

Publikationsverzeichnis – Privatdozent Dr. med. Andreas Joachim Bartsch

I. Peer-Reviewed:

Whiteman, A. S., Bartsch, A. J., Kang, J., Johnson, T. D.. Bayesian inference for brain activity from functional magnetic resonance imaging collected at two spatial resolutions. *Annals of Applied Statistics* 2022, in press (see also <https://arxiv.org/abs/2103.13131>).

Foucher, J. R., Jeanjean, L. C., de Billy, C. C., Pfuhlmann, B., Clauss, J. M. E., Obrecht, A., Mainberger, O., Vernet, R., Arcay, H., Schorr, B., Weibel, S., Walther, S., van Harten, P. N., Waddington, J. L., Cuesta, M. J., Peralta, V., Dupin, L., Sambataro, F., Morrens, M., Kubera, K. M., Pieters, L. E., Stegmayer, K., Strik, W., Wolf, C. R., Jabs, B. E., Arms, M., Garcia, C., Hanke, M., Elowe, J., Bartsch, A., Berna, F., Hirjak, D.. The polysemous concepts of psychomotricity and catatonia: A European multi-consensus perspective. *European Neuropsychopharmacology* 56: 60-73, 2022.

Voets, N. L., Plaha, P., Parker Jones, O., Pretorius, P., Bartsch, A.. Presurgical localization of the primary sensorimotor cortex in gliomas. When is resting state fMRI beneficial and sufficient? *Clin Neuroradiol.* doi: 10.1007/s00062-020-00879-1, 2020.

Pfister, J., Blaimer, M., Kullmann, W.H., Bartsch, A.J., Jakob, P.M., and Breuer, F.A.. Simultaneous T1 and T2 measurements using inversion recovery TrueFISP with principle component-based reconstruction, off-resonance correction, and multicomponent analysis. *Magn Reson Med.* doi: 10.1002/mrm.27657, 2019.

Liu*, Z., Bartsch*, A. J., Berrocal, V. J., and Johnson, T.D.. A mixed-effects, spatially varying coefficients model with application to multi-resolution fMRI data. (*equal contribution) *Statistical Methods in Medical Research*, doi: 10.1177/0962280217752378, 2018.

Geletneky, K., Bartsch, A., Weiss, C., Bernhard, H., Marchini, A., Rommelaere, J.. ATIM-40. High rate of objective anti-tumor response in 9 patients with glioblastoma after viro-immunotherapy with oncolytic parvovirus H-1 in combination with bevacicumab and PD-1 checkpoint blockade. *Neuro Oncol* 20(Suppl 6): vi10. <https://doi.org/10.1093/neuonc/nyy148.035>, 2018.

Geletneky, K., Hajda, J., Angelova, A. L., Leuchs, B., Capper, D., Bartsch, A. J., Neumann, J.-O., Schöning, T., Hüsing, J., Beelte, B., Kiprianova, I., Roscher, M., Bhat, R., von Deimling, A., Brück, W., Just, A., Frehtman, V., Löbhard, S., Terletskaia-Ladwig, E., Fry, J., Jochims, K., Daniel, V., Krebs, O., Dahm, M., Huber, B., Unterberg, A., Rommelaere, J.. Oncolytic H-1 parvovirus shows safety and signs of immunogenic activity in a first phase I/IIa glioblastoma trial. *Mol Ther*, doi: 10.1016/j.ymthe.2017.08.016, 2017.

Voets, N. L., Bartsch, A., Plaha, P.. Brain white matter fibre tracts: a review of functional neuro-oncological relevance. *J Neurol Neurosurg Psychiatry* pii: jnnp-2017-316170. doi: 10.1136/jnnp-2017-316170, 2017.

Rizos*, T., Bartsch*, A. J., Johnson, T. D., Dittgen, F., Nichols, T. E., Malzahn, U., Veltkamp, R.. Voxelwise distribution of acute ischemic stroke lesions in patients with newly diagnosed atrial fibrillation: Trigger of arrhythmia or only target of embolism? (*equal contribution) *PLoS One* 12(5):e0177474, 2017.

Miller, K. L., Alfaro-Almagro, F., Bangerter, N. K., Thomas, D. L., Yacoub, E., Xu, J., Bartsch, A. J., Jbabdi, S., Sotiropoulos, S. N., Andersson, J. L. R., Griffanti, L., Douaud, G., Okell, T. W., Weale, P., Dragonu, I., Garratt, S., Hudson, S., Collins, R., Jenkinson, M., Matthews, P. M.,

- Smith, S. M.. Multimodal population brain imaging^[1] in the UK Biobank prospective epidemiological study. *Nat Neurosci* 19(11): 1523 – 1536, 2016.
- Emmert, K., Kopel, R., Sulzer, J., Brühl, A.B., Berman, B.D., Linden, D.E., Horovitz, S.G., Breimhorst, M., Caria, A., Frank, S., Johnston, S., Long, Z., Paret, C., Robineau, F., Veit, R., Bartsch, A., Beckmann, C.F., Van De Ville, D., Haller, S.. Meta-analysis of real-time fMRI neurofeedback studies using individual participant data: How is brain regulation mediated? *NeuroImage*. 124:806 – 812, 2016.
- Herweh, Chr., Hess, K., Meyding-Lamadé, U., Bartsch, A. J., Stippich, C., Jost, J., Friedmann-Bette, B., Heiland, S., Bendszus, M., Hähnel, S.. Reduced white matter integrity in amateur boxers. *Neuroradiology* 58(9):911 – 920, 2016.
- Liu, Z., Berrocal, V. J., Bartsch, A. J., and Johnson, T.D.. Pre-Surgical fMRI Data Analysis Using a Spatially Adaptive Conditionally Autoregressive Model. *Bayesian Anal* 11: 599 – 625, 2016.
- Rueckriegel, S. M., Linsenmann, T., Kessler, A.F., Homola, G. A., Bartsch, A. J., Ernestus, R. I., Westermaier, T., Löhr, M.. Feasibility of the Combined Application of Navigated Probabilistic Fiber Tracking and Navigated Ultrasonography in Brain Tumor Surgery. *World Neurosurg* 90:306 – 314, 2016.
- Regula, J. U., Jestaedt, L., Jende, F., Bartsch, A., Meinck, H. M., Weber, M. A.. Clinical Muscle Testing Compared with Whole-Body Magnetic Resonance Imaging in Facio-scapulo-humeral Muscular Dystrophy. *Clin Neuroradiol* 26: 445 – 455, 2016.
- Bartsch, A.J., and Haller, S.. Erratum to: State-of-the- art MRI techniques in neuroradiology: principles, pitfalls, and clinical applications. *Neuroradiology*, 57:1075, 2015.
- Geletneky, K., Angelova, A., Leuchs, B., Bartsch, A., Capper, D., Hajda, J., Rommelaere, J.. ATNT-07: Favorable response of patients with glioblastoma at second or third recurrence to repeated injection of oncolytic parvovirus H-1 in combination with bevacicumab. *Neuro Oncol* 17(Suppl 5): v11. doi: 10.1093/neuonc/nov205.07, 2015.
- Benkert, T., Bartsch, A.J., Blaimer, M., Jakob, P.M., and Breuer, F.A.. Generating multiple contrasts using single-shot radial T1 sensitive and insensitive steady-state imaging. *Magn Reson Med*. 73:2129 – 2141, 2015.
- Biller, A., Reuter, M., Patenaude, B., Homola, G., Bendszus, M., and Bartsch, A. J.. Responses of the Human Brain to Mild Dehydration and Rehydration Explored In Vivo by 1H-MR Imaging and Spectroscopy. *AJNR Am J Neuroradiol* 36: 2277 – 2284, 2015.
- Boppel, T., Bendszus, M., and Bartsch, A.J.. Excavating Meckel's cave: Cavum-trigeminal-encephaloceles (CTCs). *J Neuroradiol* 42: 156-61, 2015.
- Gutschalk, A., Uppenkamp, S., Riedel, B., Bartsch, A., Brandt, T., Vogt-Schaden, M.. Pure word deafness with auditory object agnosia after bilateral lesion of the superior temporal sulcus. *Cortex* 73: 24 – 35, 2015.
- Biller, A., Choli, M., Blaimer, M., Breuer, F. A., Jakob, P. M., and Bartsch, A. J.. Combined acquisition technique (CAT) for neuroimaging of multiple sclerosis at low specific absorption rates (SAR). *PLoS One* 9(4):e94439, 2014.
- Bartsch, A. J., Jbabdi, S., and Geletneky, K.: The temporo-parietal fiber intersection area (TPFIA) and Wernicke's perpendicular fasciculus (WpF). *Neurosurgery* 73(2):E381 – 382, 2013.

- Choli, M., Blaimer, M., Breuer, F. A., Ehses, P., Speck, O., Bartsch, A. J., and Jakob, P. M.: Combined acquisition technique (CAT) for high-field neuroimaging with reduced RF power. *MAGMA* 26: 411 – 418, 2013.
- Di Perri, C., Bastianello, S., Bartsch, A. J., Pistarini, C., Maggioni, G., Magrassi, L., Imberti, R., Pichiecchio, A., Vitali, P., Laureys, S., and Di Salle, F.: Limbic hyperconnectivity in the Vegetative State. *Neurology* 81: 1417 – 1424, 2013.
- Durnez, J., Moerkerke, B., Bartsch, A., and Nichols, T.: Alternative based thresholding with application to presurgical fMRI. *CABN Cogn Affect Behav Neurosci* 13: 703 – 713, 2013.
- Johnson, T. D., Liu, Z., Bartsch, A. J., and Nichols, T. E.: Bayesian non-parametric Potts model with application to pre-surgical FMRI data. *Stat Methods Med Res* 22: 364 – 381, 2013.
- Zeller, M., Müller, A., Gutberlet, M., Nichols, T., Hahn, D., Köstler, H., and Bartsch, A. J.: Boosting BOLD fMRI by k-space density weighted Echo Planar Imaging. *PLoS One* 8: e74501, 2013.
- Gutschalk, A., Brandt, T., Bartsch, A., and Jansen, C.: Comparison of auditory deficits associated with neglect and auditory cortex lesions. *Neuropsychologia* 50:926 – 38, 2012.
- Homola, G. A., Jbabdi, S., Beckmann, C. F., and Bartsch, A. J.: A brain network processing the age of faces. *PLoS One* 7: e49451, 2012.
- Bäumer, P., Dombert, T., Staub, F., Kaestel, T., Bartsch, A. J., Heiland, S., Bendszus, M., and Pham, M.: Ulnar Neuropathy at the Elbow: MR Neurography - Nerve T2 Signal Increase and Caliber. *Radiology* 260: 199 – 206, 2011.
- Hug, A., Bartsch, A., and Gutschalk, A.: Voices behind the left shoulder: two patients with right-sided temporal lobe epilepsy. *J Neurol Sci* 305: 143 – 146, 2011.
- Kästel, T., Heiland, S., Bäumer, P., Bartsch, A. J., Bendszus, M., Pham, M.: Magic angle effect: a relevant artifact in MR neurography at 3T? *AJNR Am J Neuroradiol* 32: 821 – 827, 2011.
- Pham, M., Helluy, X., Kleinschnitz, C., Kraft, P., Bartsch, A. J., Kraft, P., Jakob, P., Nieswandt, B., Bendszus, M., and Stoll, G.: Sustained reperfusion after blockade of glycoprotein-receptor-Ib in focal cerebral ischemia: an MRI study at 17.6 Tesla. *PLoS One* 6: e18386, 2011.
- Zeller, D., Gross, C., Bartsch, A., Johansen-Berg, H., and Classen, J.: Ventral premotor cortex may be required for dynamic changes in the feeling of limb ownership: a lesion study. *J Neurosci* 31: 4852 – 4857, 2011.
- Zeller, D., Dang, S. Y., Stefan, K., Biller, A., Bartsch, A., Saur, D., Bendszus, M., Rieckmann, P., Toyka, K. V., and Classen, J.: Functional role of ipsilateral motor areas in multiple sclerosis. *J Neurol Neurosurg Psychiatry* 82: 578 – 583, 2011.
- Gallichan, D., Scholz, J., Bartsch, A. J., Behrens, T. E., Robson, M. D., and Miller, K. L.: Addressing a systematic vibration artefact in diffusion-weighted MR images. *Hum Brain Mapp* 31: 193 – 202, 2010.
- Haller, S., Bartsch, A., Nguyen, D., Rodriguez, C., Emch, J., Gold, G., Lovblad, K. O., and Giannakopoulos, P.: Cerebral microhemorrhage and iron deposition in mild cognitive impairment: susceptibility-weighted MR imaging assessment. *Radiology* 257: 764 – 773, 2010.

- Haller, S., Nguyen, D., Rodriguez, C., Emch, J., Gold, G., Bartsch, A., Lovblad, K. O., and Giannakopoulos, P.: Individual prediction of cognitive decline in mild cognitive impairment using support vector machine-based analysis of diffusion tensor imaging data. *J Alzheimers Dis* 22: 315 – 327, 2010.
- Pham, M., Kleinschnitz, C., Helluy, X., Bartsch, A. J., Austinat, M., Behr, V. C., Renne, T., Nieswandt, B., Stoll, G., and Bendszus, M.: Enhanced cortical reperfusion protects coagulation factor XII-deficient mice from ischemic stroke as revealed by high-field MRI. *NeuroImage* 49: 2907 – 2914, 2010.
- Zeller, D., aufm Kampe, K., Biller, A., Stefan, K., Gentner, R., Schütz, A., Bartsch, A., Bendszus, M., Toyka, K. V., Rieckmann, P., and Classen, J.: Rapid-onset central motor plasticity in multiple sclerosis. *Neurology* 74: 728 – 735, 2010.
- Gallichan, D., Robson, M. D., Bartsch, A. J., and Miller, K. L.: TREMR: Table-resonance Elastography with MR. *Magn Res Med* 62: 815 – 821, 2009.
- Haller*, S., and Bartsch*, A. J.: Pitfalls in fMRI. (**equal contribution*) *Eur Radiology* 19: 2689 – 2706, 2009.
- Haller*, S., Homola, G. A., Scheffler, K., Beckmann, C. F., and Bartsch*, A. J.: Background gradient noise and non-auditory BOLD activations: A data-driven perspective. (**equal contribution*) *Brain Res* 1282: 74 – 83, 2009.
- Bartsch, A. J., Beckmann, C. F., Solymosi, L., and Bendszus, M.: Endovascular occlusion of aneurysms using a new bioactive coil: a matched pair analysis with bare platinum coils. Response to Letter by Drs. Cloft and Kallmes. *Stroke* 39: e30 – 31, 2008.
- Biller*, A., Bartsch*, A. J., Homola, G., Solymosi, L., and Bendszus, M.: The effect of ethanol on human brain metabolites longitudinally characterized by proton MR-spectroscopy. (**equal contribution*) *J Cereb Blood Flow Metab* 29: 891 – 902, 2008.
- Jestaedt, L., Pham, M., Bartsch, A. J., Kunze, E., Roosen, K., Solymosi, L., and Bendszus, M.: The impact of balloon angioplasty on the evolution of vasospasm-related infarction after aneurysmal subarachnoid hemorrhage. *Neurosurgery* 62: 610 – 617, 2008.
- Bartsch, A. J., Homola, G., Biller, A., Smith, S. M., Weijers, H. G., Wiesbeck, G. A., Jenkinson, M., De Stefano, N., Solymosi, L., and Bendszus, M.: Manifestations of early brain recovery associated with abstinence from alcoholism. *Brain* 130: 36 – 47, 2007.
- Bartsch, A. J., Homola, G., Thesen, S., Sahmer, P., Keim, R., Beckmann, C. F., Biller, A., Knaus, C., and Bendszus, M.: Scanning for the scanner: FMRI of audition by read-out omissions from echo-planar imaging. *NeuroImage* 35: 234 – 243, 2007.
- Bendszus, M., Bartsch, A. J., and Solymosi, L.: Endovascular occlusion of aneurysms using a new bioactive coil: a matched pair analysis with bare platinum coils. *Stroke* 38: 2855 – 2857, 2007.
- Biller, A., Bartsch, A., Knaus, C., Müller, J., Solymosi, L., and Bendszus, M.: Neuroradiological imaging in patients with sensorineural hearing loss prior to cochlear implantation. *RöFo Fortschr Röntgenstr* 179: 901 – 913, 2007.
- Jestaedt, L., Pham, M., Bartsch, A. J., Kunze, E., Roosen, K., Solymosi, L., and Bendszus, M.: Efficacy of Balloon Angioplasty in the Treatment of Vasospasm after Aneurysmal SAH. *Clin Neuroradiol* 17: 180 – 186, 2007.

Pham, M., Johnson, A., Bartsch, A. J., Lindner, C., Müllges, W., Roosen, K., Solymosi, L., and Bendszus, M.: CT perfusion predicts secondary cerebral infarction after aneurysmal subarachnoid hemorrhage. *Neurology* 69: 762 – 765, 2007.

Smith, S. M., Johansen-Berg, H., Jenkinson, M., Rueckert, D., Nichols, T. E., Miller, K. L., Robson, M. D., Jones, D. K., Klein, J. C., Bartsch, A. J., and Behrens, T. E.. Acquisition and voxelwise analysis of multi-subject diffusion data with tract-based spatial statistics. *Nat Protoc* 2: 499 – 503, 2007.

Bartsch, A. J., Homola, G., Biller, A., Solymosi, L., and Bendszus, M.: Diagnostic functional MRI: illustrated clinical applications and decision-making. *J Magn Reson Imaging* 23: 921 – 932, 2006.

Bendszus, M., Bartsch, A. J., and Stoll, G.: DWI as a marker for focal cerebral ischaemia – Authors' reply. *Lancet Neurol* 5: 471, 2006.

Jabs, B., Althaus, G., Bartsch, A., Schmidtke, A., Stöber, G., Beckmann, H., and Pfulmann, B.: Cycloid psychoses as atypical manic-depressive disorders. Results of a family study. *Nervenarzt* 77: 1096 – 10104, 2006.

Pham, M., Weigand, A., Schlake, H. P., Lindner, C., Müllges, W., Bartsch, A. J., Solymosi, L., and Bendszus, M.: Qualitative Perfusion-Computed Tomography and Vasospasm-Related Infarction after Subarachnoid Hemorrhage. *Clin Neuroradiol* 16: 41 – 46, 2006.

Bendszus, M., Bartsch, A., and Stoll, G.: Is the disruption of the blood-brain barrier a prerequisite for cellular infiltration in autoimmune encephalitis? *Brain* 128: E25, 2005.

Haller, S., Bartsch, A. J., Radue, E. W., Klarhofer, M., Seifritz, E., and Scheffler, K.: Effect of fMRI acoustic noise on non-auditory working memory task: comparison between continuous and pulsed sound emitting EPI. *MAGMA* 18: 263 – 271, 2005.

Bendszus, M., Koltzenburg, M., Bartsch, A. J., Goldbrunner, R., Günthner-Lengsfeld, T., Weilbach, F. X., Roosen, K., Toyka, K. V., and Solymosi, L.: Heparin and air filters reduce embolic events caused by intra-arterial cerebral angiography. A prospective, randomized trial. *Circulation* 110: 2110 – 2115, 2004.

Jabs, B. E., Krause, U., Althaus, G., Bartsch, A. J., Stöber, G., and Pfulmann, B.: Differences in quality of life and course of illness between cycloid and schizophrenic psychoses - a comparative study. *World J Biol Psychiatry* 5: 136 – 142, 2004.

Pfulmann, B., Jabs, B., Althaus, G., Schmidtke, A., Bartsch, A., Stöber, G., Beckmann, H., and Franzek, E.: Cycloid psychoses are not part of a bipolar affective spectrum. Results of a controlled family study. *J Affect Disord* 83: 11 – 19, 2004.

Bartsch, A. J., and Specht, K.: Detection of the scanner's genuine gradient noise by functional echo planar imaging. *Riv Neuroradiol* 16: 995 – 1000, 2003.

Bartsch, A. J., Brümmerhoff, A., Greil, H., and Neumärker, K.-J.: Shall the antropometry of physique cast new light on the diagnoses and treatment of eating disorders? *Eur Child Adolesc Psychiatry* 12: 54 – 64, 2003.

Bendszus, M., Wessig, C., Reiners, K., Bartsch, A. J., Solymosi, L., and Koltzenberg, M.: MR Imaging in the differential diagnosis of neurogenic foot drop. *AJNR Am J Neuroradiol* 24: 1283 – 1289, 2003.

- Fallgatter, A.J., Bartsch, A. J., Zielasek, J., and Herrmann, M. J.: Brain electrical dysfunction of the anterior cingulate in schizophrenic patients. *Psychiatry Res* 124: 37 – 48, 2003.
- Jabs, B. E., Bartsch, A. J., and Pfuhlmann, B.: Susceptibility to neuroleptic-induced parkinsonism-age and increased substantia nigra echogenicity as putative risk factors. *Eur Psychiatry* 18:177 – 181, 2003.
- Neumärker, K.-J.,and Bartsch, A. J.: Karl Kleist (1879–1960) – A pioneer of neuropsychiatry. *Hist Psychiatry* 14: 411 – 458, 2003.
- Neumärker, K.-J., Bartsch, A. J.: Perspectives of eating disorders from the Charite Hospital in Berlin. *Eur Child Adolesc Psychiatry* 12: 4 – 19, 2003.
- Rieger, L., Wessig, C., Bussen, S., Bartsch, A., Sütterlin, M., and Dietl, J.: Reversible loss of vision in severe preeclampsia: case report and review of the literature. *Z Geburtshilfe Neonatol* 207: 228 – 231, 2003.
- Warmuth-Metz, M., Kühl, J., Bartsch, A., Bendszus, M., and Solymosi, L.: Proton MR spectroscopy in diffuse pontine glioma. *Riv Neuroradiol* 16: 1110 – 1112, 2003.
- Bartsch, A. J., Knaus, C., Günthner-Lengsfeld, T., Mueller, J., Bendszus, M., Homola, G., Solymosi, L., Zimmerling, M., Teissl, C., Kremser, C., Preibisch, C., and Hofmann, E.: Funktionelle Kernspinresonanz der Hörbahn vor cochleären Implantationen. *RöFo Fortschr Röntgenstr* 174, 789 – 790, 2002.
- Bendszus, M., Warmuth-Metz, M., Klein, R., Bartsch, A. J., Krone, A., Tonn, J. C., and Solymosi, L.: Sequential MRI and MR spectroscopy in embolized meningiomas: correlation with surgical and histopathological findings. *Neuroradiology* 44: 77 – 82, 2002.
- Fallgatter, A. J., Bartsch, A. J., Herrmann, and M. J.: Electrophysiological measurements of anterior cingulate function. *J Neural Transm* 109: 977 – 988, 2002.
- Fallgatter, A. J., Aranda, D. R., Bartsch, A. J., and Herrmann, M. J.: Long-term reliability of electrophysiologic response control parameters. *J Clin Neurophysiol* 19: 61 – 66, 2002.
- Jabs, B. E., Pfuhlmann, B., Bartsch, A. J., Cetkovich-Bakmas, M. G., and Stöber, G.: Cycloid psychoses - from clinical concepts to biological foundations. *J Neural Transm* 109: 907 – 919, 2002.
- Jabs, B. E., Verdaguer, M. F., Pfuhlmann, B., Bartsch, A. J., and Beckmann, H.: The concept of Hebephrenia over the course of time with particular reference to the Wernicke-Kleist-Leonhard school. *World J Biol Psychiatry* 3: 200 – 206, 2002.
- Aranda, D., Bartsch, A. J., Herrmann, M. J., Eisenack, S., Morinigo, J. C., and Fallgatter, A. J.: Reliability of electrophysiological measurements of motor control. *Rev Neurol* 32: 10 – 14, 2001.
- Bendszus, M., Weijers, H. G., Wiesbeck, G., Warmuth-Metz, M., Bartsch, A. J., Engels, S., Böning, J., and Solymosi, L.: Sequential MR imaging and proton MR spectroscopy in patients who underwent recent detoxification for chronic alcoholism: correlation with clinical and neuropsychological data. *AJNR Am J Neuroradiol* 22: 1926 – 1932, 2001.
- Fallgatter, A. J., Bartsch, A. J., Strik, W. K., Mueller, T. J., Eisenack, S. S., Neuhauser, B., Aranda, D., and Herrmann, M. J.: Test-retest reliability of electrophysiological parameters related to cognitive motor control. *Clin Neurophysiol* 112: 198 – 204, 2001.

Jabs, B. E., Berg, D., Merschdorf, U., Bartsch, A. J., and Pfulmann, B.: Differences in substantia nigra echogenicity of nosological subtypes within the schizophrenic spectrum. A preliminary transcranial ultrasound study. *Neuropsychobiology* 44: 183 – 186, 2001.

Jabs, B. E., Bartsch, A. J., Pfulmann, B., Beckmann, H., and Franzek, E.: Hypochondriacal euphoria as a special form of monopolar affective psychosis. *Psychiatr Prax* 28: 29 – 34, 2001.

Jabs, B. E., Bartsch, A. J., Pfulmann, B., Franzek, E., Beckmann, H.: Die schwärmerische Euphorie als Pränanztyp der monopolen Manien. (Der besondere Fall.) *Nervenheilkunde* 20: 175 – 178, 2001.

Jabs, B. E., Verdaguer, M. F., Bartsch, A. J., and Pfulmann, B.: Hauptlehrer Wagner von Degerloch: Polydiagnostische Evaluation eines klassischen Falles. *Fundamenta Psychiatrica* 15: 109 – 114, 2001.

Neumärker, K. J., Greil, H., Brümmerhoff, A., Bzafka, M. W., Dudeck, U., Neumärker, U., Rohde, W., Fallgatter, A. J., Jabs, B., Pfulmann, B., and Bartsch, A. J.: Somatotype-specific anthropometry and eating disorders. *Z Kinder Jugendpsychiatr Psychother* 29: 239 – 242, 2001.

Bartsch, A. J., Neumärker, K. J., Franzek, E., and Beckmann, H.: Karl Kleist, 1879-1960. *Am J Psychiatry* 157: 703, 2000.

Beckmann, H., Bartsch, A. J., Neumärker, K.-J., Pfulmann, B., Verdaguer, M. F., and Franzek, E.: Schizophrenias in the Wernicke-Kleist-Leonhard school. *Am J Psychiatry* 157: 1024 – 1025, 2000.

Hoell, T., Peter, A. K., Bartsch, A., Oltmanns, F., Schmidgen, H., Hammersen, S., and Meisel, H. J.: Neuropsychologischer Screening-Test (NST): Testverfahren zur orientierenden kognitiven Untersuchung von Traumapatienten. *Trauma Berufskrankh* 2: 352 – 357, 2000.

Fallgatter, A. J., Jatzke, S., Bartsch, A. J., Hamelbeck, B., and Lesch, K. P.: Serotonin transporter promoter polymorphism influences topography of inhibitory motor control. *Int J Neuropsychopharmacol* 2: 115 – 120, 1999.

Neumärker, K.-J., Bartsch, A. J., Bzafka, M. W., Dudeck, U., Greil, H., Neumärker, U.: Anorexia nervosa--the triad of metric index, BMI age-specific percentile curve and goal weight. *Z Kinder Jugendpsychiatr Psychother* 27: 5 – 17, 1999.

Neumärker, K.-J., Bartsch, A. J.: Anorexia nervosa and "anorexia athletica"? *Wien Med Wochenschr* 148: 245 – 250, 1998.

II. Sonstige Publikationen

Miller, K.M., Bartsch, A.J., Smith, S.M.. Simultaneous Multi-Slice Imaging for Resting-State fMRI. *Magnetom FLASH* 63: 70 – 77, 2015.

https://www.radiologie-bamberg.de/images/pdf/SMS_Supplement_MAGNETOM_Flash_63_KM.pdf

Bartsch, A.J.. Simultaneous Multi-Slice (SMS) Imaging for Pre-Surgical BOLD fMRI and f_{SEP} Diffusion Tractography: Case Illustrations. *Magnetom FLASH* 63: 58 – 64, 2015.

https://www.radiologie-bamberg.de/images/pdf/SMS_Supplement_MAGNETOM_Flash_63_AB2.pdf

https://www.radiologie-bamberg.de/images/pdf/2016_Bartsch_SMS_BOLD_fMRI_Turkish.pdf

https://www.radiologie-bamberg.de/images/pdf/Bartsch_Miller_SMS_MAGNETOM_Flash_63_Japanese.pdf

Bartsch, A.J.. High-Resolution Simultaneous Multi-Slice (SMS) RESOLVE Diffusion Neurography for Evaluation of Peripheral Nerve Entrapment Syndrome and Neuropathy. *Magnetom FLASH* 65: 2 – 7, 2016.

https://www.radiologie-bamberg.de/images/pdf/0954_25_Bartsch_SMS_RESOLVE_K4.pdf

Bartsch, A.J., Schönberg, S.: Mehr Qualität in einem Bruchteil der Zeit – Simultaneous Multi-Slice (SMS) und Compressed Sensing. *Inside:Health* 05: 66 – 69, 2017.

https://www.radiologie-bamberg.de/images/pdf/Bamberg_Mannheim_K2_07-04.pdf

Bartsch, A.J., Illigen, T.: Update on FLAIR Fusion in Multiple Sclerosis Follow-up and Beyond: An Indispensable Tool in Clinical Routine. *Magnetom FLASH* 80: 2 – 7, 2022.

https://www.radiologie-bamberg.de/images/pdf/Bartsch_FLAIR-Fusion_Update_ISMRM-2022_HOOD05162003259463.pdf

III. Buchbeiträge:

Bartsch, A. J., Biller, A., and Homola, G.: Tractography for surgical targeting. In: *Diffusion MRI: from quantitative measurement to in-vivo neuroanatomy*. Johansen-Berg, H. & Behrens, T. E. (Eds.). ISBN 978-0-12-374709-9. Elsevier, Amsterdam, pp. 415 – 444, 2009, and *Presurgical tractography applications*. In: *Diffusion MRI: from quantitative measurement to in-vivo neuroanatomy*. Johansen-Berg, H. & Behrens, T. E. (Eds.). ISBN 978-0-12-396460-1. Elsevier, Second Edition, pp. 531-568, 2014.

Bartsch, A. J., Neumärker, K.-J., and Beckmann, H.: Karl Kleist. In: Hippus, H., Holdorff, B., Schliack, H. (Hrsg.): *Nervenärzte 2. Biographien*. ISBN 3-13-128351-3. Thieme, Stuttgart - New York, pp. 115 – 134, 2006.

Bartsch, A. J., Neumärker, K.-J., Dudeck, U., and Neumärker, U.: Body schema and image disturbances as interface phenomena of descriptive psychopathology. In: Franzek, E., Ungvari, G. S., Rüther, E., and Beckmann, H. (Eds.): *Progress in Differentiated Psychopathology*. International Wernicke-Kleist-Leonhard Society Würzburg. ISBN 3-00-005789-7. Contemporary Development Company CDC, Hong Kong, pp. 12 – 24, 2000.

Kleesiek, J., Biller, A., Bartsch, A.J., Ueltzhöffer, K.. Crutchfield Information Metric: A Valid Tool for Quality Control of Multiparametric MRI Data? *Biomedical Engineering Systems and Technologies*, Volume 574 of the Series Communications in Computer and Information Science pp. 113-125, 2015.

Przezdziak, I., Haak, K. V., Beckmann, C. F., Bartsch, A. J.. The human language connectome. Section: Neuroanatomy of language. In: Hagoort, P. et al. (Eds). *Human Language: from Genes and Brains to Behavior*. MIT Press, pp. 467-480, 2019.

Monographien:

Bartsch, A. J.: Untersuchungen zur körperbautypspezifischen Somatometrie bei Eßstörungen im Kindes- und Jugendalter. ISBN 3-89825-095-4. dissertation.de, Verlag im Internet, Berlin, pp. 115 (12 Tab. & 15 Abb., Paperback), 2000.

IV. Titelbild- und Covergestaltungen:

Titelbild für Eur Child Adolesc Psychiatry 12, 2003.

Titelbild für RöFo Fortschr Röntgenstr 174, 2002.

Cover für RöFo Fortschr Röntgenstr Jan - Juli, 2002.

V. Fachbezogene Videos / Vorträge:

<https://youtu.be/yPIsddzR3d8>

https://youtu.be/_6OQ6irKrYo

<https://youtu.be/G29A3SVXaQo>

<https://youtu.be/PBt81Xf5iz0>

<https://youtu.be/pa-1WIoaaHw>

<https://youtu.be/iqY6hVjKqIs>