

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	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
2	Everolimus in Patients with Autosomal Dominant Polycystic Kidney Disease. <i>New England Journal of Medicine</i> , 2010, 363, 830-840.	13.9	517
3	A Phase I Dose-â€“Escalation Study of Regorafenib (BAY 73-4506), an Inhibitor of Oncogenic, Angiogenic, and Stromal Kinases, in Patients with Advanced Solid Tumors. <i>Clinical Cancer Research</i> , 2012, 18, 2658-2667.	3.2	293
4	Regorafenib (BAY 73-4506) in advanced colorectal cancer: a phase I study. <i>British Journal of Cancer</i> , 2012, 106, 1722-1727.	2.9	222
5	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
6	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
7	Reduced cingulate glutamate/glutamine-to-creatine ratios in adult patients with attention deficit/hyperactivity disorder â€“ A magnet resonance spectroscopy study. <i>Journal of Psychiatric Research</i> , 2007, 41, 934-941.	1.5	79
8	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
9	Spectroscopic findings in attention-deficit/hyperactivity disorder: Review and meta-analysis. <i>World Journal of Biological Psychiatry</i> , 2009, 10, 355-365.	1.3	70
10	Neurochemical and structural correlates of executive dysfunction in schizophrenia. <i>Schizophrenia Research</i> , 2008, 99, 155-163.	1.1	63
11	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
12	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
13	H1-MR-spectroscopy of cerebellum in adult attention deficit/hyperactivity disorder. <i>Journal of Psychiatric Research</i> , 2010, 44, 938-943.	1.5	45
14	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
15	Whole-body MRI-based fat quantification: A comparison to air displacement plethysmography. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1437-1444.	1.9	40
16	Correction of frequency drifts induced by gradient heating in 1H spectra using interleaved reference spectroscopy. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 748-754.	1.9	32
17	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
18	Valproate-induced metabolic changes in patients with epilepsy: Assessment with ¹H-MRS. <i>Epilepsia</i> , 2009, 50, 486-492.	2.6	28

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19	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
20	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
21	Neurochemical alterations in women with borderline personality disorder and comorbid attention-deficit hyperactivity disorder. <i>World Journal of Biological Psychiatry</i> , 2010, 11, 372-381.	1.3	23
22	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
23	Monitoring kidney and renal cyst volumes applying MR approaches on a rapamycin treated mouse model of ADPKD. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 143-149.	1.1	22
24	Spectroscopic imaging with prospective motion correction and retrospective phase correction. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1506-1514.	1.9	22
25	Magnetic resonance spectroscopy of the anterior cingulate cortex in eating disorders. <i>Psychiatry Research - Neuroimaging</i> , 2011, 191, 196-200.	0.9	20
26	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
27	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
28	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
29	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
30	Phase I study of telatinib (BAY 57-9352): analysis of safety, pharmacokinetics, tumor efficacy, and biomarkers in patients with colorectal cancer. <i>Vascular Cell</i> , 2011, 3, 16.	0.2	11
31	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
32	Abstract A212: First in human phase I study of PRS-050 (Angiocal), a VEGF-A targeting anticancer, in patients with advanced solid tumors: Results of a dose escalation study.., 2011, , .		10
33	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
34	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
35	Volumetric analysis of MRI data monitoring the treatment of polycystic kidney disease in a mouse model. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 109-119.	1.1	7
36	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

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37	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
38	In vitro study to simulate the intracardiac magnetohydrodynamic effect. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 850-857.	1.9	5
39	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
40	Simultaneous detection of valine and lactate using MEGA-PRESS editing in pyogenic brain abscess. <i>NMR in Biomedicine</i> , 2016, 29, 1739-1747.	1.6	4
41	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
42	Joint Restoration of Bi-contrast MRI Data for Spatial Intensity Non-uniformities. <i>Lecture Notes in Computer Science</i> , 2011, 22, 346-358.	1.0	4
43	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
44	Registration of abdominal tumor DCE-MRI data based on deconvolution of joint statistics. , 2013, 2013, 2611-4.		2
45	Ir-truefisp: A New Dce-mri Approach in Comparison with 3d-flash Multi Flip Angle Method. <i>Magnetic Resonance Insights</i> , 2012, 5, MRI.S9832.	2.5	1
46	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
47	Depressive Cognitions May Affect Cingulate Neurochemistry in ADHD Patients. <i>Journal of Behavioral and Brain Science</i> , 2011, 01, 6-11.	0.2	1
48	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
49	Analysis of MRI data of patients with ADPKD for the volume of the kidneys and of the enclosed cysts. , 2011, , .		0
50	Analysis of abdominal fat tissue images acquired with continuously moving table MRI. , 2012, , .		0