

Martin Buechert

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,895
citations

304602

22
h-index

233338

45
g-index

53
all docs

53
docs citations

53
times ranked

4082
citing authors

#	ARTICLE	IF	CITATIONS
1	The utility of multiparametric MRI to characterize hypoxic tumor subvolumes in comparison to FMISO PET/CT. Consequences for diagnosis and chemoradiation treatment planning in head and neck cancer. <i>Radiotherapy and Oncology</i> , 2020, 150, 128-135.	0.3	28
2	In Vivo Fat Quantification: Monitoring Effects of a 6-Week Non-Energy-Restricted Ketogenic Diet in Healthy Adults Using MRI, ADP and BIA. <i>Nutrients</i> , 2020, 12, 244.	1.7	1
3	Comprehensive lifestyle intervention <i>vs</i> soy protein-based meal regimen in non-alcoholic steatohepatitis. <i>World Journal of Gastroenterology</i> , 2019, 25, 1116-1131.	1.4	31
4	Effect of radiochemotherapy on T2* MRI in HNSCC and its relation to FMISO PET derived hypoxia and FDG PET. <i>Radiation Oncology</i> , 2018, 13, 159.	1.2	26
5	Effects of RF pulse profile and intra-voxel phase dispersion on MR fingerprinting with balanced SSFP readout. <i>Magnetic Resonance Imaging</i> , 2017, 41, 80-86.	1.0	9
6	Simultaneous detection of valine and lactate using MEGAâ€PRESS editing in pyogenic brain abscess. <i>NMR in Biomedicine</i> , 2016, 29, 1739-1747.	1.6	4
7	Non-Parametric Bayesian Registration (NParBR) of Body Tumors in DCE-MRI Data. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1025-1035.	5.4	3
8	Value of MRI and MRS fat measurements to complement conventional screening methods for childhood obesity. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1214-1222.	1.9	9
9	In vitro study to simulate the intracardiac magnetohydrodynamic effect. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 850-857.	1.9	5
10	Internal Fat and Cardiometabolic Risk Factors Following a Meal-Replacement Regimen vs. Comprehensive Lifestyle Changes in Obese Subjects. <i>Nutrients</i> , 2015, 7, 9825-9833.	1.7	18
11	Incorporation of image data from a previous examination in 3D serial MR imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 413-425.	1.1	4
12	Improving the robustness of 3D turbo spin echo imaging to involuntary motion. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 329-345.	1.1	17
13	An L1-norm phase constraint for half-Fourier compressed sensing in 3D MR imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 459-472.	1.1	16
14	Vascular effects, efficacy and safety of nintedanib in patients with advanced, refractory colorectal cancer: a prospective phase I subanalysis. <i>BMC Cancer</i> , 2014, 14, 510.	1.1	23
15	Wholeâ€body MRIâ€based fat quantification: A comparison to air displacement plethysmography. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1437-1444.	1.9	40
16	FOLFIRI and sunitinib as first-line treatment in metastatic colorectal cancer patients with liver metastases " a CESAR phase II study including pharmacokinetic, biomarker, and imaging data. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2014, 52, 642-652.	0.3	7
17	Registration of abdominal tumor DCE-MRI data based on deconvolution of joint statistics. , 2013, 2013, 2611-4.		2
18	First-in-Human Phase I Study of PRS-050 (Angiocal), an Anticalin Targeting and Antagonizing VEGF-A, in Patients with Advanced Solid Tumors. <i>PLoS ONE</i> , 2013, 8, e83232.	1.1	46

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19	Ir-truefisp: A New Dce-mri Approach in Comparison with 3d-flash Multi Flip Angle Method. Magnetic Resonance Insights, 2012, 5, MRI.S9832.	2.5	1
20	Analysis of abdominal fat tissue images acquired with continuously moving table MRI. , 2012, , .		0
21	A Phase I Dose- Escalation Study of Regorafenib (BAY 73-4506), an Inhibitor of Oncogenic, Angiogenic, and Stromal Kinases, in Patients with Advanced Solid Tumors. Clinical Cancer Research, 2012, 18, 2658-2667.	3.2	293
22	Regorafenib (BAY 73-4506) in advanced colorectal cancer: a phase I study. British Journal of Cancer, 2012, 106, 1722-1727.	2.9	222
23	Spectroscopic imaging with prospective motion correction and retrospective phase correction. Magnetic Resonance in Medicine, 2012, 67, 1506-1514.	1.9	22
24	Magnetic resonance spectroscopy of the anterior cingulate cortex in eating disorders. Psychiatry Research - Neuroimaging, 2011, 191, 196-200.	0.9	20
25	Volumetric analysis of MRI data monitoring the treatment of polycystic kidney disease in a mouse model. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2011, 24, 109-119.	1.1	7
26	Phase I study of telatinib (BAY 57-9352): analysis of safety, pharmacokinetics, tumor efficacy, and biomarkers in patients with colorectal cancer. Vascular Cell, 2011, 3, 16.	0.2	11
27	Correction of frequency drifts induced by gradient heating in 1H spectra using interleaved reference spectroscopy. Journal of Magnetic Resonance Imaging, 2011, 33, 748-754.	1.9	32
28	Analysis of MRI data of patients with ADPKD for the volume of the kidneys and of the enclosed cysts. , 2011, , .		0
29	Abstract A212: First in human phase I study of PRS-050 (Angiocal), a VEGF-A targeting anticalin, in patients with advanced solid tumors: Results of a dose escalation study.. , 2011, , .		10
30	Joint Restoration of Bi-contrast MRI Data for Spatial Intensity Non-uniformities. Lecture Notes in Computer Science, 2011, 22, 346-358.	1.0	4
31	Depressive Cognitions May Affect Cingulate Neurochemistry in ADHD Patients. Journal of Behavioral and Brain Science, 2011, 01, 6-11.	0.2	1
32	H1-MR-spectroscopy of cerebellum in adult attention deficit/hyperactivity disorder. Journal of Psychiatric Research, 2010, 44, 938-943.	1.5	45
33	Everolimus in Patients with Autosomal Dominant Polycystic Kidney Disease. New England Journal of Medicine, 2010, 363, 830-840.	13.9	517
34	Neurochemical alterations in women with borderline personality disorder and comorbid attention-deficit hyperactivity disorder. World Journal of Biological Psychiatry, 2010, 11, 372-381.	1.3	23
35	Spectroscopic findings in attention-deficit/hyperactivity disorder: Review and meta-analysis. World Journal of Biological Psychiatry, 2009, 10, 355-365.	1.3	70
36	Monitoring kidney and renal cyst volumes applying MR approaches on a rapamycin treated mouse model of ADPKD. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2009, 22, 143-149.	1.1	22

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37	Valproate-induced metabolic changes in patients with epilepsy: Assessment with ¹ H-MRS. <i>Epilepsia</i> , 2009, 50, 486-492.	2.6	28
38	DCE-MRI assessment of the effect of vandetanib on tumor vasculature in patients with advanced colorectal cancer and liver metastases: a randomized phase I study. <i>Journal of Angiogenesis Research</i> , 2009, 1, 5.	2.9	47
39	Analysis of MR Images of Mice in Preclinical Treatment Monitoring of Polycystic Kidney Disease. <i>Lecture Notes in Computer Science</i> , 2009, 12, 665-672.	1.0	4
40	Vitamin C estimation with standard ¹ H spectroscopy using a clinical 3T MR system: Detectability and reliability within the human brain. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 351-358.	1.9	12
41	Neurochemical and structural correlates of executive dysfunction in schizophrenia. <i>Schizophrenia Research</i> , 2008, 99, 155-163.	1.1	63
42	Frontolimbic glutamate alterations in first episode schizophrenia: Evidence from a magnetic resonance spectroscopy study. <i>World Journal of Biological Psychiatry</i> , 2008, 9, 59-63.	1.3	74
43	Lack of Empirical Reference Data for In Vivo Magnetic Resonance Spectroscopic Glutamate Measurements in Humans. <i>Biological Psychiatry</i> , 2007, 61, 1219-1220.	0.7	5
44	Reduced cingulate glutamate/glutamine-to-creatine ratios in adult patients with attention deficit/hyperactivity disorder – A magnet resonance spectroscopy study. <i>Journal of Psychiatric Research</i> , 2007, 41, 934-941.	1.5	79
45	P.1.e.004 Cingulate glutamatergic signals distinguish adult patients with ADHD from healthy controls - a magnetic resonance spectroscopy study. <i>European Neuropsychopharmacology</i> , 2006, 16, S261.	0.3	0
46	Mapping of temporal and parietal cortex in progressive nonfluent aphasia and Alzheimer's disease using chemical shift imaging, voxel-based morphometry and positron emission tomography. <i>Psychiatry Research - Neuroimaging</i> , 2005, 140, 115-131.	0.9	43
47	Increased Prefrontal and Hippocampal Glutamate Concentration in Schizophrenia: Evidence from a Magnetic Resonance Spectroscopy Study. <i>Biological Psychiatry</i> , 2005, 58, 724-730.	0.7	144
48	Dynamic Contrast-Enhanced Magnetic Resonance Imaging As a Biomarker for the Pharmacological Response of PTK787/ZK 222584, an Inhibitor of the Vascular Endothelial Growth Factor Receptor Tyrosine Kinases, in Patients With Advanced Colorectal Cancer and Liver Metastases: Results From Two Phase I Studies. <i>Journal of Clinical Oncology</i> , 2003, 21, 3955-3964.	0.8	648
49	Characterization of hematopoietic bone marrow in male professional cyclists by magnetic resonance imaging of the lumbar spine. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 16, 284-288.	1.9	10
50	Breath-Hold Projection Magnetic Resonance-Cholangio-Pancreaticography (MRCP): a New Method for the Examination of the Bile and Pancreatic Ducts. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 18-23.	1.9	149