

Harald Bruhn

List of Publications by Year in descending order

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53
papers

3,506
citations

147566

31
h-index

174990

52
g-index

54
all docs

54
docs citations

54
times ranked

3967
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of thermotherapy using magnetic nanoparticles on rat malignant glioma. Journal of Neuro-Oncology, 2006, 78, 7-14.	1.4	409
2	Dynamic MR imaging of human brain oxygenation during rest and photic stimulation. Journal of Magnetic Resonance Imaging, 1992, 2, 501-505.	1.9	348
3	On the identification of cerebral metabolites in localized ¹ H NMR spectra of human brain <i>In vivo</i> . NMR in Biomedicine, 1991, 4, 90-98.	1.6	164
4	Functional MRI of the Human Amygdala?. NeuroImage, 2001, 14, 253-257.	2.1	154
5	MRI of Prostate Cancer at 1.5 and 3.0 T: Comparison of Image Quality in Tumor Detection and Staging. American Journal of Roentgenology, 2005, 185, 1214-1220.	1.0	128
6	Alterations of brain metabolites in metachromatic leukodystrophy as detected by localized proton magnetic resonance spectroscopy <i>in vivo</i> . Journal of Neurology, 1993, 241, 68-74.	1.8	126
7	Decrease of glucose in the human visual cortex during photic stimulation. Magnetic Resonance in Medicine, 1992, 25, 187-194.	1.9	116
8	Localized Proton NMR Spectroscopy of Brain Tumors Using Short-Echo Time STEAM Sequences. Journal of Computer Assisted Tomography, 1991, 15, 915-922.	0.5	111
9	The Effect of Acetazolamide on Regional Cerebral Blood Oxygenation at Rest and under Stimulation as Assessed by MRI. Journal of Cerebral Blood Flow and Metabolism, 1994, 14, 742-748.	2.4	105
10	¹²³ I-IMT SPECT and ¹ HMR-Spectroscopy at 3.0T in the Differential Diagnosis of Recurrent or Residual Gliomas: A Comparative Study. Journal of Neuro-Oncology, 2004, 70, 49-58.	1.4	105
11	On the N-acetyl methyl resonance in localized ¹ H NMR spectra of human brain <i>In Vivo</i> . NMR in Biomedicine, 1991, 4, 201-204.	1.6	103
12	Multiple sclerosis in childhood: Report of 15 cases. Brain and Development, 1991, 13, 410-416.	0.6	94
13	Proton NMR Spectroscopy of Cerebral Metabolic Alterations in Infantile Peroxisomal Disorders. Journal of Computer Assisted Tomography, 1992, 16, 335-344.	0.5	91
14	Identification of scyllo-inositol in proton NMR spectra of human brain <i>in vivo</i> . NMR in Biomedicine, 1993, 6, 105-109.	1.6	90
15	MRI of "diffusion" in the human brain: New results using a modified CE-FAST sequence. Magnetic Resonance in Medicine, 1989, 9, 423-429.	1.9	85
16	Diffusion imaging of the human brain <i>in vivo</i> using high-speed STEAM MRI. Magnetic Resonance in Medicine, 1992, 23, 179-192.	1.9	81
17	Localized Proton NMR spectroscopy using stimulated echoes: Applications to human skeletal muscle <i>in vivo</i> . Magnetic Resonance in Medicine, 1991, 17, 82-94.	1.9	71
18	Molecular self-diffusion of intracellular metabolites in rat brain <i>in vivo</i> Investigated by Localized Proton NMR Diffusion Spectroscopy. Magnetic Resonance in Medicine, 1993, 29, 125-129.	1.9	67

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19	Fronto-cerebellar fiber tractography in pediatric patients following posterior fossa tumor surgery. <i>Child's Nervous System</i> , 2013, 29, 597-607.	0.6	67
20	Differences in Supratentorial Damage of White Matter in Pediatric Survivors of Posterior Fossa Tumors With and Without Adjuvant Treatment as Detected by Magnetic Resonance Diffusion Tensor Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 859-866.	0.4	65
21	Assessment of <i>in vivo</i> 1H magnetic resonance spectroscopy in the liver: a review. <i>Liver International</i> , 2008, 28, 297-307.	1.9	61
22	Modulation of cerebral blood oxygenation by indomethacin: MRI at rest and functional brain activation. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 325-334.	1.9	60
23	Imaging of serotonin transporters and its blockade by citalopram in patients with major depression using a novel SPECT ligand [123I]-ADAM. <i>Journal of Neural Transmission</i> , 2006, 113, 659-670.	1.4	60
24	Quantitative proton magnetic resonance spectroscopy of the normal liver and malignant hepatic lesions at 3.0 Tesla. <i>European Radiology</i> , 2008, 18, 2549-2558.	2.3	45
25	Cerebral white matter fractional anisotropy and tract volume as measured by MR imaging are associated with impaired cognitive and motor function in pediatric posterior fossa tumor survivors. <i>Pediatric Blood and Cancer</i> , 2015, 62, 1252-1258.	0.8	44
26	The influence of flow and motion in MRI of diffusion using a modified CE-FAST sequence. <i>Magnetic Resonance in Medicine</i> , 1989, 12, 198-208.	1.9	43
27	High-speed STEAM MRI of the human heart. <i>Magnetic Resonance in Medicine</i> , 1991, 22, 133-142.	1.9	43
28	High-resolution MRI of the wrist and finger joints in patients with rheumatoid arthritis: comparison of 1.5 Tesla and 3.0 Tesla. <i>European Radiology</i> , 2007, 17, 2176-2182.	2.3	43
29	Signal strength in subsecond FLASH magnetic resonance imaging: The dynamic approach to steady state. <i>Medical Physics</i> , 1990, 17, 1004-1010.	1.6	41
30	In-vivo monitoring of neuronal loss in Creutzfeldt-Jakob disease by proton magnetic resonance spectroscopy. <i>Lancet</i> , The, 1991, 337, 1610-1611.	6.3	40
31	A new paradigm (Westphal-Paradigm) to study the neural correlates of panic disorder with agoraphobia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2011, 261, 185-194.	1.8	33
32	Advances in cardiac applications of subsecond flash MRI. <i>Magnetic Resonance Imaging</i> , 1990, 8, 829-836.	1.0	30
33	DTI fiber tractography of cerebro-cerebellar pathways and clinical evaluation of ataxia in childhood posterior fossa tumor survivors. <i>Journal of Neuro-Oncology</i> , 2017, 131, 267-276.	1.4	28
34	MR-Guided Localization of Suspected Breast Lesions Detected Exclusively by Postcontrast MRI. <i>Journal of Computer Assisted Tomography</i> , 1995, 19, 63-66.	0.5	25
35	Poly(ethylene oxide)-block-poly(glutamic acid) coated maghemite nanoparticles: in vitro characterization and in vivo behaviour. <i>Nanotechnology</i> , 2007, 18, 115710.	1.3	25
36	Alzheimer Disease: Absolute Quantification of Cerebral Metabolites In Vivo Using Localized Proton Magnetic Resonance Spectroscopy. <i>Alzheimer Disease and Associated Disorders</i> , 2000, 14, 112-119.	0.6	24

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37	Vascular compression in glossopharyngeal neuralgia: demonstration by high-resolution MRI at 3T. <i>Neuroradiology</i> , 2003, 45, 810-811.	1.1	24
38	Local Arterial Infusion of Superparamagnetic Iron Oxide Particles in Hepatocellular Carcinoma. <i>Investigative Radiology</i> , 2006, 41, 527-535.	3.5	23
39	Voluntary palatal tremor is associated with hyperactivation of the inferior olive: A functional magnetic resonance imaging study. <i>Movement Disorders</i> , 2001, 16, 1193-1195.	2.2	22
40	Decreased bilateral cortical representation patterns in writer's cramp: a functional magnetic resonance imaging study at 3.0T. <i>Neurological Sciences</i> , 2009, 30, 219-226.	0.9	22
41	Imaging of single human carcinoma cells in vitro using a clinical whole-body magnetic resonance scanner at 3.0 T. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1187-1192.	1.9	21
42	Latex nanoparticles for multimodal imaging and detection in vivo. <i>Nanotechnology</i> , 2007, 18, 195102.	1.3	21
43	Efficacy of Contrast Medium Use for Neuroimaging at 3.0 T. <i>Journal of Computer Assisted Tomography</i> , 2005, 29, 499-505.	0.5	20
44	Perfusion imaging of cerebral arteriovenous malformations: a study comparing quantitative continuous arterial spin labeling and dynamic contrast-enhanced magnetic resonance imaging at 3 T. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1157-1164.	1.0	19
45	High-resolution fast low-angle shot magnetic resonance imaging of the normal hand. <i>Skeletal Radiology</i> , 1991, 20, 259-265.	1.2	18
46	Supratentorial Neurometabolic Alterations in Pediatric Survivors of Posterior Fossa Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1135-1141.	0.4	17
47	High-resolution depiction of the cranial nerves in the posterior fossa (N III–N XII) with 2D fast spin echo and 3D gradient echo sequences at 3.0 T. <i>Clinical Imaging</i> , 2009, 33, 169-174.	0.8	15
48	Lhermitte-Duclos disease: a critical appraisal of different radiologic methods. <i>European Journal of Radiology</i> , 1994, 19, 21-24.	1.2	14
49	Intrinsically radiopaque iodine-containing polyvinyl alcohol as a liquid embolic agent: evaluation in experimental wide-necked aneurysms. <i>Journal of Neurosurgery</i> , 2006, 104, 290-297.	0.9	14
50	MR colonoscopy at 3.0 T: comparison with 1.5 T in vivo and a colon model. <i>Clinical Imaging</i> , 2006, 30, 248-253.	0.8	13
51	Effects of short-term stress-like cortisol on cerebral metabolism: A proton magnetic resonance spectroscopy study at 3.0 T. <i>Journal of Psychiatric Research</i> , 2010, 44, 521-526.	1.5	11
52	Effects of Cognitive Behavioral Therapy on Neural Processing of Agoraphobia-Specific Stimuli in Panic Disorder and Agoraphobia. <i>Psychotherapy and Psychosomatics</i> , 2018, 87, 350-365.	4.0	7
53	Non-invasive assessment of brain lesions by fast scan MRI and localized proton spectroscopy. , 1991, , 279-281.		0