, C., Gräßle, T., Jäger, C., Kirilina, E., Lipp, I., Düx, A., Edwards, L., Girard-Buttoz, C., Jauch, A., Kopp, K.S., Paquette, M., Pine, K., Unwin, S., Haun, D.B.M., Leendertz, F.H., McElreath, R., Morawski, M., Gunz, P., Weiskopf, N., Crockford C. & EBC consortium (2024). Brain structure and function: A multidisciplinary pipeline to study hominoid brain evolution. *Frontiers in Integrative Neuroscience*, 17:1299087. doi: 10.3389/fnint.2023.1299087.
537. Wei, X., Gunter, T.C., Adamson, H., Schwendemann, M., Friederici, A.D., Goucha, T., & Anwander, A. (2024). White matter plasticity during second language learning within and across hemispheres. *PNAS*, 121(2), e2306286121. doi: 10.1073/pnas.2306286121
536. Wu, J., Cheng, Y., Qu, X., Kang, T., Cai, Y., Wang, P., Zaccarella, E., Friederici, A.D., Hartwigsen, G. & Chen, L. (2024). Continuous theta-burst stimulation on the left posterior inferior frontal gyrus perturbs complex syntactic processing stability in Mandarin Chinese. *Neurobiology of Language*. https://doi.org/10.1162/nol_a_00140

2023

535. Amunts, K., Axer, M., Bitsch, L., Bjaalie, J.G., Brauner P., Brovelli, A., Calarco, N., Caspers, S., Charvet, C., Cichon, S., Cools, R., Changeux, J.-P., Costantini, I., D'Angelo, E., De Bonis, G., Deco, G., DeFelipe, J., Destexhe, A., Dickscheid, T., Diesmann, M., Duqué, J., Düzel, E., Eickhoff, S.B., Gaute E., Eke, D., Engel, A.K., Evans, A.C., Evers, K., Fousek, J., Friederici, A.D., ... & Zaborszky, L. (2023). The coming decade of digital brain research - A vision for neuroscience at the intersection of technology and computing (Version 4.0). Zenodo. <https://doi.org/10.5281/zenodo.7764003>
534. Bortolato, T., Friederici, A.D., Girard-Buttoz, C., Wittig, R.M., & Crockford, C. (2023). Chimpanzees show the capacity to communicate about concomitant daily life events. *iScience*, 26, 108090. <https://doi.org/10.1016/j.isci.2023.108090>
533. Chen, L., Gao, C., Li, Z., Zaccarella, E., Friederici, A.D. & Feng, L. (2023). Frontotemporal effective connectivity revealed a language-general syntactic network for Mandarin Chinese. *Journal of Neurolinguistics*, 66, 101127. doi:10.1016 /j.jneuroling.2023.101127
532. Cheung, V.K.M., Harrison, P.M.C., Koelsch, S., Pearce, M.T., Friederici, A.D. & Meyer, L. (2023). Cognitive and sensory expectations independently shape musical expectancy and pleasure. *Philosophical Transactions of the Royal Society B*, 379: 20220420. doi: 10.1098/rstb.2022.0420.
531. Friederici, A.D. (2023). Evolutionary neuroanatomical expansion of Broca's region serving a human-specific function. *Trends in Neuroscience*, 46(10), 786-796. doi: 10.1016/j.tins.2023.07.004

530. Gallardo, G., Eichner C., Sherwood, C.C., Hopkins, W.D., Anwander, A. & Friederici, A.D. (2023). Morphological evolution of language-relevant brain areas. *Plos Biology*, 21(9): e3002266. <https://doi.org/10.1371/journal.pbio.3002266>
529. Graessner, A., Duchow, C., Zaccarella, E., Friederici, A.D., Obrig, H. & Hartwigsen, G. (2023). Electrophysiological correlates of basic semantic composition in people with aphasia. *NeuroImage: Clinical*, 40: 103516. <https://doi.org/10.1016/j.nicl.2023.103516>
528. Gräßle, T., Crockford, C., Eichner, C., Girard-Buttoz, C., Jäger, C., Kirilina, E., Lipp, I., EBC Brain Sourcing Consortium, Düx, A., Edwards, L., Jauch, A., Kopp, K.S., Paquette, M., Pine, K., Haun, D.B.M., McElreath, R., Anwander, A., Gunz, P., Morawski, M., Friederici, A.D., Weiskopf, N., Leendertz, F.H. & Wittig, R. (2023). Sourcing high tissue quality brains from deceased wild primates with known socio-ecology. *Methods in Ecology & Evolution*, 14(8), 1906-1924. doi: 10.1111/2041-210X.14039
527. Krause, C.D., Fengler, A., Pino, D., Sehm, B., Friederici, A.D. & Obrig, H. (2023). The role of left temporo-parietal and inferior frontal cortex in comprehending syntactically complex sentences: A brain stimulation study. *Neuropsychologia*, 180, 108465. doi: 10.1016/j.neuropsychologia.2022.108465
526. Liu, Y., Gao, C., Peng, W., Friederici, A.D., Zaccarella, E. & Chen, L. (2023). Exploring the neurobiology of Merge at a basic level: Insights from a novel artificial grammar paradigm. *Frontiers in Psychology*, 14:1151518. doi:10.3389/fpsyg.2023.1151518
525. Schaad, G., Werwach, A., Obrig, H., Friederici, A.D. & Männel, C. (2023). Maturation of consonant perception, but not vowel perception, predicts lexical skills at 12 months. *Child Development*, 00, 1-15. doi: 10.1111/cdev.13892
524. Schroen, J.A.M., Gunter, T.C., Numssen, O., Kroczeck, L.O.H., Hartwigsen, G. & Friederici, A.D. (2023). Causal evidence for a coordinated temporal interplay within the language network. *PNAS*, 120(47): e2306279120. <https://doi.org/10.1073/pnas.2306279120>
523. van der Burght, C.L., Friederici, A.D., Maran, M., Papitto, G., Pyatigorskaya, E., Schroën, J.A.M., Trittenbrein, P.C. & Zaccarella, E. (2023). Cleaning up the brickyard: How theory and methodology shape experiments in cognitive neuroscience of language. *Journal of Cognitive Neuroscience*. doi: 10.1162/jocn_a_02058
522. Wei, X., Adamson, H., Schwendemann, M., Goucha, T., Friederici, A.D. & Anwander, A. (2023). Native language differences in the structural connectome of the human brain. *NeuroImage*, 119955. doi: 10.1016/j.neuroimage.2023.119955

2022

521. Berger, P., Friederici, A.D. & Grosse Wiesmann, C. (2022). Maturational indices of the cognitive control network are associated with inhibitory control in early childhood. *The Journal of Neuroscience*, 42(32) 6258-6266.
520. Friedrich, M., Mölle, M., Born, J. & Friederici, A.D. (2022). Memory for non-adjacent dependencies in the first year of life: Sleep changes the nature of representation. *Nature Communications*. doi: 10.1038/s41467-022-35558-x

519. **Girard-Buttoz, C., Zaccarella, E., Bortolato, T., Friederici, A.D., Wittig, R.M. & Crockford, C.** (2022). Chimpanzees produce vocal sequences with ordered and recombinatorial properties. *Communications Biology*, 5:410. doi:10.1038/s42003-022-03350-8
518. **Klein, C.C., Berger, P., Goucha, T., Friederici, A.D. & Grosse Wiesmann, C.** (2022). Children's syntax is supported by the maturation of BA44 at 4 years, but of the posterior STS at 3 years of age. *Cerebral Cortex, bhac430*. doi: 10.1093/cercor/bhac430
517. **Maran, M., Friederici, A.D. & Zaccarella, E.** (2022). Syntax through the looking glass: A review on two-word linguistic processing across behavioral, neuroimaging and neurostimulation studies. *Neuroscience and Biobehavioral Reviews*, 142, 104881. doi: 10.1016/j.neubiorev.2022.104881
516. **Papadimitriou, C.H. & Friederici, A.D.** (2022). Bridging the gap between neurons and cognition through assemblies of neurons. *Neural Computation*, 34(2), 291–306. doi: 10.1162/neco_a_01463
515. **Sánchez, S.M., Schmidt, H., Gallardo, G., Anwander, A., Brauer, J., Friederici, A.D. & Knösche, T.R.** (2022). White matter brain structure predicts language performance and learning success. *Human Brain Mapping*, 1-11. doi: 10.1002/hbm.26132
514. **Schell, M., Friederici, A.D. & Zaccarella, E.** (2022). Neural classification maps for distinct word combinations in Broca's area. *Frontiers in Human Neuroscience*. doi: 10.3389/fnhum.2022.930849
513. **Wang, P., He, Y., Maess, B., Yue, J., Chen, L., Brauer, J., Friederici, A.D. & Knösche, T.R.** (2022). Alpha power during task performance predicts individual language comprehension. *NeuroImage*, 260, 119449. doi: 10.1016/j.neuroimage.2022.119449 .
512. **Werwach, A., Männel, C., Obrig, H., Friederici, A.D. & Schaadt, G.** (2022). Longitudinal trajectories of electrophysiological mismatch responses in infant speech discrimination differ across speech features. *Developmental Cognitive Neuroscience*, 56: 101127. doi: 10.1016/j.dcn.2022.101127

2021

511. **Chen, L., Goucha, T., Männel, C., Friederici, A.D. & Zaccarella, E.** (2021). Hierarchical syntactic processing is beyond mere associating: fMRI evidence from a novel artificial grammar. *Human Brain Mapping*, 42(10), 3253–3268. doi: 10.1002/hbm.25432
510. **Chien, P.-J., Friederici, A.D., Hartwigsen, G. & Sammler, D.** (2021). Intonation processing increases task-specific fronto-temporal connectivity in tonal language speakers. *Human Brain Mapping*, 42, 161–174. doi: 10.1002/hbm.25214
509. **Graessner, A., Zaccarella, E., Friederici, A.D., Obrig, H. & Hartwigsen, G.** (2021). Dissociable contributions of frontal and temporal brain regions to basic semantic composition. *Brain Communications*, 3(2), fcab090. doi: 10.1093/braincomms/fcab090.
508. **Kuhl, U., Sobotta, S., Legascreen Consortium*, & Skeide, M.A.** (2021). Mathematical learning deficits originate in early childhood from atypical development of a frontoparietal brain network. *PLoS Biology*, 19(9): e3001407. doi: 10.1371/journal.pbio.3001407 (*Friederici, A.D. is member of the LEGASCREEN Consortium)

507. Marimon, M., Hofmann, A., Veríssimo, J., Männel, C., Friederici, A.D., Höhle, B. & Wartenburger, I. (2021). Children's learning of non-adjacent dependencies using a web-based computer game setting. *Frontiers in Psychology*, 12:734877. doi: 10.3389/fpsyg.2021.734877
506. Paul, M., Männel, C., van der Kant, A., Mueller, J.L., Höhle, B., Wartenburger, I. & Friederici, A.D. (2021). Gradual development of non-adjacent dependency learning during early childhood. *Developmental Science*, 50:100975. doi: 10.1016/j.dcn.2021.100975
505. Qi, T., Schaad, G. & Friederici, A.D. (2021). Associated functional network development and language abilities in children. *NeuroImage*. doi: 10.1016/j.neuroimage.2021.118452
504. van der Burght, C.L., Friederici, A.D., Goucha, T. & Hartwigsen, G. (2021). Pitch accents differentially establish syntactic and semantic expectations during sentence processing. *Cognition*, 212. doi: 10.1016/j.cognition.2021.104702
503. Wang, P., Knösche, T.R., Chen, L., Brauer, J., Friederici, A.D. & Maess, B. (2021). Functional brain plasticity during L1 training on complex sentences: changes in gamma-band oscillatory activity. *Human Brain Mapping*. doi: 10.1002/hbm.25470
502. Zaccarella, E., Papitto, G. & Friederici, A.D. (2021). Language and action in Broca's area: Computational differentiation and cortical segregation. *Brain and Cognition*, 147: 105651.

2020

501. Balezeau, F., Wilson, B., Gallardo, G., Dick, F., Hopkins, W., Anwander, A., Friederici, A.D., Griffiths, T.D. & Petkov, C.I. (2020). Primate auditory prototype in the evolution of the arcuate fasciculus. *Nature Neuroscience*, 23(5), 611-614. doi: 10.1038/s41593-020-0623-9
500. Chien, P.-J., Friederici, A.D., Hartwigsen, G. & Sammler, D. (2020). Neural correlates of intonation and lexical tone in tonal and non-tonal language speakers. *Human Brain Mapping*, 41(7), 1842-1858.
499. Eichner, C., Paquett, M., Mildner, T., Schlumm, T., Pléh, K., Samuni, L., Crockford, C., Wittig, R.M., Jäger, C., Möller, H.E., Friederici, A.D. & Anwander, A. (2020). Increased sensitivity and signal-to-noise ratio in diffusion-weighted MRI using multi-echo acquisitions. *NeuroImage*, 221:117172. doi: 10.1016/j.neuroimage.2020.117172
498. Enge, A., Friederici, A.D. & Skeide, M.A. (2020). A meta-analysis of fMRI studies of language comprehension in children. *NeuroImage*, 215: 116858. doi: 10.1016/j.neuroimage.2020.116858.
497. Ekerdt, C.E.M., Kühn, C., Anwander, A., Brauer, J. & Friederici, A.D. (2020). Word learning reveals white matter plasticity in preschool children. *Brain Structure and Function*, 225(2), 607-619.
496. Finkl, T., Hahne, A., Friederici, A.D., Gerber, J., Mürbe, D. & Anwander, A. (2020). Language without speech: segregating distinct circuits in the human brain. *Cerebral Cortex*, 30(2), 812-823.

495. Friederici, A.D. (2020).
Hierarchy processing in human neurobiology: How specific is it? *Philosophical Transactions of the Royal Society B*, 375(1789): 20180391. doi: 10.1098/rstb.2018.0391.
494. Friedrich, M., Mölle, M., Friederici, A.D. & Knoesche, T.R. (2020).
Sleep-dependent memory consolidation in infants protects new episodic memories from existing semantic memories. *Nature Communications*, 11(1):1298. doi: 10.1038/s41467-020-14850-8
493. Grosse Wiesmann, C., Friederici, A.D., Steinbeis, N. & Singer, T. (2020).
Two systems for thinking about other's thoughts in the developing brain. *PNAS*, 117(2), 6928-6935.
492. Kuhl, U., Friederici, A.D., LEGASCREEN consortium* & Skeide, M.A. (2020).
Early cortical surface plasticity relates to basic mathematical learning. *NeuroImage*, 204: 116235. doi: 10.1016/j.neuroimage.2019.116235 (*Friederici, A.D. is also a member of the LEGASCREEN Consortium)
491. Kuhl, U., Neef, N., Kraft, I., Schaadt, G., Dörr, L., Brauer, J., Czepezauer, I., Müller, B., Wilcke, A., Kirsten, H., Emmrich, F., Boltze, J., Friederici, A.D. & Skeide, M.A. (2020).
The emergence of dyslexia in the developing brain. *NeuroImage*, 211: 116633. doi: 10.1016/j.neuroimage.2020.116633
490. Liebig, J., LEGASCREEN Consortium, Friederici, A.D. & Neef, N.E. (2020).
Auditory brainstem measures and genotyping boost the prediction of literacy: A longitudinal study on early markers of dyslexia. *Developmental Cognitive Neuroscience*, 46. doi: 10.1016/j.dcn.2020.100869
489. Papitto, G., Friederici, A.D. & Zaccarella, E. (2020).
The topographical organization of motor processing: An ALE meta-analysis on six action domains and the relevance of Broca's region. *NeuroImage*. doi: 10.1016/j.neuroimage.2019.116321
488. Schaadt, G., Paul, M., Muralikrishnan, R., Männel, C. & Friederici, A.D. (2020).
Seven-year-olds recall non-adjacent dependencies after overnight retention. *Neurobiology of Learning and Memory*, 171: 107225.
487. Skeide, M.A., Wehrmann, K., Emami, Z., Kirsten, H., Hartmann, A.M., Rujescu, D. & Legascreen Consortium* (2020).
Neurobiological origins of individual differences in mathematical ability. *PLoS Biology*, 18(10): e3000871. doi: 10.1371/journal.pbio.3000871 (*Friederici, A.D. is member of the LEGASCREEN Consortium)
486. Trettenbrein, P.C., Papitto, G., Friederici, A.D. & Zaccarella, E. (2020).
Functional neuroanatomy of language without speech: An ALE meta-analysis of sign language. *Human Brain Mapping*, 42(3), 699-712. doi: 10.1002/hbm.25254
485. van der Kant, A., Männel, C., Paul, M., Friederici, A.D., Höhle, B. & Wartenburger, I. (2020).
Linguistic and non-linguistic non-adjacent dependency learning in early development. *Developmental Cognitive Neuroscience*, 45: 100819. doi: 10.1016/j.dcn.2020.

484. **Beese, C., Vassileiou, B., Friederici, A.D. & Meyer, L.** (2019).
Age differences in encoding-related alpha power reflect sentence comprehension difficulties. *Frontiers of Aging Neuroscience*, 11:183. doi.org/10.3389/fnagi.2019.00183
483. **Beese, C., Werkle-Bergner, M., Lindenberger, U., Friederici, A.D. & Meyer, L.** (2019).
Adult age differences in the benefit of syntactic and semantic constraints for sentence processing. *Psychology and Aging*, 34(1), 43-55.
482. **Cafiero, R., Brauer, J., Anwander, A. & Friederici, A.D.** (2019).
The concurrence of cortical surface area expansion and white matter myelination in human brain development. *Cerebral Cortex*, 29(2), 827-837.
481. **Friedrich, M., Mölle, M., Friederici, A.D. & Born, J.** (2019).
The reciprocal relation between sleep and memory in infancy: Memory-dependent adjustment of sleep spindles and spindle-dependent improvement of memories. *Developmental Science*, 22(2): e12743. doi: 10.1111/desc.12743
480. **Hahn, G., Skeide, M., Mantini, D., Ganzetti, M., Destexhe, A., Friederici, A.D. & Deco, G.** (2019).
A new computational approach to estimate whole-brain effective connectivity from functional and structural MRI, applied to language development. *Scientific Reports*, 9: 8479. doi: 10.1038/s41598-019-44909-6
479. **Jeon, H.-A., Kuhl, U. & Friederici, A.D.** (2019).
Mathematical expertise modulates the architecture of dorsal and cortico-thalamic white matter tracts. *Scientific Reports*, 9:6825. doi: 10.1038/s41598-019-43400-6
478. **Kroczek, L.O.H., Gunter, T.C., Rysop, A.U., Friederici, A.D. & Hartwigsen, G.** (2019).
Contributions of left frontal and temporal cortex to sentence comprehension: Evidence from simultaneous TMS-EEG. *Cortex*, 115, 86-98.
477. **Mamashli, F., Khan, S., Obleser, J., Friederici, A.D. & Maess, B.** (2019).
Oscillatory dynamics of cortical functional connections in semantic prediction. *Human Brain Mapping*, 40(6), 1856-1866.
476. **Mueller, J.L., Friederici, A.D. & Männel, C.** (2019).
Developmental changes in automatic rule-learning mechanisms across early childhood. *Developmental Science*, 22(1), e12700. doi: 10.1111/desc.12700
475. **Qi, T., Schaadt, G., Cafiero, R., Skeide, M.A., Brauer, J. & Friederici, A.D.** (2019).
The emergence of long-range language network structural covariance and language abilities. *NeuroImage*, 191, 36-48.
474. **Qi, T., Schaadt, G. & Friederici, A.D.** (2019).
Cortical thickness lateralization and its relation to language abilities in children. *Developmental Cognitive Neuroscience*, 39:100704. doi: 10.1016/j.dcn.2019.100704
473. **Regel, S., Opitz, A., Müller, G. & Friederici, A.D.** (2019).
Processing inflectional morphology: ERP evidence for decomposition of complex words according to the affix structure. *Cortex*, 116, 143-153.

472. Strotseva-Feinschmidt, A., Schipke, C.S., Gunter, T.C., Brauer, J. & Friederici, A.D. (2019). Young children's sentence comprehension: Neural correlates of syntax-semantic competition. *Brain and Cognition*, 116, 143-153.
471. van der Burght, C.L., Goucha, T., Friederici, A.D., Kreitewolf, J. & Hartwigsen, G. (2019). Intonation guides sentence processing in the left inferior frontal gyrus. *Cortex*, 117, 122-134.
470. Wu, C.-Y., Zaccarella, E. & Friederici, A.D. (2019). Universal neural basis of structure building evidenced by network modulations emerging from Broca's area: The case of Chinese. *Human Brain Mapping*, 40(6), 1705-1717.

2018

469. Cheung, V.K.M., Meyer, L., Friederici, A.D. & Koelsch, S. (2018). The right inferior frontal gyrus processes nested non-local dependencies in music. *Scientific Reports*, 8: 3822. doi:10.1038/s41598-018-22144-9
468. Friederici, A.D. (2018). The neural basis for human syntax: Broca's area and beyond. *Current Opinion in Behavioral Sciences*, 21, 88-92.
467. Grosse Wiesmann, C., Friederici, A.D., Disla, D., Steinbeis, N. & Singer, T. (2018). Longitudinal evidence for 4-year-olds' but not 2- and 3-year-olds' false belief-related action anticipation. *Cognitive Development*, 46, 58-68.
466. Müller, B., Boltze, J., Czepezauer, I., Hesse, V., LEGASCREEN Consortium*, Wilcke, A. & Kirsten, H. (2018). Dyslexia risk variant rs600753 is linked with dyslexia-specific differential allelic expression of DYX1C1. *Genetics and Molecular Biology*, 41(1), 41-49. (*Friederici, A.D. is member of the LEGASCREEN Consortium)
465. Neef, N.E., Anwander, A., Bütfering, C., Schmidt-Samoa, C., Friederici, A.D., Paulus, W. & Sommer, M. (2018). Structural connectivity of right frontal hyperactive areas scales with stuttering severity. *Brain*, 141(1), 191-204.
464. Sammler, D., Cunitz, K., Gierhan, S.M.E., Anwander, A., Adermann, J., Meixensberger, J. & Friederici, A.D. (2018). White matter pathways for prosodic structure building: A case study. *Brain and Language*, 183, 1-10.
463. Skeide, M.A., Bazin, P.-L., Trampel, R., Schäfer, A., Männel, C., von Kriegstein, K. & Friederici, A.D. (2018). Hypermyelination of the left auditory cortex in developmental dyslexia. *Neurology*, 90(6), e492-e497.
462. Vassileiou, B., Meyer, L., Beese, C. & Friederici, A.D. (2018). Alignment of alpha-band desynchronization with syntactic structure predicts successful sentence comprehension. *NeuroImage*, 175, 286-296.
461. Vavatzanidis, N., Mürbe, D., Friederici, A.D. & Hahne, A. (2018). Establishing a mental lexicon with cochlear implants: an ERP study with young children. *Scientific Reports*, 8: 910. doi:10.1038/s41598-017-18852-3.

460. Winkler, M., Mueller, J.L., Friederici, A.D. & Männel, C. (2018). Infant cognition includes the potentially human-unique ability to encode embedding. *Science Advances*, 4(11): eaar8334. doi: 10.1126/sciadv.aar8334.

2017

459. Beese, C., Meyer, L., Vassileiou, B. & Friederici, A.D. (2017). Temporally and spatially distinct theta oscillations dissociate a language-specific from a domain-general processing mechanism across the age trajectory. *Scientific Reports*, 7:11202. doi:10.1038/s41598-017-11632-z
458. Bonhage, C.E., Meyer, L., Gruber, T., Friederici, A.D. & Mueller, J.L. (2017). Oscillatory EEG dynamics underlying automatic chunking during sentence processing. *NeuroImage*, 152, 647-657.
457. Friederici, A.D. (2017). Evolution of the neural language network. *Psychonomic Bulletin and Review*, 24(1), 41-47.
456. Friederici, A.D. (2017). Neurobiology of syntax as the core of human language. *Biolinguistics*, 11, S1: 325-337.
455. Friederici, A.D., Chomsky, N., Berwick, R.C., Moro, A., & Bolhuis, J.J. (2017). Language, mind and brain. *Nature Human Behaviour*, 1, 713-722.
454. Friedrich, M. & Friederici, A.D. (2017). The origins of word learning: Brain responses of 3-month-olds indicate their rapid association of objects and words. *Developmental Science*, 20(2): e12357. doi: 10.1111/desc.12357
453. Friedrich, M., Wilhelm, I., Mölle, M., Born, J. & Friederici, A.D. (2017). The sleeping infant brain anticipates development. *Current Biology*, 27(15), 2374–2380.
452. Goucha, T., Zaccarella, E. & Friederici, A.D. (2017). A revival of the *Homo loquens* as a builder of labeled structures: neurocognitive considerations. *Neuroscience & Biobehavioral Reviews*, 81(Part B), 213-224.
451. Grosse Wiesmann, C., Friederici, A.D., Singer, T. & Steinbeis, N. (2017). Implicit and explicit false belief development in preschool children. *Developmental Science*, 20(5): e12445. doi: 10.1111/desc.12445
450. Grosse Wiesmann, C., Schreiber, J., Singer, T. Steinbeis, N. & Friederici, A.D. (2017). White matter maturation is associated with the emergence of Theory of Mind in early childhood. *Nature Communications*, 8:14692. doi: 10.1038/ncomms14692.
449. Jeon, H.-A. & Friederici, A.D. (2017). What does "being an expert" mean to the brain? Functional specificity and connectivity in expertise. *Cerebral Cortex*, 27(12), 5603-5615.
448. Kuhnke, P., Meyer, L., Friederici, A.D. & Hartwigsen, G. (2017). Left posterior inferior frontal gyrus is causally involved in reordering during sentence processing. *NeuroImage*, 148, 254-263.
447. Männel, C., Schaadt, G., Illner, F.K., van der Meer, E. & Friederici, A.D. (2017). Phonological abilities in literacy-impaired children: Brain potentials reveal deficient phoneme discrimination, but intact prosodic processing. *Developmental Cognitive Neuroscience*, 23, 14-25.

446. Meyer, L., Henry, M.J., Gaston, P., Schmuck, N. & Friederici, A.D. (2017). Linguistic bias modulates interpretation of speech via neural delta-band oscillations. *Cerebral Cortex*, 27(9), 4293-4302.
445. Müller, B., Schaadt, G., Boltze, J., Emmrich, F., LEGASCREEN Consortium, Skeide, M.A., Neef, N., Kraft, I., Brauer, J., Friederici, A.D., Kirsten, H. & Wilcke, A. (2017). ATP2C2 and DYX1C1 are putative modulators of dyslexia-related MMR. *Brain and Behavior*, 7(11): e00851. doi: 10.1002/brb3.851
444. Neef, N.E., Anwander, A. & Friederici, A.D. (2017). The dorsal pathways: A comment on Kronfeld-Duenias et al. *Cortex*, 90, 166-168.
443. Neef, N.E., Müller, B., Liebig, J., Schaadt, G., Grigutsch, M., Gunter, T.C., Wilcke, A., Kirsten, H., Skeide, M.A., Kraft, I., Kraus, N., Emmrich, F., Brauer, J., Boltze, J. & Friederici, A.D. (2017). Dyslexia risk gene relates to representation of sound in the auditory brainstem. *Developmental Cognitive Neuroscience*, 24, 63-71.
442. Neef, N.E., Schaadt, G. & Friederici, A.D. (2017). Auditory brainstem responses to stop consonants predict literacy. *Clinical Neurophysiology*, 128, 484–494.
441. Regel, S., Kotz, S. A., Henseler, I. & Friederici, A. D. (2017). Left inferior frontal gyrus mediates morphosyntax: ERP evidence from verb processing in left-hemisphere damaged patients. *Cortex*, 86, 156–171.
440. Schell, M., Zaccarella, E. & Friederici, A.D. (2017). Differential cortical contribution of syntax and semantics: An fMRI study on two-word phrasal processing. *Cortex*, 96, 105–120.
439. Vissiennon, K., Friederici, A.D., Brauer, J. & Wu, C.-Y. (2017). Functional organization of the language network in three- and six-year-old children. *Neuropsychologia*, 98, 24-33.
438. Zaccarella, E. & Friederici, A.D. (2017). The neurobiological nature of syntactic hierarchies. *Neuroscience & Biobehavioral Reviews*, 81(Part B), 205-212.
437. Zaccarella, E., Meyer, L., Makuuchi, M. & Friederici, A.D. (2017). Building by syntax: The neural basis of minimal linguistic structures. *Cerebral Cortex*, 27(1), 411-421.
436. Zaccarella, E., Schell, M. & Friederici, A.D. (2017). Reviewing the functional basis of the syntactic Merge mechanism for language: A coordinate-based activation likelihood estimation meta-analysis. *Neuroscience and Biobehavioral Reviews*, 80, 646-656.

2016

435. Bianco, R., Novembre, G., Keller, P.E., Friederici, A.D., Villringer, A. & Sammler, D. (2016). Syntax in action beats movement selection in piano playing. *Journal of Cognitive Neuroscience*, 28(1), 41–54.

434. Bianco, R., Novembre, G., Keller, P. E., Kim, S.-G., Scharf, F., Friederici, A. D., Villringer, A., & Sammler, D. (2016). Neural networks for harmonic structure in music perception and action. *NeuroImage*, 142, 454–464.
433. Brauer, J., Xiao, Y., Poulain, T., Friederici, A.D. & Schirmer, A. (2016). Frequency of maternal touch predicts resting activity and connectivity of the developing social brain. *Cerebral Cortex*, 26(8), 3544–3552.
432. Fengler, A., Meyer, L. & Friederici, A.D. (2016). How the brain attunes to sentence processing: Relating behavior, structure, and function. *NeuroImage*, 129, 268–278.
431. Goranskaya, D., Kreitewolf, J., Mueller, J.L., Friederici, A.D. & Hartwigsen, G. (2016). Fronto-parietal contributions to phonological processes in successful artificial grammar learning. *Frontiers in Human Neuroscience*, 10:551. doi: 10.3389/fnhum.2016.00551
430. Kraft, I., Schreiber, J., Cafiero, R., Schaadt, G., Brauer, J., Neef, N., Müller, B., Kirsten, H., Wilcke, A., Boltze, J., Friederici, A.D. & Skeide, M. (2016). Predicting early signs of dyslexia at a preliterate age by combining behavioral assessment with structural MRI. *NeuroImage*, 143, 378–386.
429. Maess, B., Mamashli, F., Obleser, J., Helle, L. & Friederici, A.D. (2016). Prediction signatures in the brain: Semantic pre-activation during language comprehension. *Frontiers in Human Neuroscience*, 10:591. doi: 10.3389/fnhum.2016.00591.
428. Männel, C. & Friederici, A.D. (2016). Neural correlates of prosodic boundary perception in German preschoolers: If pause is present, pitch can go. *Brain Research*, 1632, 27–33.
427. Merrill, J., Bangert, M., Sammler, D. & Friederici, A.D. (2016). Classifying song and speech: Effects of focal temporal lesions and musical disorder. *Neurocase*, 22(6), 496–504.
426. Milne, A.E., Mueller, J.L., Männel, C., Attaheri, A., Friederici, A.D. & Petkov, C.I. (2016). Evolutionary origins of non-adjacent sequence processing in primate brain potentials. *Scientific Reports*, 6: 36259. doi:10.1038/srep36259.
425. Müller, B., Wilcke, A., Czepezauer, I., Ahnert, P., Boltze, J., Kirsten, H. & LEGASCREEN consortium* (2016). Association, characterisation and meta-analysis of SNPs linked to general reading ability in a German dyslexia case-control cohort. *Scientific Reports*, 6, 27901. doi: 10.1038/srep27901 (*Friederici, A.D. is member of the LEGASCREEN Consortium)
424. Neef, N.E., Bütferring, C., Anwander, A., Friederici, A.D., Paulus, W. & Sommer, M. (2016). Left posterior-dorsal area 44 couples with parietal areas to promote speech fluency, while right area 44 activity promotes the stopping of motor responses. *NeuroImage*, 142, 628–644.
423. Schaadt, G., Männel, C., van der Meer, E., Pannekamp, A., & Friederici, A.D. (2016). Facial speech gestures: The relation between visual speech processing, phonological awareness, and developmental dyslexia in 10-year-olds. *Developmental Science*, 19(6), 1020-1034.

422. Skeide, M., Brauer, J. & Friederici, A.D. (2016). Brain functional and structural predictors of language performance. *Cerebral Cortex*, 26(5), 2127–2139.
421. Skeide, M.A. & Friederici, A.D. (2016). The ontogeny of the cortical language network. *Nature Reviews Neuroscience*, 17, 323–332.
420. Skeide, M.A., Kraft, I., Müller, B., Schaadt, G., Neef, N.E., Brauer, J., Wilcke, A., Kirsten, H., Boltze, J. & Friederici, A.D. (2016). NRSN1 associated grey matter volume of the visual word form area reveals dyslexia before school. *Brain*, 139, 2792–2803.
419. Vavatzanidis, N., Mürbe, D., Friederici, Angela D. & Hahne, A. (2016). The perception of stress pattern in young cochlear implanted children: an EEG study. *Frontiers in Neuroscience*, 10:68. doi: 10.3389/fnins.2016.00068.
418. Wilcke, A., Müller, B., Schaadt, G., the LEGASCREEN Consortium*, Kirsten, H., & Bolze, J. (2016). High acceptance of an early dyslexia screening test involving genetic analyses in Germany. *European Journal of Human Genetics*, 24, 178–182. (*Friederici, A.D. is member of the LEGASCREEN Consortium)
417. Wu, C.-Y., Vissiennon, K., Friederici, A.D. & Brauer, J. (2016). Preschoolers' brains rely on semantic cues prior to the mastery of syntax during sentence comprehension. *NeuroImage*, 126, 256–266.
416. Xiao, Y., Brauer, J., Lauckner, M., Zhai, H., Jia, F., Margulies, D.S., & Friederici, A.D. (2016). Development of the intrinsic language network in Chinese preschool children from age 3 to 5 years. *PLoS ONE*, 11(11): e0165802. doi:10.1371/journal.pone.0165802
415. Xiao, Y., Friederici, A. D., Margulies, D.S. & Brauer, J. (2016). Development of a selective left-hemispheric fronto-temporal network for processing syntactic complexity in language comprehension. *Neuropsychologia*, 83, 274–282.
414. Xiao, Y., Friederici, A.D., Margulies, D. & Brauer, J. (2016). Longitudinal changes in resting-state fMRI from age 5 to age 6 years covary with language development. *NeuroImage*, 128, 116–124.
413. Xiao, Y., Zhai, H., Friederici, A.D. & Jia, F. (2016). The development of the intrinsic functional connectivity of default network subsystems from age 3 to 5. *Brain Imaging and Behavior*, 10(1), 50–59.

2015

412. Bonhage, C.E., Mueller, J.L., Friederici, A.D. & Fiebach, C. (2015). Combined eye tracking and fMRI reveals neural basis of linguistic predictions during sentence comprehension. *Cortex*, 68, 33-47.
411. Fengler, A., Meyer, L. & Friederici, A.D. (2015). Brain structural correlates of complex sentence comprehension in children. *Developmental Cognitive Neuroscience*, 15, 48-57.

410. Friederici, A.D. & Singer, W. (2015).
 Grounding language processing on basic neurophysiological principles. *Trends in Cognitive Sciences*, 19(6), 329-338.
409. Friedrich, M., Wilhelm, I., Born, J., & Friederici, A.D. (2015).
 Generalization of word meanings during infant sleep. *Nature Communications*, 6: 6004. doi:10.1038/ncomms7004
408. Goucha, T.B. & Friederici, A.D. (2015).
 The language skeleton after dissecting meaning: a functional segregation within Broca's area. *NeuroImage*, 114(6), 294-302.
407. Jeon, H.-A. & Friederici, A.D. (2015).
 Degree of automaticity and the prefrontal cortex. *Trends in Cognitive Sciences*, 19(5), 244-250.
406. Kraft, I., Cafiero, R., Schaadt, G., Brauer, J., Neef, N., Müller, B., Kirsten, H., Wilcke, A., Boltze, J., Friederici, A. D., & Skeide, M. A. (2015).
 Cortical differences in preliterate children at familiar risk of dyslexia are similar to those observed in dyslexic readers. *Brain*, 138(9):e378. doi:10.1093/brain/awv036
405. Männel, C., Meyer, L., Wilcke, A., Boltze, J., Kirsten, H. & Friederici, A.D. (2015).
 Working-memory endophenotype and dyslexia associated genetic variant predict dyslexia phenotype. *Cortex*, 71, 291-305.
404. Meyer, L., Grigutsch, M., Schmuck, N., Gaston, P. & Friederici, A.D. (2015).
 Frontal-posterior theta oscillations reflect memory retrieval during sentence comprehension. *Cortex*, 71, 205-218.
403. Neef, N., Anwander, A., & Friederici, A.D. (2015).
 The neurobiological grounding of persistent stuttering: From structure to function. *Current Neurology and Neuroscience Reports*, 15(9):63. doi:10.1007/s11910-015-0579-4.
402. Regel, S., Opitz, A., Müller, G. & Friederici, A.D. (2015).
 The past tense debate revisited: Electrophysiological evidence for subregularities of irregular verb inflection. *Journal of Cognitive Neuroscience*, 27(9), 1870-1885.
401. Santi, A., Friederici, A.D., Makuuchi, M. & Grodzinsky, Y. (2015).
 An fMRI study dissociating distance measures computed by Broca's area in movement processing: clause boundary vs. identity. *Frontiers in Psychology*, 6:654. doi: 10.3389/fpsyg.2015.00654.
400. Schaadt, G., Hesse, V. & Friederici, A.D. (2015).
 Sex hormones in early infancy seem to predict aspects of later language development. *Brain and Language*, 141, 70-76.
399. Schaadt, G., Männel, C., van der Meer, E., Pannekamp, A., Oberecker, R. & Friederici, A.D. (2015).
 Present and past: Can writing abilities in school children be associated with their auditory discrimination capacities in infancy? *Research in Developmental Disabilities*, 47, 318-333.
398. Skeide, M.A. & Friederici, A.D. (2015).
 Response to Bornkessel-Schlesewsky et al. – towards a nonhuman primate model of language? *Trends in Cognitive Sciences*, 19(9), 483.

397. Skeide, M.A., Kirsten, H., Kraft, I., Schaad, G., Müller, B., Neef, N., Brauer, J., Wilcke, A., Emmrich, F., Boltze, J. & Friederici, A.D. (2015). Genetic dyslexia risk variant is related to neural connectivity patterns underlying phonological awareness in children. *NeuroImage*, 118, 414-421.
396. Strotseva-Feinschmidt, A., Cunitz, K., Friederici, A.D. & Gunter, T. (2015). Auditory discrimination between function words in children and adults: a mismatch negativity study. *Frontiers in Psychology*, 6:1930. doi: 10.3389/fpsyg.2015.01930
395. Vavatzanidis, N., Mürbe, D., Friederici, A.D. & Hahne, A. (2015). The basis for language acquisition: Congenitally deaf infants discriminate vowel length in the first months after cochlear implantation. *Journal of Cognitive Neuroscience*, 27(12), 2427-2441.
394. Zaccarella, E. & Friederici, A.D. (2015). Merge in the human brain: a sub-region based functional investigation in the left pars opercularis. *Frontiers in Psychology*, 6:1818. doi: 10.3389/fpsyg.2015.01818.
393. Zaccarella, E. & Friederici, A.D. (2015). Reflections of word processing in the insular cortex: A sub-regional parcellation based functional assessment. *Brain and Language*, 142, 1-7.
392. Zilles, K., Bacha-Trams, M., Palomero-Gallagher, N., Amunts, K. & Friederici, A.D. (2015). Common molecular basis of the sentence comprehension network revealed by neurotransmitter receptor fingerprints. *Cortex*, 63, 79-89.

2014

391. Jentschke, S., Friederici, A.D. & Koelsch, S. (2014). Neural correlates of music-syntactic processing in two-year old children. *Developmental Cognitive Neuroscience*, 9, 200-208.
390. Jeon, H.-A., Anwander, A. & Friederici, A.D. (2014). Functional network mirrored in the prefrontal cortex, caudate nucleus, and thalamus: high resolution functional imaging and structural connectivity. *Journal of Neuroscience*, 34(28), 9202–9212.
389. Kreitewolf, J., Friederici, A.D. & von Kriegstein, K. (2014). Hemispheric lateralization of linguistic prosody recognition in comparison to speech and speaker recognition. *NeuroImage*, 102, 332-344.
388. Meyer, L., Cunitz, K., Obleser, J. & Friederici, A.D. (2014). Sentence processing and verbal working memory in a white-matter disconnection patient. *Neuropsychologia*, 61, 190-196.
387. Nakamura, A., Maess, B., Knösche, T.R. & Friederici, A.D. (2014). Different hemispheric roles in recognition of happy expressions. *PLoS ONE*, 9(2): e88628. doi:10.1371/journal.pone.0088628
386. Ruschel, M., Knösche, T.R., Friederici, A.D., Turner, R., Geyer, S. & Anwander, A. (2014). Connectivity architecture and subdivision of the human inferior parietal cortex revealed by diffusion MRI. *Cerebral Cortex*, 24(9), 2436-2448.

385. Skeide, M.A., Brauer, J. & Friederici, A.D. (2014). Syntax gradually segregates from semantics in the developing brain. *NeuroImage*, 100, 106-111.
384. Steinmann, S., Leicht, G., Ertl, M., Andreou, C., Polomac, N., Westerhausen, R., Friederici, A.D. & Mulert, C. (2014). Conscious auditory perception related to long-range synchrony of gamma oscillations. *NeuroImage*, 100, 435-443.

2013

383. Antonenko, D., Brauer, J., Meinzer, M., Fengler, A., Kerti, L., Friederici, A.D. & Flöel, A. (2013). Functional and structural syntax networks in aging. *NeuroImage*, 83, 513-523.
382. Berwick, R.C., Friederici, A.D., Chomsky, N., & Bolhuis, J.J. (2013). Evolution, brain and the nature of language. *Trends in Cognitive Sciences*, 17, 89-98.
381. Brauer, J., Anwander, A., Perani, D. & Friederici, A.D. (2013). Dorsal and ventral pathways in language development. *Brain and Language*, 127(2), 289-295.
380. Friederici, A.D. & Gierhan, S.M.E. (2013). The language network. *Current Opinion in Neurobiology*, 23(2), 250-254.
379. Friederici, A.D., Mueller, J.L., Sehm, B. & Ragert, P. (2013). Language learning without control: The role of the PFC. *Journal of Cognitive Neuroscience*, 25(5), 814-821.
378. Friedrich, R. & Friederici, A.D. (2013). Mathematical logic in the human brain: Semantics. *PLoS ONE* 8(1): e53699.
377. Fritz, T.H., Schmude, P., Jentschke, S., Friederici, A.D., & Koelsch, S. (2013). From understanding to appreciating music cross-culturally. *PLoS ONE*, 8(9): e72500. doi:10.1371/journal.pone.0072500.
376. Grossmann, T., Vaish, A., Franz, J., Schroeder, R., Stoneking, M. & Friederici, A.D. (2013). Emotional voice processing: Investigating the role of genetic variation in the serotonin transporter across development. *PLoS ONE*, 8(7): e68377.
375. Jeon, H.-A. & Friederici, A.D. (2013). Two principles of organization in the prefrontal cortex are cognitive hierarchy and degree of automaticity. *Nature Communications*, 4:2041. doi:10.1038/ncomms3041
374. Keitel, A., Prinz, W., Friederici, A.D., von Hofsten, C. & Daum, M.M. (2013). Perception of conversations: The importance of semantics and intonation in children's development. *Journal of Experimental Child Psychology*, 116(2), 264-277.
373. Kotz, S.A., Kalberlah, C., Bahlmann, J., Friederici, A.D. & Haynes, J.-D. (2013). Predicting vocal emotion expressions from the human brain. *Human Brain Mapping*, 34(8), 1971-1981.
372. Kroenke, K.-M., Müller, K., Friederici, A.D. & Obrig, H. (2013). Learning by doing? The effect of gestures of implicit retrieval of newly acquired words. *Cortex*, 49, 2553-2568.

371. **Makuuchi, M. & Friederici, A.D.** (2013). Hierarchical functional connectivity between the core language system and the working memory system. *Cortex*, 49(9), 2416-2423.
370. **Makuuchi, M., Grodzinsky, Y., Amunts, K., Santi, A. & Friederici, A.D.** (2013). Processing non-canonical sentences in Broca's region: Reflections of movement distance and type. *Cerebral Cortex*, 23(3), 694-702.
369. **Männel, C. & Friederici, A.D.** (2013). Accentuate or repeat? Brain signatures of developmental periods in infant word recognition. *Cortex*, 49(10), 2788-2798.
368. **Männel, C., Schipke, C. & Friederici, A.D.** (2013). The role of pause as prosodic boundary marker: Language ERP studies in German 3- and 6-year-olds. *Developmental Cognitive Neuroscience*, 5, 86-94.
367. **Meyer, L., Obleser, J. & Friederici, A.D.** (2013). Left parietal alpha enhancement during working memory-intensive sentence processing. *Cortex*, 49, 711-721.
366. **Nan, Y. & Friederici, A.D.** (2013). Differential roles of right temporal cortex and Broca's area in pitch processing: Evidence from music and Mandarin. *Human Brain Mapping*, 34(9), 2045-2054.
365. **Opitz, A., Regel, S., Müller, G. & Friederici, A.D.** (2013). Neurophysiological evidence for morphological underspecification in German strong adjective inflection. *Language*, 89(2), 231-264.
364. **Ruhnau, P., Herrmann, B., Maess, B., Brauer, J., Friederici, A.D. & Schröger, E.** (2013). Processing of complex distracting sounds in school-aged children and adults: Evidence from EEG and MEG data. *Frontiers in Psychology*, 4:717. doi: 10.3389/fpsyg.2013.00717.
363. **Sammler, D., Koelsch, S., Ball, T., Brandt, A., Grigutsch, M., Huppertz, H.-J., Knösche, T.R., Wellmer, J., Widman, G., Elger, C.E., Friederici, A.D. & Schulze-Bonhage, A.** (2013). Co-localizing linguistic and musical syntax with intracranial recordings. *NeuroImage*, 64, 134-146.
362. **Scharff, C., Friederici, A.D. & Petrides, M.** (2013) (Editorial). Neurobiology of human language and its evolution: primate and non-primate perspectives. *Frontiers in Evolutionary Neuroscience*, 5:1. doi: 10.3389/fnevo.2013.00001

2012

361. **Attal, Y., Maess, B., Friederici, A.D. & David, O.** (2012). Head models and dynamic causal modeling of subcortical activity using magnetoencephalographic/electroencephalographic data. *Review in the Neurosciences*, 23, 85-95.
360. **Bahlmann, J., Korb, F.M., Gratton, C. & Friederici, A.D.** (2012). Levels of integration in cognitive control and sequence processing in the prefrontal cortex. *PLoS ONE*, 7(8): e43774.
359. **Fitch, W.T. & Friederici, A.D.** (2012). Artificial grammar learning meets formal language theory: an overview. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences*, 367, 1933-1955.

358. **Fitch, W.T., Friederici, A.D. &agoort, P.** (2012).
 Pattern perception and computational complexity: introduction to the special issue.
Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences, 367, 1925-1932.
357. **Friederici, A.D.** (2012).
 Language development and the ontogeny of the dorsal pathway. *Frontiers in Evolutionary Neuroscience*, 4:3. DOI: 10.3389/fnevo.2012.00003
356. **Friederici, A.D.** (2012).
 The cortical language circuit: From auditory perception to sentence comprehension.
Trends in Cognitive Sciences, 16, 262-268.
355. **Friederici, A.D., Oberecker, R. & Brauer, J.** (2012).
 Neurophysiological preconditions of syntax acquisition. *Psychological Research*, 76, 204-211.
354. **Grossmann, T. & Friederici, A.D.** (2012).
 When during development do our brains get tuned to the human voice? *Social Neuroscience*, 7, 369-372.
353. **Grossmann, T., Missana, M., Friederici, A.D., Ghazanfar, A.A.** (2012).
 Neural correlates of perceptual narrowing in cross-species face-voice matching.
Developmental Science, 15, 830-839.
352. **Hahne, A., Wolf, A., Müller, J., Mürbe, D. & Friederici, A.D.** (2012).
 Sentence comprehension in proficient adult cochlear implant users: On the vulnerability of syntax. *Language and Cognitive Processes*, 27, 1192-1204.
351. **Herrmann, B., Maess, B., Kalberlah, C., Haynes, J.-D. & Friederici, A.D.** (2012). Auditory perception and syntactic cognition: Brain activity-based decoding within and across subjects. *European Journal of Neuroscience*, 35, 1488-1496.
350. **Herrmann, B., Obleser, J., Kalberlah, C., Haynes, J.-D. & Friederici, A.D.** (2012).
 Dissociable neural imprints of perception and grammar in auditory functional imaging.
Human Brain Mapping, 33, 584-595.
349. **Holle, H., Obermeier, C., Schmidt-Kassow, M., Friederici, A.D., Ward, J. & Gunter, T.C.** (2012).
 Gesture facilitates the syntactic analysis of speech. *Frontiers in Psychology*, 3:74. DOI: 10.3389/fpsyg.2012.00074
348. **Knoll, L.J., Obleser, J., Schipke, C.S., Friederici, A.D. & Brauer, J.** (2012).
 Left prefrontal cortex activation during sentence comprehension covaries with grammatical knowledge in children. *NeuroImage*, 62, 207-216.
347. **Makuuchi, M., Bahlmann, J. & Friederici, A.D.** (2012).
 An approach to separating the levels of hierarchical structure building in language and mathematics. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences*, 367, 2033-2045.
346. **Merrill, J., Sammler, D., Bangert, M., Goldhahn, D., Lohmann, G., Turner, R. & Friederici, A.D.** (2012).
 Perception of words and pitch patterns in song and speech. *Frontiers in Psychology*, 3:76. DOI: 10.3389/fpsyg.2012.00076

345. **Mestres-Missé, A., Turner, R. & Friederici, A.D.** (2012).
An anterior-posterior gradient of cognitive control within the dorsomedial striatum. *NeuroImage*, 62, 41-47.
344. **Meyer, L., Obleser, J., Anwander, A. & Friederici, A.D.** (2012).
Linking ordering in Broca's area to storage in left temporo-parietal regions: The case of sentence processing. *NeuroImage*, 62, 1987-1998.
343. **Meyer, L., Obleser, J., Kiebel, S.J. & Friederici, A.D.** (2012).
Spatiotemporal dynamics of argument retrieval and reordering: an fMRI and EEG study on sentence processing. *Frontiers in Psychology*, 3:523. DOI: 10.3389/fpsyg.2012.00523
342. **Mueller, J.L., Friederici, A.D. & Männel, C.** (2012).
Auditory perception at the root of language learning. *Proceedings of the National Academy of Sciences of the United States of America*, 109, 15953-15958.
341. **Schipke, C.S., Knoll, L.J., Friederici, A.D. & Oberecker, R.** (2012).
Preschool children's interpretation of object-initial sentences: Neural correlates of their behavioral performance. *Developmental Science*, 15, 762-774.

2011

340. **Bahlmann, J., Mueller, J.L., Makuchi, M. & Friederici, A.D.** (2011).
Perisylvian functional connectivity during processing of sentential negation. *Frontiers in Psychology*, 2:104. DOI 10.3389/fpsyg.2011.00104.
339. **Barry, J., Brauer, J., Sabisch, B. & Friederici, A.D.** (2011).
Encoding: The keystone to efficient functioning of verbal short-term memory. *Neuropsychologia*, 49, 3636-3647.
338. **Brauer, J., Anwander, A. & Friederici, A.D.** (2011).
Neuroanatomical prerequisites for language functions in the maturing brain. *Cerebral Cortex*, 21, 459-466.
337. **Citron, F.M.M., Oberecker, R., Friederici, A.D. & Mueller, J.L.** (2011).
Mass counts: ERP correlates of non-adjacent dependency learning under different exposure conditions. *Neuroscience Letters*, 487(3), 282-286.
336. **David, O., Maess, B., Eckstein, K. & Friederici, A.D.** (2011).
Dynamic causal modeling of subcortical connectivity of language. *Journal of Neuroscience*, 31, 2712-2717.
335. **Friederici, A.D.** (2011).
The brain basis of language processing: From structure to function. *Physiological Reviews*, 91, 1357-1392.
334. **Friederici, A.D., Bahlmann, J., Friedrich, R. & Makuchi, M.** (2011).
The neural basis of recursion. *Biolinguistics*, 5(1-2), 87-104.
333. **Friederici, A.D., Brauer, J. & Lohmann, G.** (2011).
Maturation of the language network: From inter- to intrahemispheric connectivities. *PLoS ONE*, 6(6): e20726.

332. Friederici, A.D., Mueller, J.L., Oberecker, R. (2011).
 Precursors to natural grammar learning: preliminary evidence from 4-month-old infants.
PLoS ONE, 6(3): e17920.
331. Friedrich, M. & Friederici, A.D. (2011).
 Word learning in 6-month-olds: Fast encoding – weak retention. *Journal of Cognitive Neuroscience*, 23, 3228-3240.
330. Grossmann, T., Johnson, M.H., Vaish, A., Hughes, D.A., Quinque, D., Stoneking, M. & Friederici, A.D. (2011).
 Genetic and neural dissociation of individual responses to emotional expressions in human infants. *Developmental Cognitive Neuroscience*, 1, 57-66.
329. Han, S., Mao, L., Quin, J., Friederici, A.D. & Ge, J. (2011).
 Functional roles and cultural modulations of the medial prefrontal and parietal activity associated with causal attribution. *Neuropsychologia*, 49, 83-91.
328. Herrmann, B., Maess, B. & Friederici, A.D. (2011).
 Violation of syntax and prosody – Disentangling their contributions to the early left anterior negativity (ELAN). *Neuroscience Letters*, 490, 116-120.
327. Herrmann, B., Maess, B., Hahne, A., Schröger, E. & Friederici, A.D. (2011).
 Syntactic and auditory spatial processing in the human temporal cortex: An MEG study. *NeuroImage*, 57, 624-633.
326. Hirotani, M., Makuuchi, M., Rüschemeyer, S.-A. & Friederici, A.D. (2011).
 Who was the agent? The neural correlates of reanalysis processes during sentence comprehension. *Human Brain Mapping*, 32, 1775-1787.
325. Macedonia, M., Müller, K. & Friederici, A.D. (2011).
 The impact of iconic gestures on foreign language word learning and its neural substrate. *Human Brain Mapping*, 32(6), 982-998. DOI: 10.1002/hbm.21084
324. Männel, C. & Friederici, A.D. (2011).
 Intonational phrase structure processing and syntactic knowledge in childhood: ERP studies in 2-, 3-, and 6-year-old children. *Developmental Science*, 14(4), 786-798.
323. Obleser, J., Meyer, L. & Friederici, A.D. (2011).
 Dynamic assignment of neural resources in auditory comprehension of complex sentences. *NeuroImage*, 56, 2310-2320.
322. Parise, E., Handl, A., Palumbo, L. & Friederici, A.D. (2011).
 Influence of eye gaze on word processing: an ERP study with infants. *Child Development*, 82, 842-853.
321. Perani, D., Saccuman, M.C., Scifo, P., Anwander, A., Spada, D., Baldoli, C., Poloniato, A., Lohmann, G. & Friederici, A.D. (2011).
 The neural language networks at birth. *PNAS*, 108, 16056-16061.
320. Regel, S., Gunter, T.C. & Friederici, A.D. (2011).
 Isn't it ironic? An electrophysiological exploration of figurative language processing. *Journal of Cognitive Neuroscience*, 23, 277-293.

319. **Sammel, D., Koelsch, S. & Friederici, A.D.** (2011).
Are left fronto-temporal brain areas a prerequisite for normal music-syntactic processing?
Cortex, 47(6), 659-673.
318. **Schipke, C., Friederici, A.D. & Oberecker, R.** (2011).
Brain responses to case-marking violations in German preschool children. *NeuroReport*, 22, 850-854.
317. **Schulze, K., Zysset, S., Müller, K., Friederici, A.D. & Koelsch, S.** (2011).
Neuroarchitecture of verbal and tonal working memory in nonmusicians and musicians.
Human Brain Mapping, 32(5), 771-783.

2010

316. **Addis, L., Friederici, A.D., Kotz, S.A., Sabisch, B., & Barry, J., Pääbo, S., Newbury, D.F. & Monaco, A.P.** (2010).
A locus for an auditory processing deficit and language impairment in an extended pedigree maps to 12p13.31-q14.3. *Genes, Brain and Behavior*, 9, 545-561.
315. **Amunts, K., Lenzen, M., Friederici, A.D., Schleicher, A., Morosan, P., Palomero-Gallagher, N. & Zilles, K.** (2010).
Broca's Region: Novel organizational principles and multiple receptor mapping. *PLoS Biology*, 8, e100489.
314. **Friederici, A.D.** (2010).
Passt das Verb zum Nomen? Wie der Mensch Sprache versteht. *Forschung & Lehre*, 6, 398-399.
313. **Friederici, A.D., Kotz, S.A., Scott, S.K. & Obleser, J.** (2010).
Disentangling syntax and intelligibility in auditory language comprehension. *Human Brain Mapping*, 31, 448-457.
312. **Friederici, A.D. & Wartenburger, I.** (2010).
Language and Brain. (Overview) *Wiley Interdisciplinary Reviews: Cognitive Science*. Online publication: DOI: 10.1002/WCS.9
311. **Friedrich, M. & Friederici, A.D.** (2010).
Maturing brain mechanisms and developing behavioral language skills. *Brain and Language*, 114, 66-71.
310. **Grossmann, T., Oberecker, R., Koch, S.P. & Friederici, A.D.** (2010).
The developmental origins of voice processing in the human brain. *Neuron*, 65, 852-858.
309. **Grossmann, T., Parise, E. & Friederici, A.D.** (2010).
The detection of communicative signals directed at the self in infant prefrontal cortex. *Frontiers in Human Neuroscience*, 4:201. DOI: 10.3389/fnhum.2010.00201
308. **Hoehl, S., Brauer, J., Brasse, G., Striano, T., & Friederici, A.D.** (2010).
Children's processing of emotions expressed by peers and adults: An fMRI study. *Social Neuroscience*, 5, 543-559.
307. **Lohmann, G., Hoehl, S., Brauer, J., Danielmeier, C., Bornkessel-Schlesewsky, I., Bahlmann, J., Turner, R., & Friederici, A.D.** (2010).
Setting the frame: the human brain activates a basic low-frequency network for language processing. *Cerebral Cortex*, 20, 1286-1292.

306. Macedonia, M., Müller, K. & Friederici, A.D. (2010). Neural correlates of high performance in foreign language vocabulary learning. *Mind, Brain, and Education*, 4, 125-134.
305. Meyer, P., Mecklinger, A. & Friederici, A.D. (2010). On the processing of semantic aspects of experience in the anterior medial temporal lobe. An event-related fMRI study. *Journal of Cognitive Neuroscience*, 22, 590-601.
304. Mueller, J.L., Bahlmann, J. & Friederici, A.D. (2010). Learnability of embedded syntactic structures depends on prosodic cues. *Cognitive Science*, 34, 338-349.
303. Parise, E., Friederici, A.D. & Striano, T. (2010). "Did you call me?" 5-month-old infants own name guides their attention. *PLoS ONE*, 5(12): e14208.
302. Raettig, T., Frisch, S., Friederici, A.D. & Kotz, S.A. (2010). Neural correlates of morphosyntactic and verb-argument structure processing: an EfMRI study. *Cortex*, 46, 613-620.
301. Rüschemeyer, S.-A., Glenberg, A.M., Kaschak, M.P., Mueller, K. & Friederici, A.D. (2010). Top-down and bottom-up contributions to understanding sentences describing objects in motion. *Frontiers in Cognition*, 1:183. DOI: 10.3389/fpsyg.2010.00183
300. Sammler, D., Kotz, S.A., Eckstein, K., Ott, D. & Friederici, A.D. (2010). Prosody meets syntax: The role of the corpus callosum. *Brain*, 133, 2643-2655.
299. Solano-Castiella, E., Anwander, A., Lohmann, G., Weiss, M., Docherty, C., Geyer, S., Reimer, E., Friederici, A.D. & Turner, R. (2010). Diffusion tensor imaging segments the human amygdala in vivo. *NeuroImage*, 49, 2958-2965.

2009

298. Bach, P., Gunter, T.C., Knoblich, G., Prinz, W. & Friederici, A.D. (2009). N400-like negativities in action perception reflect the activation of two components of an action representation. *Social Neuroscience*, 4, 212-232.
297. Bahlmann, J., Schubotz, R.I., Mueller, J.L., Köster, D. & Friederici, A.D. (2009). Neural circuits of hierarchical visuo-spatial sequence processing. *Brain Research*, 1298, 161-170.
296. Friederici, A.D. (2009). Allocating function to fiber tracts: facing its indirectness. *Trends in Cognitive Sciences*, 13(9), 370-371.
295. Friederici, A.D. (2009). Pathways to language: Fiber tracts in the human brain. *Trends in Cognitive Sciences*, 13(4), 175-181.
294. Friederici, A.D., Makuuchi, M. & Bahlmann, J. (2009). The role of the posterior superior temporal cortex in sentence comprehension. *NeuroReport*, 20, 563-568.

293. Friedrich, M., Herold, B. & Friederici, A.D. (2009).
 ERP correlates of native and non-native language word stress in infants with different language outcomes. *Cortex*, 45, 662-676.
292. Friedrich, R. & Friederici, A.D. (2009).
 Mathematical logic in the human brain: Syntax. *PLoS ONE*, 4(5), e5599.
291. Fritz, T., Jentschke, S., Gosselin, N., Sammler, D., Peretz, I., Turner, R.; Friederici, A.D. & Koelsch, S. (2009).
 Universal recognition of three basic emotions in music. *Current Biology*, 19, 573-576.
290. Heim, S., Eickhoff, S.B., Friederici, A.D. & Amunts, K. (2009).
 Left cytoarchitectonic area 44 supports selection in the mental lexicon during language production. *Brain Structure and Function*, 213, 441-456.
289. Heim, S., Eickhoff, S.B., Ischebeck, A.K., Friederici, A.D., Stephan, K.E. & Amunts, K. (2009).
 Effective connectivity of the left BA 44, BA 45, and inferior temporal gyrus during lexical and phonological decisions identified with DCM. *Human Brain Mapping*, 30, 392-402.
288. Heim, S., Friederici, A.D., Schiller, N.O., Rueschemeyer, S.-A. & Amunts, K. (2009).
 The determiner congruity effect in language production investigated with functional MRI. *Human Brain Mapping*, 30, 928-940.
287. Herrmann, B., Maess, B., Hasting, A.S. & Friederici, A.D. (2009).
 Localization of the syntactic mismatch negativity in the temporal cortex: An MEG study. *NeuroImage*, 48, 590-600.
286. Hirotani, M., Stets, M., Striano, T. & Friederici, A.D. (2009).
 Joint attention helps infants learn new words: Event-related potential evidence. *NeuroReport*, 20, 600-605.
285. Mampe, B., Friederici, A.D., Christophe, A. & Wermke, K. (2009).
 Newborns' cry melody is shaped by their native language. *Current Biology*, 19(23), 1994-1997.
284. Männel, C. & Friederici, A.D. (2009).
 Pauses and intonational phrasing: ERP studies in 5-month-old German infants and adults. *Journal of Cognitive Neuroscience*, 21, 1988-2006.
283. Makuchi, M., Bahlmann, J., Anwander, A. & Friederici, A.D. (2009).
 Segregating the core computational faculty of human language from working memory. *Proceedings of the National Academy of Sciences of the USA*, 106, 8362-8367.
282. Mueller, J., Oberecker, R. & Friederici, A.D. (2009).
 Syntactic learning by mere exposure – An ERP study in adult learners. *BMC Neuroscience*, 10:89. doi: 10.1186/1471-2202-10-89
281. Nan, Y., Friederici, A.D., Shu, H. & Luo, Y.-J. (2009).
 Dissociable pitch processing mechanisms in lexical and melodic contexts revealed by ERPs. *Brain Research*, 1263, 104-113.
280. Nan, Y., Knösche, T.R. & Friederici, A.D. (2009).
 Non-musicians' perception of phrase boundaries in music: A cross-cultural ERP study. *Biological Psychology*, 82, 70-81.

279. **Sabisch, B., Hahne, A., Glass, E., von Suchodeletz, W., & Friederici, A.D.** (2009). Children with specific language impairment: The role of prosodic processes in explaining difficulties in processing syntactic information? *Brain Research*, 1261, 37-44.
278. **Sammel, D., Koelsch, S., Ball, T., Brandt, A., Elger, C.E., Friederici, A.D., Grigutsch, M., Huppertz, H.-J., Knoesche, T.R., Wellmer, J., Widman, G. & Schulze-Bonhage, A.** (2009). Overlap of musical and linguistic syntax processing: Intracranial ERP evidence. *Annals of the New York Academy of Sciences*, 1169, 494-498.
277. **Tervaniemi, M., Kruck, S., De Baene, W., Schröger, E., Alter, K. & Friederici, A.D.** (2009). Top-down modulation of auditory processing: effects of sound context, musical expertise and attentional focus. *European Journal of Neuroscience*, 30, 1636-1642.
276. **Zawiszewski, A. & Friederici, A.D.** (2009). Processing canonical and non-canonical sentences in Basque: The case of object-verb agreement as revealed by event-related brain potentials. *Brain Research*, 1284, 161-179.

2008

275. **Bahlmann, J., Schubotz, R. & Friederici, A.D.** (2008). Hierarchical artificial grammar processing engages Broca's area. *NeuroImage*, 42, 525-534.
274. **Brauer, J., Neumann, J. & Friederici, A.D.** (2008). Temporal dynamics of perisylvian activation during language processing in children and adults. *NeuroImage*, 41, 1484-1492.
273. **Friederici, A.D., Pannekamp, A., Partsch, C.J., Ulmen, U., Oehler, K., Schmutzler, R., & Hesse, V.** (2008). Sex hormone testosterone affects language organization in the infant brain. *NeuroReport*, 19, 283-286.
272. **Friedrich, M. & Friederici, A.D.** (2008). Neurophysiological correlates of online word learning in 14-month-old infants. *NeuroReport*, 19, 1757-1761.
271. **Haupt, F.S., Schlesewsky, M., Roehm, D., Friederici, A.D. & Bornkessel-Schlesewsky, I.** (2008). The status of subject-object reanalyses in the language comprehension architecture. *Journal of Memory and Language*, 59, 54-96.
270. **Ischebeck, A., Friederici, A.D. & Alter, K.** (2008). Processing prosodic boundaries in natural and hummed speech. An fMRI study. *Cerebral Cortex*, 18, 541-552.
269. **Jentschke, S., Koelsch, S., Sallat, S. & Friederici, A.D.** (2008). Children with specific language impairment also show impairment of music-syntactic processing. *Journal of Cognitive Neuroscience*, 20, 1940-1951.
268. **Mueller, J.L., Bahlmann, J. & Friederici, A.D.** (2008). The role of pause cues in language learning: The emergence of ERPs related to sequence processing. *Journal of Cognitive Neuroscience*, 20, 892-905.
267. **Mueller, J.L., Girgsdies, S. & Friederici, A.D.** (2008). The impact of a semantic-free second-language training on ERPs during case processing. *Neuroscience Letters*, 443, 77-81.

266. Nan, Y., Knösche, T.R., Zysset, S. & Friederici, A.D. (2008).
 Cross-cultural music phrase processing: An fMRI study. *Human Brain Mapping*, 29, 312-328.
265. Schirmer, A., Escoffier, N., Zysset, S., Koester, D., Striano, T., von Cramon, D.Y. & Friederici, A.D. (2008).
 When vocal processing gets emotional. On the role of social orientation in relevance detection by the human amygdala. *NeuroImage*, 40, 1402-1410.
264. Wahl, M., Marzinzik, F., Friederici, A.D., Hahne, A., Kupsch, A., Schneider, G.H., Saddy, D., Curio, G. & Klostermann, F. (2008).
 The human thalamus processes syntactic and semantic language violations. *Neuron*, 59, 695-707.

2007

263. Anwander, A., Tittgemeyer, M., von Cramon, D.Y., Friederici, A.D. & Knösche, T.R. (2007).
 Connectivity-based parcellation of Broca's area. *Cerebral Cortex*, 17, 816-825.
262. Brauer, J. & Friederici, A.D. (2007).
 Functional neural networks of semantic and syntactic processes in the developing brain. *Journal of Cognitive Neuroscience*, 19, 1609-1623.
261. Elston-Güttler, K.E. & Friederici, A.D. (2007).
 Ambiguous words in sentences: Brain indices for native and non-native disambiguation. *Neuroscience Letters*, 414, 85-89.
260. Fiebach, C.J., Friederici, A.D., Smith, E.E. & Swinney, D. (2007).
 Lateral inferotemporal cortex maintains conceptual-semantic representations in verbal working memory. *Journal of Cognitive Neuroscience*, 19, 2035-2049.
259. Fiebach, C.J., Ricker, B., Friederici, A.D. & Jacobs, A. (2007).
 Inhibition and facilitation in visual word recognition: Prefrontal contribution to the orthographic neighborhood size effect. *NeuroImage*, 36, 901-911.
258. Friederici, A.D., Friedrich, M. & Christophe, A. (2007).
 Brain responses in 4-month-old infants are already language specific. *Current Biology*, 17, 1208-1211.
257. Friederici, A.D., von Cramon, D.Y. & Kotz, S.A. (2007).
 Role of the corpus callosum in speech comprehension: Interfacing syntax and prosody. *Neuron*, 53, 135-145.
256. Friederici, A.D. & Weissenborn, J. (2007).
 Mapping sentence form onto meaning: The syntax-semantic interface. *Brain Research*, 1146, 50-58.
255. Grossman, T., Striano, T. & Friederici, A.D. (2007).
 Developmental changes in infants' processing of happy and angry facial expressions: A neurobehavioral study. *Brain and Cognition*, 64, 30-41.
254. Hasting, A.S., Kotz, S.A. & Friederici, A.D. (2007).
 Setting the stage for automatic syntax processing: The mismatch negativity as an indicator of syntactic priming. *Journal of Cognitive Neuroscience*, 19, 386-400.

253. Hofmann, J., Kotz, S.A., Marschhauser, A., von Cramon, D.Y. & Friederici, A.D. (2007). Lesion-site affects grammatical gender assignment in German: Perception and production data. *Neuropsychologia*, 45, 954-965.
252. Isel, F., Hahne, A., Maess, B. & Friederici, A.D. (2007). Neurodynamics of sentence interpretation: ERP evidence from French. *Biological Psychology*, 74, 337-346.
251. Kotz, S.A., Opitz, B. & Friederici, A.D. (2007). ERP effects of meaningful and non-meaningful sound processing in anterior temporal patients. *Restorative Neurology and Neuroscience*, 25, 273-284.
250. Maess, B., Jacobsen, T., Schröger, E. & Friederici, A.D. (2007). Localizing pre-attentive auditory memory-based comparison: Magnetic mismatch negativity to pitch change. *NeuroImage*, 37, 561-571.
249. Meyer, M., Toepel, U., Keller, J., Nussbaumer, D., Zysset, S. & Friederici, A.D. (2007). Neuroplasticity of sign language: Implications from structural and functional brain imaging. *Restorative Neurology & Neuroscience*, 25, 335-351.
248. Meyer, P., Mecklinger, A. & Friederici, A.D. (2007). Bridging the gap between the semantic N400 and early old/new memory effect. *NeuroReport*, 18, 1009-1013.
247. Mueller, J.L., Hirotani, M. & Friederici, A.D. (2007). ERP evidence for different strategies in the processing of case markers in native speakers and non-native learners. *BioMed Central Neuroscience*, 8:18. doi:10.1186/1471-2202-8-18
246. Opitz, B. & Friederici, A.D. (2007). Neural basis of processing sequential and hierarchical syntactic structures. *Human Brain Mapping*, 28, 585-592.
245. Rüschemeyer, S.-A., Brass, M. & Friederici, A.D. (2007). Comprehending prehending: Neural correlates of processing verbs with motor stems. *Journal of Cognitive Neuroscience*, 19, 855-865.
244. Stolterfoht, B., Friederici, A.D., Alter, K. & Steube, A. (2007). Processing focus structure and implicit prosody during reading: Differential ERP effects. *Cognition*, 104, 565-590.
243. Wartenburger, I., Steinbrink, J., Telkemeyer, S., Friedrich, M., Friederici, A.D. & Obrig, H. (2007). The processing of prosody: Evidence of interhemispheric specialization at the age of four. *NeuroImage*, 34, 416-425.

2006

242. Bahlmann, J., Gunter, T.C. & Friederici, A.D. (2006). Hierarchical and linear sequence processing: An electrophysiological exploration of two different grammar types. *Journal of Cognitive Neuroscience*, 18, 1829-1842.
241. Eckstein, K. & Friederici, A.D. (2006). It's early: Event-related potential evidence for initial interaction of syntax and prosody in speech comprehension. *Journal of Cognitive Neuroscience*, 18, 1696-1711.

240. Friederici, A.D. (2006).
What's in control of language? *Nature Neuroscience*, 9, 991-992 (News and Views).
239. Friederici, A.D. (2006).
Broca's area and the ventral premotor cortex in language: Functional differentiation and specificity. *Cortex*, 42, 472-475.
238. Friederici, A.D. (2006).
The neural basis of language development and its impairment. *Neuron*, 52, 941-952.
237. Friederici, A.D., Bahlmann, J., Heim, S., Schubotz, R.I. & Anwander, A. (2006).
The brain differentiates human and non-human grammars: Functional localization and structural connectivity. *Proceedings of the National Academy of Sciences of the USA*, 103, 2458-2463.
236. Friederici, A.D., Fiebach, C.J., Schlesewsky, M., Bornkessel, I. & von Cramon, D.Y. (2006).
Processing linguistic complexity and grammaticality in the left frontal cortex. *Cerebral Cortex*, 16, 1709-1717.
235. Friedrich, M. & Friederici, A.D. (2006).
Early N400 development and later language acquisition. *Psychophysiology*, 43, 1-12.
234. Grodzinsky, Y. & Friederici, A.D. (2006).
Neuroimaging of syntax and syntactic processing. *Current Opinion in Neurobiology*, 16, 240-246.
233. Grossmann, T., Striano, T. & Friederici, A.D. (2006).
Crossmodal integration of emotional information from face and voice in the infant brain. *Developmental Science*, 9, 309-315.
232. Heim, S., Amunts, K., Mohlberg, H., Wilms, M. & Friederici, A.D. (2006).
Head motion during overt language production in functional magnetic resonance imaging. *NeuroReport*, 17, 579-582.
231. Heim, S., Eickhoff, S., Amunts, K., Opitz, B. & Friederici, A.D. (2006).
BA 44 in Broca's area supports syntactic gender decisions in language production. *NeuroReport*, 17, 1097-1101.
230. Koelsch, S., Fritz, T., von Cramon, D.Y., Müller, K. & Friederici, A.D. (2006).
Investigating emotion with music: An fMRI study. *Human Brain Mapping*, 27, 239-250.
229. Maess, B., Herrmann, C.S., Hahne, A., Nakamura, A. & Friederici, A.D. (2006).
Localizing the distributed language network responsible for the N400 measured by MEG during auditory sentence processing. *Brain Research*, 1096, 163-172.
228. Mueller, J.L., Rüschemeyer, S.-A. & Friederici, A.D. (2006).
Aktivitätsmuster im Gehirn: Unterschiede und Gemeinsamkeiten beim Verstehen von Erst- und Zweitsprache. *Neuroforum*, 2/06, 176-184.
227. Nan, Y., Knösche, T.R. & Friederici, A.D. (2006).
The perception of musical phrase structure: A cross-cultural ERP study. *Brain Research*, 1094, 179-191.

226. Neuhaus, C., Knösche, T.R. & Friederici, A.D. (2006). Effects of musical expertise and boundary markers on phrase perception in music. *Journal of Cognitive Neuroscience*, 18, 472-493.
225. Oberecker, R. & Friederici, A.D. (2006). Syntactic event-related potential components in 24-month-olds' sentence comprehension. *NeuroReport*, 17, 1017-1021.
224. Pannekamp, A., Weber, C. & Friederici, A.D. (2006). Prosodic processing at the sentence level in infants. *NeuroReport*, 17, 675-678.
223. Rossi, S., Gugler, M.F., Friederici, A.D. & Hahne, A. (2006). The impact of proficiency on syntactic second language processing of German and Italian: Evidence from event-related potentials. *Journal of Cognitive Neuroscience*, 18, 2030-2048.
222. Rüschemeyer, S.-A., Zysset, S. & Friederici, A.D. (2006). Native and non-native reading of sentences: An fMRI experiment. *NeuroImage*, 31, 354-365.
221. Sabisch, B., Hahne, A., Glass, E., von Suchodoletz, W. & Friederici, A.D. (2006). Lexical-semantic processes in children with specific language impairment. *NeuroReport*, 17, 1511-1514.
220. Sabisch, B., Hahne, A., Glass, E., von Suchodoletz, W. & Friederici, A.D. (2006). Auditory language comprehension in children with developmental dyslexia: Evidence from event-related potentials. *Journal of Cognitive Neuroscience*, 18, 1676-1695.
219. Sivonen, P., Maess, B. & Friederici, A.D. (2006). Semantic retrieval of spoken words with an obliterated initial phoneme in a sentence context. *Neuroscience Letters*, 408, 220-225.
218. Sivonen, P., Maess, B., Lattner, S. & Friederici, A.D. (2006). Phonemic restoration in sentence context: Evidence from early and late ERP effects. *Brain Research*, 1121, 177-189.
217. Tervaniemi, M., Szameitat, A.J., Kruck, S., Schröger, E., De Baene, W. & Friederici, A.D. (2006). From air oscillations to music and speech: Functional magnetic resonance imaging evidence for fine-tuned neural networks in audition. *Journal of Neuroscience*, 26, 8647-8652.
216. Tillmann, B., Koelsch, S., Escoffier, N., Bigand, E., Lalitte, P., Friederici, A.D. & von Cramon, D.Y. (2006). Cognitive priming in sung and instrumental music: Activation of inferior frontal cortex. *NeuroImage*, 31, 1771-1782.
215. Woldag, H., Waldmann, G., Knösche, T.R., Maess, B., Friederici, A.D. & Hummelsheim, H. (2006). Rapidly induced changes in neuromagnetic fields following repetitive hand movements. *European Journal of Neurology*, 13, 723-728.
214. Ye, Z., Luo, Y.-J., Friederici, A.D. & Zhou, X. (2006). Semantic and syntactic processing in Chinese sentence comprehension: Evidence from event-related potentials. *Brain Research*, 1071, 186-196.

213. **Bach, P., Knoblich, G., Gunter, T.C., Friederici, A.D. & Prinz, W.** (2005). Action comprehension: Deriving spatial and functional relations. *Journal of Experimental Psychology: Human Perception and Performance*, 31, 465-479.
212. **Bornkessel, I., Zyssett, S., Friederici, A.D., von Cramon, D.Y. & Schlesewsky, M.** (2005). Who did what to whom? The neural basis of argument hierarchies during language comprehension. *NeuroImage*, 26, 221-233.
211. **Eckstein, K. & Friederici, A.D.** (2005). Late interaction of syntactic and prosodic processes in sentence comprehension as revealed by ERPs. *Cognitive Brain Research*, 25, 130-143.
210. **Elston-Güttler, K.E. & Friederici, A.D.** (2005). Native and L2 processing of homonyms in sentential context. *Journal of Memory and Language*, 52, 256-283.
209. **Fiebach, C.J., Schlesewsky, M., Lohmann, G., von Cramon, D.Y. & Friederici, A.D.** (2005). Revisiting the role of Broca's area in sentence processing: Syntactic integration versus syntactic working memory. *Human Brain Mapping*, 24, 79-91.
208. **Friederici, A.D.** (2005). Neurophysiological markers of early language acquisition: From syllables to sentences. *Trends in Cognitive Sciences*, 9, 481-488.
207. **Friedrich, M. & Friederici, A.D.** (2005). Lexical priming and semantic integration reflected in the event-related potential of 14-month-olds. *NeuroReport*, 16, 653-656.
206. **Friedrich, M. & Friederici, A.D.** (2005). Phonotactic knowledge and lexical-semantic processing in one-year-olds: Brain responses to words and nonsense words in picture contexts. *Journal of Cognitive Neuroscience*, 17, 1785-1802.
205. **Friedrich, M. & Friederici, A.D.** (2005). Semantic sentence processing reflected in the event-related potentials of one- and two-year-old children. *NeuroReport*, 16, 1801-1804.
204. **Frisch, S., Kotz, S.A. & Friederici, A.D.** (2005). Bildgebende Verfahren und die Verarbeitung syntaktischer Information. *Sprache – Stimme – Gehör*, 29, 121-129.
203. **Grossmann, T., Striano, T. & Friederici, A.D.** (2005). Infants' electric brain responses to emotional prosody. *NeuroReport*, 16, 1825-1828.
202. **Heim, S., Alter, K. & Friederici, A.D.** (2005). A dual-route account for access to grammatical gender: Evidence from functional MRI. *Anatomy and Embryology*, 210, 473-483.
201. **Heim, S., Alter, K., Ischebeck, A.K., Amunts, K., Eickhoff, S.B., Mohlberg, H., Zilles, K., von Cramon, D.Y. & Friederici, A.D.** (2005). The role of the left Brodmann's areas 44 and 45 in reading words and pseudowords. *Cognitive Brain Research*, 25, 982-993.

200. Isel, F., Alter, K. & Friederici, A.D. (2005).
Influence of prosodic information on the processing of split particles: ERP evidence from spoken German. *Journal of Cognitive Neuroscience*, 17, 154-167.
199. Knösche, T.R., Neuhaus, C., Haueisen, J., Alter, K., Maess, B., Witte, O.W. & Friederici, A.D. (2005).
Perception of phrase structure in music. *Human Brain Mapping*, 24, 259-273.
198. Kotz, S.A., von Cramon, D.Y. & Friederici, A.D. (2005).
On the role of phonological short-term memory in sentence processing: ERP single case evidence on modality-specific effects. *Cognitive Neuropsychology*, 22, 931-958.
197. Lattner, S., Meyer, M.E. & Friederici, A.D. (2005).
Voice perception: Sex, pitch, and the right hemisphere. *Human Brain Mapping*, 24, 11-20.
196. Meyer, P., Mecklinger, A., Grunwald, T., Fell, J., Elger, C.E. & Friederici, A.D. (2005).
Language processing within the human medial temporal lobe. *Hippocampus*, 15, 451-459.
195. Mueller, J.L., Hahne, A., Fujii, Y. & Friederici, A.D. (2005).
Native and nonnative speakers' processing of a miniature version of Japanese as revealed by ERPs. *Journal of Cognitive Neuroscience*, 17, 1229-1244.
194. Oberecker, R., Friedrich, M. & Friederici, A.D. (2005).
Neural correlates of syntactic processing in two-year-olds. *Journal of Cognitive Neuroscience*, 17, 1667-1678.
193. Pannekamp, A., Toepel, U., Alter, K., Hahne, A. & Friederici, A.D. (2005).
Prosody-driven sentence processing: An event-related brain potential study. *Journal of Cognitive Neuroscience*, 17, 407-421.
192. Rossi, S., Gugler, M.F., Hahne, A. & Friederici, A.D. (2005).
When word category information encounters morphosyntax: An ERP study. *Neuroscience Letters*, 384, 228-233.
191. Rüschemeyer, S.-A., Fiebach, C.J., Kempe, V. & Friederici, A.D. (2005).
Processing lexical semantic and syntactic information in first and second language: fMRI evidence from German and Russian. *Human Brain Mapping*, 25, 266-286.
190. Schirmer, A., Kotz, S.A. & Friederici, A.D. (2005).
On the role of attention for the processing of emotions in speech: Sex differences revisited. *Cognitive Brain Research*, 24, 442-452.
189. Schirmer, A., Striano, T. & Friederici, A.D. (2005).
Sex differences in the preattentive processing of vocal emotional expressions. *NeuroReport*, 16, 635-639.
188. Weber, C., Hahne, A., Friedrich, M. & Friederici, A.D. (2005).
Reduced stress pattern discrimination in 5-month-olds as a marker of risk for later language impairment: Neurophysiological evidence. *Cognitive Brain Research*, 25, 180-187.

2004

187. Bornkessel, I., Fiebach, C.J. & Friederici, A.D. (2004).
On the cost of syntactic ambiguity in human language comprehension: An individual differences approach. *Cognitive Brain Research*, 21, 11-21.

186. Bornkessel, I., Fiebach, C.J., Friederici, A.D. & Schlesewsky, M. (2004). "Capacity" reconsidered: Interindividual differences in language comprehension and individual alpha frequency. *Experimental Psychology*, 51, 279-289.
185. Bornkessel, I., McElree, B., Schlesewsky, M. & Friederici, A.D. (2004). Multi-dimensional contributions to garden path strength: Dissociating phrase structure from case marking. *Journal of Memory and Language*, 51, 495-522.
184. Fiebach, C.J., Vos, S.H. & Friederici, A.D. (2004). Neural correlates of syntactic ambiguity in sentence comprehension for low and high span readers. *Journal of Cognitive Neuroscience*, 16, 1562-1575.
183. Friederici, A.D. (2004). Event-related brain potential studies in language. *Current Neurology and Neuroscience Reports*, 4, 466-470.
182. Friederici, A.D. (2004). Processing local transitions versus long-distance syntactic hierarchies. *Trends in Cognitive Sciences*, 8, 245-247.
181. Friederici, A.D. & Alter, K. (2004). Lateralization of auditory language functions: A dynamic dual pathway model. *Brain and Language*, 89, 267-276.
180. Friederici, A.D., Gunter, T.C., Hahne, A. & Mauth, K. (2004). The relative timing of syntactic and semantic processes in sentence comprehension. *NeuroReport*, 15, 165-169.
179. Friederici, A.D. & Meyer, M. (2004). The brain knows the difference: Two types of grammatical violations. *Brain Research*, 1000, 72-77.
178. Friedrich, C.K., Kotz, S.A., Friederici, A.D. & Alter, K. (2004). Pitch modulates lexical identification in spoken word recognition: ERP and behavioral evidence. *Cognitive Brain Research*, 20, 300-308.
177. Friedrich, C.K., Kotz, S.A., Friederici, A.D. & Gunter, T.C. (2004). ERPs reflect lexical identification in word fragment priming. *Journal of Cognitive Neuroscience*, 16, 541-552.
176. Friedrich, M. & Friederici, A.D. (2004). N400-like semantic incongruity effect in 19-month-olds: Processing known words in picture contexts. *Journal of Cognitive Neuroscience*, 16, 1465-1477.
175. Friedrich, M., Weber, C. & Friederici, A.D. (2004). Electrophysiological evidence for delayed mismatch response in infants at-risk for specific language impairment. *Psychophysiology*, 41, 772-782.
174. Frisch, S., Hahne, A. & Friederici, A.D. (2004). Word category and verb-argument structure information in the dynamics of parsing. *Cognition*, 91, 191-219.

173. **Hahne, A., Eckstein, K. & Friederici, A.D.** (2004). Brain signatures of syntactic and semantic processes during children's language development. *Journal of Cognitive Neuroscience*, 16, 1302-1318.
172. **Koelsch, S., Kasper, E., Sammler, D., Schulze, K., Gunter, T.C. & Friederici, A.D.** (2004). Music, language, and meaning: Brain signatures of semantic processing. *Nature Neuroscience*, 7, 302-307.
171. **Koester, D., Gunter, T.C., Wagner, S. & Friederici, A.D.** (2004). Morphosyntax, prosody, and linking elements: The auditory processing of German nominal compounds. *Journal of Cognitive Neuroscience*, 16, 1647-1668.
170. **Meyer, M., Steinhauer, K., Alter, K., Friederici, A.D. & von Cramon, D.Y.** (2004). Brain activity varies with modulation of dynamic pitch variance in sentence melody. *Brain and Language*, 89, 277-289.
169. **Nakamura, A., Maess, B., Knösche, T.R., Gunter, T.C., Bach, P. & Friederici, A.D.** (2004). Cooperation of different neuronal systems during hand sign recognition. *NeuroImage*, 23, 25-34.
168. **Opitz, B. & Friederici, A.D.** (2004). Brain correlates of language learning: The neuronal dissociation of rule-based versus similarity-based learning. *The Journal of Neuroscience*, 24, 8436-8440.
167. **Weber, C., Hahne, A., Friedrich, M. & Friederici, A.D.** (2004). Discrimination of word stress in early infant perception: Electrophysiological evidence. *Cognitive Brain Research*, 18, 149-161.
166. **Wermke, K. & Friederici, A.D.** (2004). Developmental changes of infant cries – The evolution of complex vocalizations. *Behavioral and Brain Sciences*, 27, 474-475.

2003

165. **Alter, K., Rank, E., Kotz, S.A., Toepel, U., Besson, M., Schirmer, A. & Friederici, A.D.** (2003). Affective encoding in the speech signal and in event-related brain potentials. *Speech Communication*, 40, 61-70.
164. **Bornkessel, I., Schlesewsky, M. & Friederici, A.D.** (2003). "And yet it moves" or why grammar overrides frequency: A reply to Kempen and Harbusch. *Cognition*, 90, 211-213.
163. **Bornkessel, I., Schlesewsky, M. & Friederici, A.D.** (2003). Contextual information modulates initial processes of syntactic integration: The role of inter-versus intrasentential predictions. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 29, 871-882.
162. **Bornkessel, I., Schlesewsky, M. & Friederici, A.D.** (2003). Eliciting thematic reanalysis effects: The role of syntax-independent information during parsing. *Language and Cognitive Processes*, 18, 269-298.
161. **Fiebach, C.J. & Friederici, A.D.** (2003). Processing concrete words: fMRI evidence against a specific right hemisphere involvement. *Neuropsychologia*, 42, 62-70.

160. **Fiebach, C.J., Friederici, A.D., Müller, K., von Cramon, D.Y. & Hernandez, A.E.** (2003). Distinct brain representations for early and late learned words. *NeuroImage*, 19, 1627-1637.
159. **Friederici, A.D.** (2003). Der Lauscher im Kopf. *Gehirn & Geist*, 2, 43-45.
158. **Friederici, A.D. & Bornkessel, I.** (2003). Missing the syntactic piece. *Behavioral and Brain Sciences*, 26, 735-736.
157. **Friederici, A.D. & Kotz, S.A.** (2003). The brain basis of syntactic processes: Functional imaging and lesion studies. *NeuroImage*, 20, S8-S17.
156. **Friederici, A.D., Kotz, S.A., Werheid, K., Hein, G. & von Cramon, D.Y.** (2003). Syntactic comprehension in Parkinson's disease: Investigating early automatic and late integrational processes using event-related brain potentials. *Neuropsychology*, 17, 133-142.
155. **Friederici, A.D., Rüschemeyer, S.-A., Hahne, A. & Fiebach, C.J.** (2003). The role of left inferior frontal and superior temporal cortex in sentence comprehension: Localizing syntactic and semantic processes. *Cerebral Cortex*, 13, 170-177.
154. **Frisch, S., Kotz, S.A., von Cramon D.Y. & Friederici, A.D.** (2003). Why the P600 is not just a P300: The role of the basal ganglia. *Clinical Neurophysiology*, 114, 336-340.
153. **Gunter, T.C., Wagner, S. & Friederici, A.D.** (2003). Working memory and lexical ambiguity resolution as revealed by ERPs: A difficult case for activation theories. *Journal of Cognitive Neuroscience*, 15, 643-657.
152. **Heim, S. & Friederici, A.D.** (2003). Phonological processing in language production: Time course of brain activity. *NeuroReport*, 14, 2031-2033.
151. **Heim, S., Opitz, B. & Friederici, A.D.** (2003). Distributed cortical networks for syntax processing: Broca's area as the common denominator. *Brain and Language*, 85, 402-408.
150. **Heim, S., Opitz, B., Müller, K. & Friederici, A.D.** (2003). Phonological processing during language production: fMRI evidence for a shared production-comprehension network. *Cognitive Brain Research*, 16, 285-296.
149. **Herrmann, C.S., Friederici, A.D., Oertel, U., Maess, B., Hahne, A. & Alter, K.** (2003). The brain generates its own sentence melody: A Gestalt phenomenon in speech perception. *Brain and Language*, 85, 396-401.
148. **Isel, F., Gunter, T.C. & Friederici, A.D.** (2003). Prosody-assisted head-driven access to spoken German compounds. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 29, 277-288.
147. **Koelsch, S. & Friederici, A.D.** (2003). Toward the neural basis of processing structure in music: Comparative results of different neurophysiological investigation methods. *Annals of the New York Academy of Sciences*, 999, 15-28.

146. Koelsch, S., Grossmann, T., Gunter, T.C., Hahne, A., Schröger, E. & Friederici, A.D. (2003). Children processing music: Electric brain responses reveal musical competence and gender differences. *Journal of Cognitive Neuroscience*, 15, 683-693.
145. Koelsch, S., Gunter, T., Schröger, E. & Friederici, A.D. (2003). Processing tonal modulations: An ERP study. *Journal of Cognitive Neuroscience*, 15, 1149-1159.
144. Koelsch, S., Maess, B., Grossmann, T. & Friederici, A.D. (2003). Electric brain responses reveal gender differences in music processing. *NeuroReport*, 14, 709-713.
143. Kotz, S.A. & Friederici, A.D. (2003). Electrophysiology of normal and pathological language processing. *Journal of Neurolinguistics*, 16, 43-58.
142. Kotz, S.A., Frisch, S., von Cramon D.Y. & Friederici, A.D. (2003). Syntactic language processing: ERP lesion data on the role of the basal ganglia. *Journal of the International Neuropsychological Society*, 9, 1053-1060.
141. Kotz, S.A., Meyer, M., Alter, K., Besson, M., von Cramon D.Y. & Friederici, A.D. (2003). On the lateralization of emotional prosody: An event-related functional MR investigation. *Brain and Language*, 86, 366-376.
140. Lattner, S. & Friederici, A.D. (2003). Talker's voice and gender stereotype in human auditory sentence processing – Evidence from event-related brain potentials. *Neuroscience Letters*, 339, 191-194.
139. Lattner, S., Maess, B., Wang, Y., Schauer, M., Alter, K. & Friederici, A.D. (2003). Dissociation of human and computer voices in the brain: Evidence for a preattentive gestalt-like perception. *Human Brain Mapping*, 20, 13-21.
138. Meyer, M., Alter, K. & Friederici, A.D. (2003). Functional MR Imaging exposes differential brain responses to syntax and prosody during auditory sentence comprehension. *Journal of Neurolinguistics*, 16, 277-300.
137. Opitz, B. & Friederici, A.D. (2003). Interactions of the hippocampal system and the prefrontal cortex in learning language-like rules. *NeuroImage*, 19, 1730-1737.
136. Vos, S. & Friederici, A.D. (2003). Intersentential syntactic context effects on comprehension: The role of working memory. *Cognitive Brain Research*, 16, 111-122.
135. Woldag, H., Waldmann, G., Schubert, M., Oertel, U., Maess, B., Friederici, A. & Hummelsheim, H. (2003). Cortical neuromagnetic fields evoked by voluntary and passive hand movements in healthy adults. *Journal of Clinical Neurophysiology*, 20, 94-101.

2002

134. Bentin, S., Sagiv, N., Mecklinger, A., Friederici, A.D. & von Cramon, D.Y. (2002). Priming visual face-processing mechanisms: Electrophysiological evidence. *Psychological Science*, 13, 190-193.

133. Bornkessel, I., Schlesewsky, M. & Friederici, A.D. (2002). Grammar overrides frequency: Evidence from the online processing of flexible word order. *Cognition*, 85, B21-B30.
132. Bornkessel, I., Schlesewsky, M. & Friederici, A.D. (2002). Beyond syntax: Language-related positivities reflect the revision of hierarchies. *NeuroReport*, 13, 361-364.
131. Fiebach, C.J., Friederici A.D., Müller, K. & von Cramon, D.Y. (2002). FMRI evidence for dual routes to the mental lexicon in visual word recognition. *Journal of Cognitive Neuroscience*, 14, 11-23.
130. Fiebach, C.J., Schlesewsky, M. & Friederici A.D. (2002). Separating syntactic memory costs and syntactic integration costs during parsing: The processing of German WH-questions. *Journal of Memory and Language*, 47, 250-272.
129. Friederici, A.D. (2002). Towards a neural basis of auditory sentence processing. *Trends in Cognitive Sciences*, 6, 78-84.
128. Friederici, A.D. (2002). Wie Sprache auf die Nerven geht. *Wissenschaftsmagazin der Max-Planck-Gesellschaft*, 3, 52-57.
127. Friederici, A.D., Friedrich, M. & Weber, C. (2002). Neural manifestation of cognitive and precognitive mismatch detection in early infancy. *NeuroReport*, 13, 1251-1254.
126. Friederici, A.D., Hahne, A. & Saddy, D. (2002). Distinct neurophysiological patterns reflecting aspects of syntactic complexity and syntactic repair. *Journal of Psycholinguistic Research*, 31, 45-63.
125. Friederici, A.D., Steinhauer, K. & Pfeifer, E. (2002). Brain signatures of artificial language processing: Evidence challenging the critical period hypothesis. *Proceedings of the National Academy of Sciences of the USA*, 99, 529-534.
124. Hahne, A. & Friederici, A.D. (2002). Differential task effects on semantic and syntactic processes as revealed by ERPs. *Cognitive Brain Research*, 13, 339-356.
123. Hahne, A., Schröger, E. & Friederici, A.D. (2002). Segregating early physical and syntactic processes in auditory sentence comprehension. *NeuroReport*, 13, 305-309.
122. Hälbig, T.D., von Cramon, D.Y., Schmid, U.D., Gall, C. & Friederici, A.D. (2002). Processing of temporal duration information in working memory after frontodorsal tumour excisions. *Brain and Cognition*, 50, 282-303.
121. Heim, S., Opitz, B. & Friederici, A.D. (2002). Broca's area in the human brain is involved in the selection of grammatical gender for language production: Evidence from event-related functional magnetic resonance imaging. *Neuroscience Letters*, 328, 101-104.

120. Herrmann, C.S., Senkowski, D., Maess, B. & Friederici, A.D. (2002). Spatial versus object feature processing in human auditory cortex: A magnetoencephalographic study. *Neuroscience Letters*, 334, 37-40.
119. Hund-Georgiadis, M., Lex, U., Friederici, A.D. & von Cramon, D.Y. (2002). Non-invasive regime for language lateralization in right- and lefthanders by means of functional MRI and dichotic listening. *Experimental Brain Research*, 145, 166-176.
118. Jescheniak, J.D., Schriefers, H., Garrett, M.F. & Friederici, A.D. (2002). Exploring the activation of semantic and phonological codes during speech planning with event-related brain potentials. *Journal of Cognitive Neuroscience*, 14, 951-964.
117. Knösche, T.R., Lattner, S., Maess, B., Schauer, M. & Friederici, A.D. (2002). Early parallel processing of auditory word and voice information. *NeuroImage*, 17, 1493-1503.
116. Koelsch, S., Gunter, T.C., von Cramon, D.Y., Zysset, S., Lohmann, G. & Friederici, A.D. (2002). Bach speaks: A cortical 'language-network' serves the processing of music. *NeuroImage*, 17, 956-966.
115. Kotz, S.A., Cappa, S.F., von Cramon, D.Y. & Friederici, A.D. (2002). Modulation of the lexical-semantic network by auditory semantic priming: An event-related functional MRI study. *NeuroImage*, 17, 1761-1772.
114. Maess, B., Friederici, A.D., Damian, M., Meyer, A.S. & Levelt, W.J.M. (2002). Semantic category interference in overt picture naming: Sharpening current density localization by PCA. *Journal of Cognitive Neuroscience*, 14, 455-462.
113. Meyer, M., Alter, K., Friederici, A.D., Lohmann, G. & von Cramon, D.Y. (2002). FMRI reveals brain regions mediating slow prosodic modulations in spoken sentences. *Human Brain Mapping*, 17, 73-88.
112. Schirmer, A., Kotz, S.A. & Friederici, A.D. (2002). Sex differentiates the role of emotional prosody during word processing. *Cognitive Brain Research*, 14, 228-233.
111. Weber, C. & Friederici, A.D. (2002). Neurophysiologische Aspekte der Sprachverarbeitung – Perspektiven für die Sprachpathologie. *Fachzeitschrift der Deutschen Gesellschaft für Sprachheilpädagogik: Die Sprachheilarbeit*, Jg. 47, 156-164.

2001

110. Bosch, V., Mecklinger, A. & Friederici, A.D. (2001). Slow cortical potentials during retention of object, spatial and verbal information. *Cognitive Brain Research*, 10, 219-237.
109. Fiebach, C.J., Schlesewsky, M. & Friederici, A.D. (2001). Syntactic working memory and the establishment of filler-gap dependencies: Insights from ERPs and fMRI. *Journal of Psycholinguistic Research*, 30, 321-338.
108. Friederici, A.D. (2001). Syntactic, prosodic, and semantic processes in the brain: Evidence from event-related neuroimaging. *Journal of Psycholinguistic Research*, 30, 237-250.

107. Friederici, A.D., Hickok, G. & Swinney, D. (2001).
 Brain imaging and language processing. An introduction to special issue papers. *Journal of Psycholinguistic Research*, 30, 221-224.
106. Friederici, A.D., Mecklinger, A., Spencer, K.M., Steinhauer, K. & Donchin, E. (2001).
 Syntactic parsing preferences and their on-line revisions: A spatio-temporal analysis of event-related brain potentials. *Cognitive Brain Research*, 11, 305-323.
105. Goschke, T., Friederici, A.D., Kotz, S.A., & van Kampen, A. (2001).
 Procedural learning in Broca's aphasia: Dissociation between the implicit acquisition of spatio-motor and phoneme sequences. *Journal of Cognitive Neuroscience*, 13, 370-388.
104. Hahne, A. & Friederici, A.D. (2001).
 Processing a second language: Late learners' comprehension strategies as revealed by event-related brain potentials. *Bilingualism: Language and Cognition*, 4, 123-141.
103. Herrmann, C.S. & Friederici, A.D. (2001).
 Object processing in the infant brain. *Science*, 292, 163.
102. Koelsch, S., Gunter, T.C., Schröger, E., Tervaniemi, M., Sammler, D. & Friederici, A.D. (2001).
 Differentiating ERAN and MMN: An ERP study. *NeuroReport*, 12, 1385-1389.
101. Maess, B., Koelsch, S., Gunter, T.C. & Friederici A.D. (2001).
 Musical syntax is processed in Broca's area: An MEG study. *Nature Neuroscience*, 4, 540-545.
100. Schirmer, A., Alter, K., Kotz, S. & Friederici, A.D. (2001).
 Lateralization of prosody during language production: A lesion study. *Brain and Language*, 76, 1-17.
99. Steinhauer, K. & Friederici, A.D. (2001).
 Prosodic boundaries, comma rules, and brain responses: The Closure Positive Shift in the ERPs as a universal marker for prosodic phrasing in listeners and readers. *Journal of Psycholinguistic Research*, 30, 267-295.
98. Vos, S.H., Gunter, T.C., Schriefers, H. & Friederici, A.D. (2001).
 Syntactic parsing and working memory: The effects of syntactic complexity, reading span, and concurrent load. *Language and Cognitive Processes*, 16, 65-103.

2000

97. Friederici, A.D. (2000).
 The developmental cognitive neuroscience of language: A new research domain. *Brain and Language*, 71, 65-68.
96. Friederici, A.D. & Frisch, S. (2000).
 Verb-argument structure processing: The role of verb-specific and argument-specific information. *Journal of Memory and Language*, 43, 476-507.
95. Friederici, A.D. & von Cramon, D.Y. (2000).
 Syntax in the brain: Linguistic versus neuroanatomical specificity. *Behavioral and Brain Sciences*, 23, 32-33.
94. Friederici, A.D., Meyer, M. & von Cramon, D.Y. (2000).
 Auditory language comprehension: An event-related fMRI study on the processing of syntactic and lexical information. *Brain and Language*, 74, 289-300.

93. Friederici, A.D., Opitz, B. & von Cramon, D.Y. (2000). Segregating semantic and syntactic aspects of processing in the human brain: An fMRI investigation of different word types. *Cerebral Cortex*, 10, 698-705.
92. Friederici, A.D., Wang, Y., Herrmann, C.S., Maess, B. & Oertel, U. (2000). Localization of early syntactic processes in frontal and temporal cortical areas: A magnetoencephalographic study. *Human Brain Mapping*, 11, 1-11.
91. Frisch, S., Saddy, D. & Friederici, A.D. (2000). Cutting a long story (too) short. *Behavioral and Brain Sciences*, 23, 34-35
90. Gunter, T.C., Friederici, A.D. & Schriefers, H. (2000). Syntactic gender and semantic expectancy: ERPs reveal early autonomy and late interaction. *Journal of Cognitive Neuroscience*, 12, 556-568.
89. Herrmann, C.S., Oertel, U., Wang, Y., Maess, B. & Friederici, A.D. (2000). Noise affects auditory and linguistic processing differently: An MEG study. *NeuroReport*, 11, 227-229.
88. Koelsch, S., Gunter, T., Friederici, A.D. & Schröger, E. (2000). Brain indices of music processing: "Nonmusicians" are musical. *Journal of Cognitive Neuroscience*, 12, 520-541.
87. Lange-Küttner, C. & Friederici, A.D. (2000). Modularity of object and place memory in children. *Brain and Cognition*, 43, 302-305.
86. Meyer, M., Friederici, A.D. & von Cramon, D.Y. (2000). Neurocognition of auditory sentence comprehension: Event-related fMRI reveals sensitivity to syntactic violations and task demands. *Cognitive Brain Research*, 9, 19-33.
85. Opitz, B., Mecklinger, A. & Friederici, A.D. (2000). Functional asymmetry of human prefrontal cortex: Encoding and retrieval of verbally and nonverbally coded information. *Learning & Memory*, 7, 85-96.
84. Schubotz, R.I., Friederici, A.D. & von Cramon, D.Y. (2000). Time perception and motor timing: A common cortical and subcortical basis revealed by fMRI. *NeuroImage*, 11, 1-12.

1999

83. Friederici, A.D. (1999). The neuronal dynamics of auditory language comprehension. In BBAW-Akademievorlesungen, *Die Welt im Kopf*, (pp. 67-87), Berlin: Akademie Verlag.
82. Friederici, A.D., von Cramon, D.Y. & Kotz, S.A. (1999). Language related brain potentials in patients with cortical and subcortical left hemisphere lesions. *Brain*, 122, 1033-1047.
81. Friederici, A.D. & Jacobsen, T. (1999). Processing grammatical gender during language comprehension. *Journal of Psycholinguistic Research*, 28, 467-484.

80. Friederici, A.D., Steinhauer, K. & Frisch, S. (1999).
Lexical integration: Sequential effects of syntactic and semantic information. *Memory & Cognition*, 27, 438-453.
79. Gunter, T.C. & Friederici, A.D. (1999).
Concerning the automaticity of syntactic processing. *Psychophysiology*, 36, 126-137.
78. Gunter, T.C., Friederici, A.D. & Hahne, A. (1999).
Brain responses during sentence reading: Visual input affects central processes. *NeuroReport*, 10, 3175-3178.
77. Hahne, A. & Friederici, A.D. (1999).
Electrophysiological evidence for two steps in syntactic analysis: Early automatic and late controlled processes. *Journal of Cognitive Neuroscience*, 11, 194-205.
76. Knösche, T.R., Maeß, B. & Friederici, A.D. (1999).
Processing of syntactic information monitored by brain surface current density mapping based on MEG. *Brain Topography*, 12, 75-87.
75. Opitz, B., Mecklinger, A., Friederici, A.D. & von Cramon, D.Y. (1999).
The functional neuroanatomy of novelty processing: Integrating ERP and fMRI results. *Cerebral Cortex*, 9, 379-391.
74. Steinhauer, K., Alter, K. & Friederici, A.D. (1999).
Brain potentials indicate immediate use of prosodic cues in natural speech processing. *Nature Neuroscience*, 2, 191-196.

1998

73. Besson, M. & Friederici, A.D. (1998).
Language and music: A comparative view. *Music Perception*, 16, 1-9.
72. Friederici, A.D. & Gorrell, P. (1998).
Structural prominence and agrammatic theta-role assignment: A reconsideration of linear strategies. *Brain and Language*, 65, 253-275.
71. Friederici, A.D., Hahne, A. & von Cramon, D.Y. (1998).
First-pass versus second-pass parsing processes in a Wernicke's and a Broca's aphasic: Electrophysiological evidence for a double dissociation. *Brain and Language*, 62, 311-341.
70. Friederici, A.D., Schriefers, H. & Lindenberger U. (1998).
Differential age effects on semantic and syntactic priming. *International Journal of Behavioral Development*, 22, 813-845.
69. Friederici, A.D., Steinhauer, K., Mecklinger, A. & Meyer, M. (1998).
Working memory constraints on syntactic ambiguity resolution as revealed by electrical brain responses. *Biological Psychology*, 47, 193-221.
68. Groß, J., Ioannides, A.A., Dammers, J., Maeß, B., Friederici, A.D. & Müller-Gärtner, H.-W. (1998).
Magnetic field tomography analysis of continuous speech. *Brain Topography*, 10, 273-281.
67. Hälbig, T.D., Mecklinger, A., Schriefers, H. & Friederici, A.D. (1998).
Double dissociation of processing temporal and spatial information in working memory of intact human subjects. *Neuropsychologia*, 36, 305-311.

66. Jescheniak, J.D., Hahne, A. & Friederici, A.D. (1998).
Brain activity patterns suggest prosodic influences on syntactic parsing in the comprehension of spoken sentences. *Music Perception*, 16, 55-62.
65. Schriefers, H., Friederici, A.D. & Rose, U. (1998).
Context effects in visual word recognition: Lexical relatedness and syntactic context. *Memory & Cognition*, 26, 1292-1303.

1997

64. Friederici, A.D. (1997).
Neurophysiological aspects of language processing. *Clinical Neuroscience*, 4, 64-72.
63. Mecklinger, A. & Friederici, A.D. (1997).
Elektrophysiologische Dissoziationen beim Einprägen abstrakter und konkreter Wörter. *Zeitschrift für experimentelle Psychologie*, 44, 62-81.
62. Mecklinger, A., Opitz, B. & Friederici, A.D. (1997).
Semantic aspects of novelty detection in humans. *Neuroscience Letters*, 235, 65-68.
61. Schubotz, R. & Friederici, A.D. (1997).
Electrophysiological correlates of temporal and spatial information processing. *NeuroReport*, 8, 1981-1986.
60. Steinhauer, K., Mecklinger, A., Friederici, A.D. & Meyer, M. (1997).
Wahrscheinlichkeit und Strategie: Eine EKP-Studie zur Verarbeitung syntaktischer Anomalien bei wechselnden Häufigkeiten. *Zeitschrift für experimentelle Psychologie*, 44, 305-331.

1996

59. Eulitz, C., Maess, B., Pantev, C., Friederici, A.D., Feige, B. & Elbert, T. (1996).
Oscillatory neuromagnetic activity induced by language and non-language stimuli. *Cognitive Brain Research*, 4, 121-132.
58. Friederici, A.D. (1996).
Auf der Suche nach den neuronalen Grundlagen der Sprache. *Berlin-Brandenburgische Akademie der Wissenschaften, Jahrbuch 1995* (pp. 151-168), Berlin: Akademieverlag.
57. Friederici, A.D. (1996).
Auf der Suche nach den neuronalen Grundlagen der Sprache. *Universitas*, 51, 583-596.
56. Friederici, A.D. (1996).
Autonomy of syntactic processing and the role of Broca's area. *Behavioral and Brain Sciences*, 19, 634-635.
55. Friederici, A.D. (1996).
Kognition und Kommunikation - Der Mensch in Netzen der Wissensvermittlung. *Nova Acta Leopoldina NF* 72, 294, 397-404.
54. Friederici, A.D. (1996).
Neurobiologische Grundlagen sprachlicher Repräsentation. *Zeitschrift für Semiotik*, 18, 251-264.

53. Friederici, A.D., Hahne, A. & Mecklinger, A. (1996).
 The temporal structure of syntactic parsing: Early and late event-related brain potential effects. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 22, 1219-1248.
52. Friederici, A.D. & Mecklinger, A. (1996).
 Syntactic parsing as revealed by brain responses: First-pass and second-pass parsing processes. *Journal of Psycholinguistic Research*, 25, 157-176.

1995

51. Emmorey, K., Bellugi, U., Friederici, A.D. & Horn, P. (1995).
 Effects of age of acquisition on grammatical sensitivity: Evidence from online and off-line tasks. *Applied Psycholinguistics*, 16, 1-23.
50. Friederici, A.D. (1995).
 The time course of syntactic activation during language processing: A model based on neuropsychological and neurophysiological data. *Brain and Language*, 50, 259-281.
49. Mecklinger, A., Schriefers, H., Steinhauer, K. & Friederici, A.D. (1995).
 Processing relative clauses varying on syntactic and semantic dimensions: An analysis with event-related potentials. *Memory and Cognition*, 23, 477-494.
48. Schriefers, H., Friederici, A.D. & Kühn, K. (1995).
 The processing of locally ambiguous relative clauses in German. *Journal of Memory and Language*, 34, 499-520.

1994

47. Friederici, A.D. (1994).
 Funktionale Organisation und Reorganisation der Sprache während der Sprachentwicklung: Eine Hypothese. *Neurolinguistik*, 8, 41-55.
46. Friederici, A.D. & Schriefers, H. (1994).
 The nature of semantic and morphosyntactic context effects on word recognition in young healthy and aphasic adults. *Linguistische Berichte, Special Issue*, 6, 9-32.
45. Jarema, G. & Friederici, A.D. (1994).
 Processing articles and pronouns in agrammatic aphasia: Evidence from French. *Brain and Language*, 46, 683-694.
44. Kilborn, K.W. & Friederici, A.D. (1994).
 Cognitive penetrability of syntactic priming in Broca's aphasia. *Neuropsychology*, 8, 83-90.
43. Mecklinger, A., Friederici, A.D. & Güssow, T. (1994).
 Confinement affects the detection of low frequency events: An event-related potential analysis. *Journal of Psychophysiology*, 8, 98-113.

1993

42. Friederici, A.D. (1993).
 Buchbesprechung von George A. Miller. Wörter. Streifzüge durch die Psycholinguistik. *Naturwissenschaften*, 80, 579-581.

41. Friederici, A.D., Pfeifer, E. & Hahne, A. (1993).
Event-related brain potentials during natural speech processing: Effects of semantic, morphological and syntactic violations. *Cognitive Brain Research*, 1, 183-192.
40. Friederici, A.D. & Wessels, J.M.I. (1993).
Phonotactic knowledge of word boundaries and its use in infant speech perception. *Perception & Psychophysics*, 54, 287-295.
39. Jusczyk, P.W., Friederici, A.D., Wessels, J.M.I., Svenkerud, V. & Jusczyk, A.M. (1993).
Infants' sensitivity to the sound patterns of native language words. *Journal of Memory and Language*, 32, 402-420.
38. Rösler, F., Pütz, P., Friederici, A. & Hahne, A. (1993).
Event-related brain potentials while encountering semantic and syntactic constraint violations. *Journal of Cognitive Neuroscience*, 5, 345-362.
37. Trahms, L., Erné, S.N., Stehr, R., Seibertz, E. & Friederici, A. (1993).
Multichannel magnetic recording of P300 activity. *Physiological Measurement*, 14, A85-A89.

1992

36. Friederici, A.D. (1992).
Natürliche Sprachverarbeitung: Funktionen und Dysfunktionen. *Künstliche Intelligenz*, 2, 13-19.
35. Friederici, A.D. & Frazier, L. (1992).
Thematic analysis in agrammatic comprehension: Syntactic structures and task demands. *Brain and Language*, 42, 1-29.
34. Friederici, A.D., Wessels, J., Emmorey, K. & Bellugi, U. (1992).
Sensitivity of inflectional morphology in aphasia: A real-time processing perspective. *Brain and Language*, 43, 747-763.
33. Schriefers, H., Friederici, A.D. & Graetz, P. (1992).
Inflectional and derivational morphology in the mental lexicon: Symmetries and asymmetries in repetition priming. *Quarterly Journal of Experimental Psychology, Section A: Human Experimental Psychology*, 44, 373-390.

1991

32. Frazier, L. & Friederici, A.D. (1991).
On deriving the properties of agrammatic comprehension. *Brain and Language*, 40, 51-66.
31. Friederici, A.D. (1991).
Book Review of J.E. Yamada, Laura: A Case for the Modularity of Language. *Language and Speech*, 34, 287-290.
30. Friederici, A.D. (1991).
Sprache und Gehirn. *Alfried Krupp-Förderpreis für junge Hochschullehrer*. Lüdenscheid: Maack, 24-25.
29. Friederici, A.D., Weissenborn, J., Lewandowski, C. & Stralka, R. (1991).
Über den Einfluß perzeptueller Defizite auf den Erwerb von Raumausdrücken. *Zeitschrift für Entwicklungspsychologie und Pädagogische Psychologie*, 23, 48-65.

28. Friederici, A.D., Weissenborn, J. & Kail, M. (1991).
Pronoun comprehension in aphasia: A comparison of three languages. *Brain and Language*, 41, 289-310.
27. Wessels, J.M.I. & Friederici, A.D. (1991).
Taalwerking bij jonge kinderen: Een onderzoek naar de invloed van fonetische en fonotactische informatie op het spraakproces bij prelinguistische kinderen. *Van Horen Zeggen*, 31, 43-50.

1990

26. Friederici, A.D. (1990).
On the properties of cognitive modules. *Psychological Research*, 52, 175-180.
25. Friederici, A.D. & Levelt, W.J.M. (1990).
Spatial reference in weightlessness: Perceptual factors and mental representations. *Perception & Psychophysics*, 47, 253-266.
24. Weissenborn, J., Kail, M. & Friederici, A.D. (1990).
Language particular or language independent factors in acquisition? Children's comprehension of object pronouns in Dutch, French and German. *First Language*, 10, 141-166.

1989

23. Friederici, A.D. & Kilborn, K. (1989).
Temporal constraints on language processing: Syntactic priming in Broca's aphasia. *Journal of Cognitive Neuroscience*, 1, 262-272.
22. Wulfeck, B., Bates, E., Juarez, L., Opie, M., Friederici, A.D., MacWhinney, B. & Zurif, E. (1989).
Pragmatics in aphasia: Crosslinguistic evidence. *Language and Speech*, 32, 315-336.

1988

21. Bates, E., Friederici, A.D. & Wulfeck, B.B. & Juarez, L.A. (1988).
On the preservation of word order in aphasia: Cross-linguistic evidence. *Brain and Language*, 33, 323-364.
20. Bates, E., Friederici, A.D. & Wulfeck, B. (1988).
Grammatical morphology in aphasia: A reply to Niemi et al. *Cortex*, 24, 583-598.
19. Friederici, A.D. (1988).
Agrammatic comprehension: Picture of a computational mismatch. *Aphasiology*, 2, 279-282.

1987

18. Bates, E., Friederici, A.D. & Wulfeck, B. (1987).
Comprehension in aphasia: A cross-linguistic study. *Brain and Language*, 32, 19-67.
17. Bates, E., Friederici, A.D. & Wulfeck, B. (1987).
Grammatical morphology in aphasia: Evidence from three languages. *Cortex*, 23, 545-574.
16. Friederici, A.D. & Furrer, R. (1987).
Wahrnehmung und Vorstellung von Raum. *Spektrum der Wissenschaften*, 2, 38-48.

15. Friederici, A.D. & Graetz, P.A.M. (1987).
Processing passive sentences in aphasia: Deficits and strategies. *Brain and Language*, 30, 93-105.
14. Friederici, A.D. & Levelt, W.J.M. (1987).
Resolving perceptual conflicts: The cognitive mechanism of spatial orientation. *Aviation, Space and Environmental Medicine*, 58, A164-A169.

1986 – 1976

13. Friederici, A.D. & Levelt, W.J.M. (1986).
Cognitive processes in spatial coordinate assignment: On weighting perceptual cues. *Naturwissenschaften*, 73, 455-458.
12. Friederici, A.D. (1985).
Levels of processing and vocabulary types: Evidence from online comprehension in normals and agrammatics. *Cognition*, 19, 133-166.
11. Friederici, A.D. (1985).
Vom Umgang mit Funktionswörtern während des Spracherwerbs. *Unterrichtswissenschaften*, 1, 17-29.
10. Kolk, H.H.J. & Friederici, A.D. (1985).
Strategy and impairment in sentence understanding by Broca's and Wernicke's aphasics. *Cortex*, 21, 47-67.
9. Friederici, A.D. (1984).
Psycholinguistic aspects of adult aphasia. *European Psycholinguistic Association Newsletter*, 8, 5-8.
8. Friederici, A.D. (1983).
Repräsentation und Verarbeitung von lexikalischer und syntaktischer Information: Psycholinguistische und neurolinguistische Evidenz. *Linguistische Berichte*, 85, 49-63.
7. Friederici, A.D. (1983).
Aphasics' perception of words in sentential context: Some real-time processing evidence. *Neuropsychologia*, 21, 351-358.
6. Friederici, A.D. (1983).
Children's sensitivity to function words during sentence comprehension. *Linguistics*, 21, 717-739.
5. Friederici, A.D. (1982).
Syntactic and semantic processes in aphasic deficits: The availability of prepositions. *Brain and Language*, 15, 249-258.
4. Friederici, A.D., Schoenle, P.W. & Garrett, M.F. (1982).
Syntactically and semantically based computations: Processing of prepositions in agrammatism. *Cortex*, 18, 525-534.
3. Friederici, A.D. (1981).
Production and comprehension of prepositions in aphasia. *Neuropsychologia*, 19, 191-199.
2. Friederici, A.D., Schoenle, P.W. & Goodglass, H. (1981).
Mechanisms underlying writing and speech in aphasia. *Brain and Language*, 13, 212-222.

1. Friederici, A.D. & Schoenle, P.W. (1980). Computational dissociation of two vocabulary types: Evidence from aphasia. *Neuropsychologia*, 18, 11-20.

B. Book Chapters

in press

99. **Kotz, S.A., Frisch, S. & Friederici, A.D.** (in press). Neural correlates of neurotypical and pathological language processing. In M.J. Ball, N. Müller & E. Spencer (Eds.), *The Handbook of Clinical Linguistics, Second Edition* (pp. XXX-XXX), John Wiley & Sons Ltd.

2021

98. **Kinno, R., Chang, E. & Friederici, A.D.** (2021). Syntax. In E. Mandonnet & G. Herbet, G. (Eds.), *Intraoperative Mapping of Cognitive Networks. Which Tasks for Which Locations* (pp. 155-170). Springer.

2019

97. **Friederici, A.D. & Brauer, J.** (2019). Neural basis of language acquisition. In J.S. Horst & J. von Koss Torkildsen (Eds.), *International Handbook on Language Acquisition (Routledge International Handbooks)* (pp. 20-32). Routledge.

2017

96. **Skeide, M.A. & Friederici, A.D.** (2017). Neurolinguistic studies of sentence comprehension. In H. Smith Cairns & E.M. Fernández (Eds.), *The Handbook of Psycholinguistics* (pp. 438-456). Hoboken, NJ: John Wiley & Sons, Inc.

2016

95. **Friederici, A.D.** (2016). The neuroanatomical pathway model of language: Syntactic and semantic networks. In S.L. Small & G. Hickok (Eds.), *Neurobiology of Language* (pp. 349-356). Elsevier Press.

2015

94. **Friederici, A.D.** (2015). White matter pathways for speech and language processing. In G.G. Celesia & G. Hickok (Eds.), *The Human Auditory System, Volume 129: Fundamental Organization and Clinical Disorders (Handbook of Clinical Neurology)* (pp. 177-186). San Diego: Elsevier.
93. **Friederici, A.D. & Skeide, M.** (2015). Neurocognition of Language Development. In E.L. Bavin & Naigles, L.R. (Eds.), *The Cambridge Handbook of Child Language, 2nd Edition* (pp. 61-88). New York: Cambridge University Press.
92. **Meyer, L. & Friederici, A.D.** (2015). Neural systems underlying the processing of complex sentences. In S.L. Small & G. Hickok (Eds.), *Neurobiology of Language* (pp. 597-606). Elsevier Press.
91. **Mueller, J.L., Männel, C. & Friederici, A.D.** (2015). Biological preconditions for language development. In J.D. Wright (Ed.), *International Encyclopedia of the Social & Behavioral Sciences, 2nd Edition, Volume 2* (pp. 650-655). Oxford: Elsevier Press.

90. Zaccarella, E. & Friederici, A.D. (2015).
Syntax in the Brain. In A.W. Toga (Ed.), *Brain Mapping: An Encyclopedic Reference, Volume 3* (pp. 461-468). Academic Press: Elsevier.

2014

89. Friederici, A. D. (2014).
Is there a brain basis of recursion? In F. Lowenthal, & L. Lefebvre (Eds.), *Language and Recursion* (pp. 101-113). New York, USA: Springer.
88. Friederici, A. D., & Männel, C. (2014).
Neural correlates of the development of speech perception and comprehension. In K. N. Ochsner, & S. M. Kosslyn (Eds.), *The Oxford Handbook of Cognitive Neuroscience* (pp. 171-192). New York, USA: Oxford University Press.

2013

87. Friederici, A.D. (2013).
Neurobiologische Grundlagen der Sprachentwicklung. In C. Kieferle, E. Reichert-Garschhammer, & F. Becker-Stoll (Eds.), *Sprachliche Bildung von Anfang an –Strategien, Konzepte und Erfahrungen* (pp. 74-82). Göttingen: Vandenhoeck & Ruprecht.

2011

86. Friederici, A. D. (2011).
Den Bär schubst der Tiger - Wie Sprache im Gehirn entsteht. In T. Bonhoeffer, & P. Gruss (Eds.), *Zukunft Gehirn* (pp. 106-120). Munich, Germany: C.H.Beck.

2009

85. Fedor, A., Pléh, C., Brauer, J., Caplan, D., Friederici, A.D., Gulyás, B., Hagoort, P., Nazir, T., & Singer, W. (2009).
What are the brain mechanisms underlying syntactic operations? In: Bickerton, D. & Szathmáry, E. (Eds.), *Biological Foundations and Origin of Syntax*. Strüngmann Forum Reports, Volume 3 (pp. 299-324). Cambridge, MA: MIT Press.
84. Friederici, A.D. (2009).
Brain circuits of syntax. In: Bickerton, D. & Szathmáry, E. (Eds.), *Biological Foundations and Origin of Syntax*. Strüngmann Forum Reports, Volume 3 (pp. 239-252). Cambridge, MA: MIT Press.
83. Friederici, A.D. (2009).
Language and the Brain. In Piattelli-Palmarini, M., Uriagereka, J. & Salaburu, P. (Eds.), *Of Minds and Language. A Dialogue with Noam Chomsky in the Basque Country* (pp.352-377). Oxford University Press.
82. Friederici, A.D. (2009).
Neurocognition of Language Development. In: E. Bavin (Ed.), *The Cambridge Handbook of Child Language* (pp. 51-67). New York: Cambridge University Press.
81. Friederici, A.D. (2009).
The Brain Differentiates Hierarchical and Probabilistic Grammars. In: Piattelli-Palmarini, M., Uriagereka, J. & Salaburu, P. (Eds.), *Of Minds and Language. A Dialogue with Noam Chomsky in the Basque Country* (pp. 184-194). Oxford University Press.

80. Friederici, A.D. & Brauer, J. (2009). Syntactic complexity in the brain. In Givon, T. & Shibatani, M. (Eds.). *Syntactic Complexity: Diachrony, Acquisition, Neurocognition, Evolution (Typological Studies in Language)* (pp. 491-506). Amsterdam: John Benjamins.
79. Neuhaus, C., Knösche, T.R. & Friederici, A.D. (2009). Similarity and repetition – An ERP study on musical form perception. In S. Dalla Bella, et al. (Eds.), *The Neurosciences and Music III: Disorders and Plasticity* (Annals of the New York Academy of Sciences, Vol. 1169, pp. 485 - 489). New York: Wiley-Blackwell.

2008

78. Friederici, A.D. (2008). Gehirnkorrelate sprachlicher Verarbeitungsprozesse in den ersten Lebensjahren. In: Fink, H. & Rosenzweig, R. (Eds.), *Neuronen im Gespräch – Sprache und Gehirn*, pp. 185-206. Paderborn: Mertis Verlag GmbH.
77. Friederici, A.D. (2008). Sprache und Gehirn. In: Kämper, H. & Eichinger, L.M. (Eds.), *Institut für Deutsche Sprache Jahrbuch 2007, Sprache – Kognition – Kultur. Sprache zwischen mentaler Struktur und kultureller Prägung* (pp. 51-72), Berlin: Walter de Gruyter.
76. Friederici, A.D. (2008). Marqueurs neurophysiologiques de l'acquisition précoce du language: des syllable aux énoncés.¹ In M. Kail, M. Fayol & M. Hickmann (Eds.) *Apprentissage des langues premières et secondes* (pp. 79-100), Paris : CNRS Editions.
75. Friederici, A.D. (2008). Sprache, Musik und Mathematik. In: Ganten, D., Gerhardt, V., Heilinger, J.-C. & Nida-Rümelin, J. (Eds.), *Was ist der Mensch? Humanprojekt 3, Interdisziplinäre Anthropologie*. Im Auftrag der Berlin-Brandenburgische Akademie der Wissenschaften. Berlin/New York: Walter de Gruyter.
74. Friederici, A.D. (2008). Brain correlates of language processing during the first years of life. In: Nelson, C.A. & Luciana, M. (Eds.), *Handbook of Developmental Cognitive Neuroscience*, 2nd Edition (pp. 117-126), Cambridge, MA: MIT Press.
73. Friederici, A.D. & Oberecker, R. (2008). The development of syntactic brain correlates during the first years of life. In: Friederici, A.D. & Thierry, G. (Eds.), *Early Language Development: Bridging brain and behaviour. (Series: Trends in Language Acquisition Research (TiLAR), Volume 5, pp. 215-231)*. Amsterdam/Philadelphia: John Benjamins.
72. Friederici, A.D. & Rüschemeyer, S.-A. (2008). Gehirn und Spracherwerb: Biologische und kulturelle Implikationen.² In: G. Blanken & Ziegler, W. (Eds.), *Neurolinguistik. Zeitschrift für Aphasielorschung und –therapie*, 22(2), 114-132. Hochschulverlag: Mainz.

¹ Translated from: Friederici, A.D. (2005). Neurophysiological markers of early language acquisition: from syllables to sentences. *Trends in Cognitive Sciences*, 9, 481-488.

² English Original Version published in: Baltes, P.B., Reuter-Lorenz, P. & Rösler, F. (Eds.) *Lifespan Development and the Brain: The Perspective of Biocultural Co-Constructivism*. New York: Cambridge University Press.

71. Frisch, S., Kotz, S.A. & Friederici, A.D. (2008). Neural correlates of normal and pathological language processing. In M.J. Ball, M. Perkins, N. Müller & S. Howard (Eds.), *The Handbook of Clinical Linguistics* (pp. 245-260), Blackwell Publishers.
70. Männel, C. & Friederici, A.D. (2008). Event-related brain potentials as a window to children's language processing: From syllables to sentences. In: Irina A. Sekerina, Eva M. Fernández, and Harald Clahsen (Eds.), *Developmental Psycholinguistics. On-line Methods in Children's language Processing* (Language Acquisition and Language Disorders (LALD), Vol. 44, pp. 29-72), Amsterdam/Philadelphia: John Benjamins.
69. Thierry, G. & Friederici, A.D. (2008). Introduction to early language development. Bridging brain and behaviour. In: Friederici, A.D. & Thierry, G. (Eds.), *Early Language Development: Bridging brain and behaviour. (Series: Trends in Language Acquisition Research (TiLAR), Volume 5, pp. XI-XIV)*, Amsterdam/Philadelphia: John Benjamins.

2007

68. Bornkessel, I.D. & Friederici, A.D. (2007). Neuroimaging studies of sentence and discourse comprehension. In M.G. Gaskell (Ed.), *The Oxford Handbook of Psycholinguistics* (pp. 407-424), Oxford: Oxford University Press.
67. Friedrich, M., Oberecker, R. & Friederici, A.D. (2007). Ereigniskorrelierte Potentiale bei Kindern. In L. Kaufmann, H.-C. Nuerk, K. Konrad & K. Willmes (Eds.), *Kognitive Entwicklungsneuropsychologie* (Vol. 2, pp. 84-100), Göttingen: Hogrefe Verlag.

2006

66. Friederici, A.D. (2006). The neural basis of sentence processing: Inferior frontal and temporal contributions. In Y. Grodzinsky & K. Amunts (Eds.), *Broca's Region*. Oxford: Oxford University Press, p.196-217.
65. Friederici, A.D. (2006). Neurobiologische Grundlagen der Sprache. In H.-O. Karnath & P. Thier (Eds.) *Neuropsychologie*, 2. Aufl. (pp. 346-355), Heidelberg: Springer.
64. Friederici, A.D. & Rüschemeyer, S.A. (2006). Language acquisition: Biological versus cultural implications for brain structure. In P.B. Baltes, P. Reuter-Lorenz & F. Rösler (Eds.), *Lifespan Development and the Brain: The Perspective of Biocultural Co-Constructivism* (pp. 161-182), New York: Cambridge University Press.
63. Penner, Z., Weissenborn, J. & Friederici, A.D. (2006). Sprachentwicklung. In: H.-O. Karnath & P. Thier (Eds.) *Neuropsychologie*, 2. Aufl. (pp. 632-639), Berlin/Heidelberg/New York: Springer.

2005

62. **Besson, M. & Friederici, A.D.** (2005). Language and Music – A comparison. Introduction. In Avanzini, G., Lopez, L., Koelsch, S., Majno, M. (Eds.). *The Neurosciences and Music II. From Perception to Performance. Annals of the New York Academy of Sciences, Volume 1060*, pp. 57-58.
61. **Friederici, A.D. & Ungerleider, L.G.** (2005). Cognitive Neuroscience (Editorial Overview). *Current Opinion in Neurobiology*, 15, 131-134.
60. **Jentschke, S., Koelsch, S. & Friederici, A.D.** (2005). Investigating the relationship of music and language in children: Influences of musical training and language impairment. In Avanzini, G., Lopez, L., Koelsch, S., Majno, M. (Eds.). *The Neurosciences and Music II. From Perception to Performance. Annals of the New York Academy of Sciences, Volume 1060*, pp. 231-242.
59. **Knösche, T.R., Maess, B., Nakamura, A. & Friederici, A.D.** (2005). Human communication investigated with magnetoencephalography – Speech, music, and gestures. In H. Preissl (Ed.), *Magnetoencephalography*, 68, Series: *International Review of Neurobiology* (pp. 79-120), San Diego, CA: Elsevier.

2004

58. **Fiebach, C.J., Schlesewsky, M., Bornkessel, I.D. & Friederici, A.D.** (2004). Distinct neural correlates of legal and illegal word-order variations in German: How can fMRI inform cognitive models of sentence processing? In M. Carreiras & C.E. Clifton Jr. (Eds.), *The On-Line Study of Sentence Comprehension: Eyetracking, ERPs and Beyond* (pp. 357-370). New York: Psychology Press.
57. **Friederici, A.D.** (2004). The neural basis of syntactic processes. In M.S. Gazzaniga (Ed.), *The Cognitive Neurosciences III* (pp. 789-801). Cambridge, MA: MIT Press.

2003

56. **Friederici, A.D., Schlesewsky, M. & Fiebach, C.J.** (2003). Wh-movement vs. scrambling: the brain makes a difference. In S. Karimi (Ed.), *Word Order and Scrambling* (pp. 325-367), Boston: Blackwell.
55. **Pannekamp, A., Toepel, U., Hahne, A. & Friederici, A.D.** (2003). The brain's response to hummed sentences. In M.-J. Solé, D. Recasens & J. Romero (Eds.), *Proceedings of the 15th International Congress of Phonetic Sciences*, Barcelona, 3-9 August (pp. 877-879), Adelaide, Australia: Causal Productions.
54. **Schlesewsky, M. & Friederici, A.D.** (2003). Sentence processing: Mechanisms. In L. Nadel (Ed.). *Encyclopedia of Cognitive Science*. (pp. 1149-1155), London: Macmillan Reference Ltd.

2002

53. **Alter, K., Meyer, M., Steinhauer, K., Friederici, A.D. & von Cramon, D.Y.** (2002). Brain responses related to prosodic information in natural speech: An event-related fMRI study. In R. Rapp (Ed.), *Sprachwissenschaft auf dem Weg in das dritte Jahrtausend. Linguistics on the way into the third millennium. Part II: Language, Computer, and Society* (pp. 21-26), Frankfurt: Peter Lang.

52. Friederici, A.D. (2002). Neurobiologische Grundlagen der Sprache. In H.-O. Karnath & P. Thier (Eds.) *Neuropsychologie*. (pp. 367-377), Heidelberg: Springer.
51. Friederici, A.D. (2002). Sprache. In: H. Kettenmann & M. Gibson (Eds.), *Kosmos Gehirn*, 2. Aufl. (pp. 62-63), Bernau: Druckerei Blankenburg.
50. Friederici, A.D. (2002). Sprache und Gehirn – Zur Neurobiologie der Sprachverarbeitung. In: Universität Kaiserslautern (Ed.), *Visionen* (pp. 63-75), Universität Kaiserlautern: Foto-Repro-Druck.
49. Friederici, A.D. & Lachmann, T. (2002). From language to reading and reading disability. In: E. Witruk, A.D. Friederici & T. Lachmann (Eds.), *Basic functions of language, reading and reading disability* (pp. 9-22), Dordrecht: Kluwer Academic Publishers.
48. Penner, Z., Weissenborn, J. & Friederici, A.D. (2002). Sprachentwicklung. In: H.-O. Karnath & P. Thier (Eds.) *Neuropsychologie* (pp. 677-684), Berlin/Heidelberg/New York: Springer.

2001

47. Clahsen, H. & Friederici, A.D. (2001). Sprachverlust. In G. Holthaus & M. Metzeltin (Eds.), *Lexikon der Romanistischen Linguistik* (pp. 63-69), Tübingen: Niemeyer.
46. Friederici, A.D. (2001). Event-related brain potentials and aphasia. In R.S. Berndt (Ed.), *Language and Aphasia. Handbook of Neuropsychology*, 2nd Edition, Vol. 3 (pp. 353-373), Amsterdam: Elsevier.
45. Friederici, A.D. (2001). Neural basis of syntactic aspects of language. In: J. L. McClelland (Section-Editor) *International Encyclopedia of the Social and Behavioral Sciences*, Vol. 23 (pp. 15392-15397), Oxford: Elsevier.
44. Friederici, A.D. (2001). Vom Hören zum Verstehen: Neuronale Grundlagen der Sprachverarbeitung. In E.-L. Winnacker (Ed.), *Unter jedem Stein liegt ein Diamant: Struktur-Dynamik-Evolution*, GDNÄ 121. (pp. 113-119), Stuttgart: S. Hirzel Verlag.
43. Friederici, A.D. & Hahne, A. (2001). Developmental patterns of brain activity for semantic and syntactic processes. In: B. Höhle & J. Weissenborn (Eds.), *Approaches to Bootstrapping in Early Language Development*. (pp. 231-246), Amsterdam-Philadelphia: John Benjamins.
42. Lattner, S., Maess, B., Wang, Y., Friederici, A.D. & Alter, K. (2001). Human auditory processing of pitch-altered speech. In W. A. van Dommelen & T. Fretheim (Eds.), *Nordic Prosody. Proceedings of the 8th Conference, Trondheim 2000* (pp. 165-171), Frankfurt am Main: Peter Lang.

2000

41. Friederici, A.D. (2000). Sprache und Gehirn: Zur Neurobiologie der Sprachverarbeitung. In: N. Elsner & G. Lüer (Eds.) *Das Gehirn und sein Geist* (pp. 71-85), Göttingen: Wallstein.
40. Friederici, A.D. (2000). The neuronal dynamics of auditory language comprehension. In Y. Miyashita, A. P. Marantz & W. O'Neil (Eds.), *Image, Language, Brain* (pp.127-148), Cambridge, MA: MIT Press.
39. Friederici, A.D. & Hahne, A. (2000). Neurokognitive Aspekte der Sprachentwicklung. In H. Grimm (Ed.), *Enzyklopädie der Psychologie: Sprache. Vol. 3: Sprachentwicklung* (pp. 273-310), Göttingen: Hogrefe.
38. Gruenewald, C., Mecklinger, A. & Friederici, A.D. (2000). Segregating Semantic from Phonological Codes in Working Memory: A Dual Task Interference Approach. In E. Schröger, A. Mecklinger & A.D. Friederici (Eds.) *Working on working memory: Leipzig Series in Cognitive Sciences 1* (pp. 61-78), Leipzig: Leipziger Universitätsverlag.

1999

37. Friederici, A.D. (1999). The neurobiology of language comprehension. In A.D. Friederici (Ed.), *Language Comprehension: A Biological Perspective*, 2nd edition (pp. 265-304), Berlin/Heidelberg/New York: Springer.
36. Friederici, A.D. & von Cramon, D.Y. (1999). Neurobiologische Grundlagen des Sprachverständens, In N. Birbaumer, D. Frey, J. Kuhl, W. Prinz & F. Weinert (Eds.), *Enzyklopädie der Psychologie, Vol. C/ III/ 2: A.D. Friederici (Ed.), Sprachrezeption* (pp. 307-349), Göttingen: Hogrefe.
35. Gunter, T.C., Vos, S.H. & Friederici, A.D. (1999). Memory or aging that's the question: An electrophysiological perspective on language. In S. Kemper & R. Kliegl (Eds.), *Constraints on language: Memory, Aging, and Grammar* (pp. 249-282), Norwell, Mass.: Kluwer Academic Publishers.
34. Hahne, A. & Friederici, A.D. (1999). Rule-application during language comprehension in the adult and the child. In A.D. Friederici & R. Menzel (Eds.), *Learning: Rule Extraction and Representation* (pp. 71-88), Berlin/New York: de Gruyter.
33. Schubotz, R. & Friederici, A.D. (1999). Memory for Time: Separating temporal from spatial information processing. In A.D. Friederici & R. Menzel (Eds.), *Learning: Rule extraction and representation* (pp. 215-239), Berlin/New York: de Gruyter.

1998

32. Friederici, A.D. (1998). Wissensrepräsentation und Sprachverständen. In F. Klix & H. Spada (Eds.), *Enzyklopädie der Psychologie. Serie II, Kognition, Band 6, Wissen* (pp. 249-273), Göttingen: Hogrefe.

31. Alter, K., Matiasek, J., Steinhauer, K., Pirker, H. & Friederici, A.D. (1998). Exploiting syntactic dependencies for German prosody: Evidence from speech production and perception. In B. Schröder, W. Lenders, W. Hess & T. Portele (Eds.), *Computers, Linguistics, and Phonetics between Language and Speech* (pp. 141-152), Frankfurt: Peter Lang.
30. Friederici, A.D. (1998). Diagnosis and reanalysis: Two processing aspects the brain may differentiate. In J. Fodor & F. Ferreira (Eds.), *Reanalysis in Sentence Processing* (pp. 177-200), Dordrecht: Kluwer.
29. Friederici, A.D. (1998). The neurobiology of language comprehension, In A.D. Friederici (Ed.), *Language Comprehension: A Biological Perspective* (pp. 263-301). Berlin/Heidelberg/New York: Springer.
28. Friederici, A.D. (1998). Learning syntax: From syntactic preferences to syntactic rules? In N. Dittmar & Z. Penner (Eds.), *Issues in the Theory of Language Acquisition. Essays in Honor of Jürgen Weissenborn* (pp.135-142), Bern: Peter Lang.

1997

27. Friederici, A.D. (1997). Menschliche Sprachverarbeitung und ihre neuronalen Grundlagen. In H. Meier & D. Ploog (Eds.), *Der Mensch und sein Gehirn* (pp. 137-156), München: Piper.

1996

26. Friederici, A.D. (1996). The temporal organization of language: Developmental and neuropsychological aspects. In B.M. Velichkovsky & D.M. Rumbaugh (Eds.), *Communicating Meaning - The Evolution and Development of Language* (pp. 173-186), Mahwah, N. J.: Lawrence Erlbaum.
25. Mecklinger, A., Friederici, A.D. & Hahne, A. (1996). Syntaktische Prozesse beim Sprachverstehen: Neurophysiologische und funktionale Aspekte. In W. Widdig, I. Ohlendorf & T.A. Pollow (Eds.), *Aphasietherapie im Wandel, 3. Band der Bonn-Bochumer Beiträge zur Neuropsychologie und Neurolinguistik* (pp. 123-137), Freiburg: HochschulVerlag.

1995

24. Mecklinger, A., Friederici, A.D. & Güssow, T. (1995). Attention and mental performance in confinement: Evidence from cognitive psychophysiology. In S.L. Bouting (Ed.), *Advances in Space Biology and Medicine, Vol. 5* (pp. 183-200), Greenwich, Connecticut: JAI Press.

1994

23. Friederici, A.D. (1994). Arnold Pick. In P. Eling (Ed.), *Reader in the History of Aphasia* (pp. 255-259), Amsterdam: John Benjamins.
22. Friederici, A.D. (1994). Informationsverarbeitung im menschlichen Gehirn. In H. Kurz (Ed.), *Informationstechniken in der Wissenschaft* (pp. 33-38), Lüdenscheid: Maack.

21. Friederici, A.D. (1994). Gehirn und Sprache: Neurobiologische Grundlagen der Sprachverarbeitung. In S. Krämer (Ed.), *Geist-Gehirn-Künstliche Intelligenz* (pp. 113-130), Berlin: De Gruyter.
20. Friederici, A.D. (1994). Zeitliche Aspekte der Sprachverarbeitung und Broca-Aphasie. In I. Ohlendorf, T., Pollow, W. Widdig & D. Linke (Eds.), *Sprache und Gehirn. Grundlagenforschung für die Aphasietherapie* (pp. 137-146), Freiburg: HochschulVerlag.
19. Friederici, A.D. (1994). Sprechen lernen und Sprechen können. Neuropsychologische Befunde zur Entwicklung und zum Verlust von sprachlichen Leistungen. In F. Rösler & I. Florin (Eds.), *Psychologie und Gesellschaft* (pp. 59-71), Stuttgart: Wissenschaftliche Verlagsgesellschaft.

1993 – 1991

18. Friederici, A.D. (1993). The development of language relevant processing systems: The emergence of a cognitive module: In B. de Boysson-Bardies, P. Jusczyk, P. MacNeilage, J. Morton & S. de Schonen (Eds.), *Developmental neurocognition: Speech and face processing in the first year of the life* (pp. 451-459), Dordrecht: Kluwer Academic Publishers.
17. Friederici, A.D. (1993). Über die Eigenschaften kognitiver Module. In H. Hildebrandt & E. Scheerer (Eds.), *Interdisziplinäre Perspektiven der Kognitionsforschung* (pp. 49-63), Frankfurt/Main: Peter Lang.
16. Friederici, A.D. & Furrer, R. (1993). Human adaptation to weightlessness: Sensory and cognitive aspects. In P.R. Sahm, M.H. Keller & B. Schiewe (Eds.), *Research in Space: The German Spacelab Missions* (pp. 217-226), Köln: Wissenschaftliche Projektführung D-2, DLR.
15. Friederici, A.D. & Saddy, D. (1993). Disorders of word class processing in aphasia. In G. Blanken, J. Dittmann, H. Grimm, J.C. Marshall & C.W. Wallesch (Eds.), *Linguistic Disorders and Pathologies* (pp. 169-181), Berlin: De Gruyter.
14. Wilbertz, A., Cholewa, J., Huber, W. & Friederici, A.D. (1991). Processing of prepositions as reflected by gaze duration. In R. Schmid & D. Zambarbieri (Eds.), *Oculomotor Control in Cognitive Processes: Normal and Pathological Aspects* (pp. 353-368), Amsterdam: Elsevier.

1989

13. Friederici, A.D. (1989). Raumreferenz unter extremen perzeptuellen Bedingungen: Perzeption, Repräsentation und sprachliche Abbildung. In Ch. Habel, M. Herweg & K. Rehkämper (Eds.), *Raumkonzepte in Verstehensprozessen* (pp. 17-36), Tübingen: Niemeyer.
12. Friederici, A.D., Schriefers, H. & Graetz, P. (1989). Abruf und Repräsentation morphologisch komplexer Wörter verschiedener Wortklassen. In H. Günther (Ed.), *Mentale Repräsentation und Verarbeitung morphologisch komplexer Wörter* (pp. 41-70), Hamburg: Buske.

11. **Graetz, P.A.M., Friederici, A.D. & Schriefers, H.** (1989).
Das Erkennen flektierter Wörter bei Aphasie. In H. Günther (Ed.), *Mentale Repräsentation und Verarbeitung morphologisch komplexer Wörter* (pp. 93-122), Hamburg: Buske.

1988

10. **Friederici, A.D.** (1988).
Neurobiologische Grundlagen kognitiver Funktionen. In H. Mandl & H. Spada (Eds.), *Wissenspsychologie: Eine Einführung* (pp. 469-487), München: Urban & Schwarzenberg.
9. **Friederici, A.D.** (1988).
Autonomy and automaticity: Accessing function words during sentence comprehension. In G. Denes, C. Semenza, P. Bisiacchi & E. Andreevsky (Eds.), *Perspective in Neuropsychology* (pp. 115-133), Hillsdale, N.J.: Lawrence Erlbaum.
8. **Friederici, A.D. & Levelt, W.J.M.** (1988).
Sprache. In K. Immelmann, K.R. Scherer, Ch. Vogel & P. Schmoock (Eds.), *Psychobiologie. Grundlagen des Verhaltens* (pp. 648-671), Stuttgart: Gustav Fischer.

1987

7. **Friederici, A.D. & Levelt, W.J.M.** (1987).
Sprache. In K. Immelmann, K. Scherer & Ch. Vogel (Eds.), *Funkkolleg Psychobiologie* (pp. 58-87), Weinheim: Beltz.
6. **Friederici, A.D. & Levelt, W.J.M.** (1987).
Spatial description in micro-gravity: Aspects of cognitive adaptation. In P.R. Sahm, R. Jansen & M.H. Keller (Eds.), *Scientific Results of the German Spacelab Mission D1* (pp. 518-524), Köln: DFVLR.

1986 - 1976

5. **Friederici, A.D. & Levelt, W.J.M.** (1986).
Spatial description in space: Aspects of cognitive adaptation. In R. Jansen & M.H. Keller (Eds.), *Scientific Results of the German Spacelab Mission D1* (pp. 127-131), Mühlheim: Thierbach.
4. **Friederici, A.D.** (1985).
Cognitive behavior in micro-gravity. In P.R. Sahm & R. Jansen (Eds.), *Scientific Goals of the German Spacelab Mission D1* (pp. 217-219), Mühlheim: Thierbach.
3. **Friederici, A.D.** (1984).
Die Entwicklung syntaktischer Verarbeitungsprozesse im Sprachverständnis beim Kind. In H. Kenn, J. Niemeyer & U. Eberhardt (Eds.), *Sprache und Gesellschaft* (pp. 118-129), Tübingen: Niemeyer.
2. **Peuser, G. & Friederici, A.D.** (1977).
'Fehlerindex' und 'ESPA' Analyse. In H.W. Viehten, W.-D. Bald & K. Sprengel (Eds.), *Grammatik und interdisziplinäre Bereiche der Linguistik* (pp. 357-366), Tübingen: Niemeyer.
1. **Friederici, A.D.** (1976).
Graphic and oral performance in aphasia. In G. Nickel (Ed.), *Proceedings of the Fourth International Congress of Applied Linguistics* (pp. 589-597), Stuttgart: HochschulVerlag.

C. Books & Special Issues

18. Friederici, A.D. (2017).
Language in our brain. The origins of a uniquely human capacity. Cambridge, MA: MIT Press.
17. Fitch, W.T., Friederici, A.D. & Hagoort, P. (Eds.) (2012).
Pattern perception and computational complexity. *Theme Issue of the Philosophical Transactions of the Royal Society B*, Volume 367. Royal Society Publishing.
16. Friederici, A.D., Scharff, C. & Petrides, M. (Eds.) (2011).
Neurobiology of human language and its evolution: Primate and Nonprimate Perspectives. *Frontiers Research Topic in Frontiers in Evolutionary Neuroscience*.
15. Friederici, A.D. & Thierry, G. (Eds.) (2008).
Early Language Development: Bridging Brain and Behaviour. Series "Trends in Language Acquisition Research" (TiLAR), Volume 5. Amsterdam/Philadelphia: John Benjamins.
14. Bornkessel, I.D., Schlesewsky, M., Comrie, B. & Friederici, A.D. (Eds.) (2006).
Semantic Role Universals and Argument Linking: Theoretical, Typological and Psycholinguistic Perspectives. Mouton de Gruyter: Berlin, New York.
13. Friederici, A.D. & Ungerleider, L.G. (Eds.) (2005).
Cognitive Neuroscience. *Current Opinion in Neurobiology*, 15, 2. London, UK: Elsevier.
12. Widmann, A., Schröger, E., Jacobsen, T., Gruber, T., Müller, M.M., Jescheniak, J., Friederici, A.D., Gunter, T.C. & Herrmann, C.S. (Eds.) (2004).
Evoked Potentials International Conference. *Leipzig Series in Cognitive Sciences* 5. Leipzig: Leipziger Universitätsverlag.
11. Witruk, E., Friederici, A.D. & Lachmann, T. (Eds.) (2002).
Basic Functions of Language, Reading and Reading Disability. Dordrecht: Kluwer Academic Publishers.
10. Friederici, A.D., Hickok, G. & Swinney, D. (Eds.) (2001).
Brain Imaging and Sentence Processing. *Journal of Psycholinguistic Research, Special Issue*, 30. New York: Kluwer Academic/Plenum Publishers.
9. Schröger, E., Mecklinger, A. & Friederici, A.D. (Eds.) (2000).
Working on Working Memory. *Leipzig Series in Cognitive Sciences* 1. Leipzig: Leipziger Universitätsverlag.
8. Friederici, A.D. (Ed.) (1999).
Sprachrezeption. Enzyklopädie der Psychologie, Vol. C/III/2. Göttingen: Hogrefe.
7. Friederici, A.D., Garrett, M. F. & Jacobsen, Th. (Eds.) (1999).
Processing of Grammatical Gender, Part 1. *Special Issue, Journal of Psycholinguistic Research*, 28, 5. New York: Kluwer Academic/Plenum Publishers.
6. Friederici, A.D., Garrett, M. F. & Jacobsen, Th. (Eds.) (1999).
Processing of Grammatical Gender, Part 2. *Special Issue, Journal of Psycholinguistic Research*, 28, 6. New York: Kluwer Academic/Plenum Publishers.
5. Friederici, A.D. & Menzel, R. (Eds.) (1999).
Learning: Rule Extraction and Representation. Berlin/New York: De Gruyter.

4. Friederici, A.D. (Ed.) (1998), 2nd Edition (1999).
Language Comprehension: A Biological Perspective. Berlin/Heidelberg/New York: Springer.
3. Besson, M. & Friederici, A.D. (Eds.) (1998).
Language and Music Processing. *Music Perception, Special Issue*. Berkeley: University of California Press.
2. Friederici, A.D. (1987).
Kognitive Strukturen des Sprachverstehens. Berlin/Heidelberg: Springer.
1. Friederici, A.D. (1984).
Neuropsychologie der Sprache. Stuttgart: Kohlhammer.