

## List of Publications

### A. Articles in peer-reviewed journals

2021

504. **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*. doi: 10.1002/hbm.25432
503. **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.
502. **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
501. **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
500. **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
499. **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

498. **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
497. **Chien, P.-J., Friederici, A.D., Hartwigsen, G. & Sammler, D.** (2020). Intonation processing increases task-specific fronto-temporal connectivity in tonal language speakers. *Human Brain Mapping*. doi: 10.1002/hbm.25214
496. **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.
495. **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
494. **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.

493. **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.
492. **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.
491. **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.
490. **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
489. **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.
488. **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
487. **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
486. **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
485. **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*. Advance online publication. doi: 10.1016/j.neuroimage.2019.116321
484. **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.
483. **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*. doi: 10.1002/hbm.25254
482. **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.

481. **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
480. **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.
479. **Cafiero, R., Brauer, J., Anwender, 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.
478. **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
477. **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
476. **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
475. **Kroczyk, 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.
474. **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.
473. **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
472. **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.
471. **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
470. **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.

469. **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.
468. **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.
467. **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

466. **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
465. **Friederici, A.D.** (2018).  
The neural basis for human syntax: Broca's area and beyond. *Current Opinion in Behavioral Sciences*, 21, 88-92.
464. **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.
463. **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.
462. **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.
461. **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.
460. **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.
459. **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.
458. **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.

457. **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
456. **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.
455. **Friederici, A.D.** (2017). Evolution of the neural language network. *Psychonomic Bulletin and Review*, 24(1), 41-47.
454. **Friederici, A.D.** (2017). Neurobiology of syntax as the core of human language. *Biolinguistics*, 11, SI: 325-337.
453. **Friederici, A.D., Chomsky, N., Berwick, R.C., Moro, A., & Bolhuis, J.J.** (2017). Language, mind and brain. *Nature Human Behaviour*, 1, 713-722.
452. **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
451. **Friedrich, M., Wilhelm, I., Mölle, M., Born, J. & Friederici, A.D.** (2017). The sleeping infant brain anticipates development. *Current Biology*, 27(15), 2374–2380.
450. **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.
449. **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
448. **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.
447. **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.
446. **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.
445. **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.

444. **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.
443. **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
442. **Neef, N.E., Anwender, A. & Friederici, A.D.** (2017). The dorsal pathways: A comment on Kronfeld-Duenias et al. *Cortex*, 90, 166-168.
441. **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.
440. **Neef, N.E., Schaadt, G. & Friederici, A.D.** (2017). Auditory brainstem responses to stop consonants predict literacy. *Clinical Neurophysiology*, 128, 484–494.
439. **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.
438. **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.
437. **Vissienon, 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.
436. **Zaccarella, E. & Friederici, A.D.** (2017). The neurobiological nature of syntactic hierarchies. *Neuroscience & Biobehavioral Reviews*, 81(Part B), 205-212.
435. **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.
434. **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

433. **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.

432. **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.
431. **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.
430. **Fengler, A., Meyer, L. & Friederici, A.D.** (2016).  
How the brain attunes to sentence processing: Relating behavior, structure, and function. *NeuroImage*, *129*, 268–278.
429. **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
428. **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.
427. **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.
426. **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.
425. **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.
424. **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.
423. **Neef, N.E., Büttfering, 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.
422. **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.
421. **Skeide, M., Brauer, J. & Friederici, A.D.** (2016).  
Brain functional and structural predictors of language performance. *Cerebral Cortex*, *26*(5), 2127–2139.

420. **Skeide, M.A. & Friederici, A.D.** (2016).  
The ontogeny of the cortical language network. *Nature Reviews Neuroscience*, 17, 323–332.
419. **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.
418. **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.
417. **Wu, C.-Y., Vissienon, 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., Schaadt, 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., Anwender, 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., Knoesche, T.R., Friederici, A.D., Turner, R., Geyer, S. & Anwender, 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.

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., Anwender, 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. & Hagoort, 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., Makuuchi, 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. & Makuuchi, 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. **Hirotoni, 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. **Sammler, 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.

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 fMRI 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., Anwender, 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 congruency 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. **Hirotsani, 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. **Makuuchi, M., Bahlmann, J., Anwender, 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 Suchdeletz, 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. **Sammler, 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.

## 2005

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., Zysset, 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 stragies. *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: Akademie Verlag.
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. **Juszyk, P.W., Friederici, A.D., Wessels, J.M.I., Svenkerud, V. & Juszyk, 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 prelinguïstische 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

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.

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: Mentis 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 langage: des syllable aux énoncés.<sup>1</sup> 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*, 2<sup>nd</sup> 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.<sup>2</sup> In: G. Blanken & Ziegler, W. (Eds.), *Neurolinguistik. Zeitschrift für Aphasieforschung und –therapie*, 22(2), 114-132. Hochschulverlag: Mainz.
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.

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

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

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 Kaiserslautern: 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. Lürer (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.

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 Sprachverstehens, 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.

32. **Friederici, A.D.** (1998).  
Wissensrepräsentation und Sprachverstehen. 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. Sahn, 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. Zambbarieri (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. Andreewsky (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 Sprachverstehen beim Kinde. 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.