

Christian M Kerskens

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,906
citations

279487

23
h-index

264894

42
g-index

73
all docs

73
docs citations

73
times ranked

2903
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the spatial resolution of the gradient echo and spin echo BOLD response at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1465-1472.	1.9	163
2	Linear Assemblies of Magnetic Nanoparticles as MRI Contrast Agents. <i>Journal of the American Chemical Society</i> , 2008, 130, 4214-4215.	6.6	142
3	Iron accumulation in microglia triggers a cascade of events that leads to altered metabolism and compromised function in APP/PS1 mice. <i>Brain Pathology</i> , 2019, 29, 606-621.	2.1	103
4	RNAi-mediated reversible opening of the blood-brain barrier. <i>Journal of Gene Medicine</i> , 2008, 10, 930-947.	1.4	102
5	Targeted suppression of claudin-5 decreases cerebral oedema and improves cognitive outcome following traumatic brain injury. <i>Nature Communications</i> , 2012, 3, 849.	5.8	102
6	Reperfusion after Thrombolytic Therapy of Embolic Stroke in the Rat: Magnetic Resonance and Biochemical Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 407-418.	2.4	101
7	Stable Aqueous Dispersions of Glycopeptide-Grafted Selectably Functionalized Magnetic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3164-3167.	7.2	79
8	Ultrafast Perfusion-Weighted MRI of Functional Brain Activation in Rats During Forepaw Stimulation: Comparison with T ² -Weighted MRI. , 1996, 9, 20-23.		75
9	An experimental platform for systemic drug delivery to the retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17817-17822.	3.3	71
10	Schizophrenia-related endophenotypes in heterozygous neuregulin ¹ knockout TM mice. <i>European Journal of Neuroscience</i> , 2010, 31, 349-358.	1.2	68
11	The age-related deficit in LTP is associated with changes in perfusion and blood-brain barrier permeability. <i>Neurobiology of Aging</i> , 2012, 33, 1005.e23-1005.e35.	1.5	68
12	Perfusion and diffusion magnetic resonance imaging in human cerebral venous thrombosis. <i>Journal of Neurology</i> , 2001, 248, 564-571.	1.8	56
13	Rosiglitazone attenuates the age-related changes in astrocytosis and the deficit in LTP. <i>Neurobiology of Aging</i> , 2012, 33, 162-175.	1.5	51
14	Functional MRI of somatosensory activation in rat: Effect of hypercapnic tip-regulation on perfusion- and BOLD-imaging. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 457-461.	1.9	50
15	Progressive change in primary progressive multiple sclerosis normal-appearing white matter: a serial diffusion magnetic resonance imaging study. <i>Multiple Sclerosis Journal</i> , 2004, 10, 182-187.	1.4	48
16	Reduced BOLD response to periodic visual stimulation. <i>NeuroImage</i> , 2004, 21, 236-243.	2.1	43
17	Dysregulation between emotion and theory of mind networks in borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 25-32.	0.9	43
18	Early hippocampal volume loss as a marker of eventual memory deficits caused by repeated stress. <i>Scientific Reports</i> , 2016, 6, 29127.	1.6	42

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19	Experimental Neonatal Status Epilepticus and the Development of Temporal Lobe Epilepsy with Unilateral Hippocampal Sclerosis. <i>American Journal of Pathology</i> , 2010, 176, 330-342.	1.9	40
20	Recovery of the rodent brain after cardiac arrest: A functional mri study. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 783-788.	1.9	38
21	Time course of circulatory and metabolic recovery of cat brain after cardiac arrest assessed by perfusion- and diffusion-weighted imaging and MR-spectroscopy. <i>Resuscitation</i> , 2003, 58, 337-348.	1.3	38
22	Fibre orientation of fresh and frozen porcine aorta determined non-invasively using diffusion tensor imaging. <i>Medical Engineering and Physics</i> , 2013, 35, 765-776.	0.8	30
23	Magnetic resonance imaging in patients with borderline personality disorder: A study of volumetric abnormalities. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 1-10.	0.9	30
24	Bimodal magnetic-fluorescent nanostructures for biomedical applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 4081.	6.7	24
25	Characterisation of the antidepressant properties of nitric oxide synthase inhibitors in the olfactory bulbectomised rat model of depression. <i>European Neuropsychopharmacology</i> , 2014, 24, 1349-1361.	0.3	22
26	Quantitative Functional Magnetic Resonance Imaging of Brain Activity Using Bolus-Tracking Arterial Spin Labeling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 913-922.	2.4	21
27	Propofol allows precise quantitative arterial spin labelling functional magnetic resonance imaging in the rat. <i>NeuroImage</i> , 2010, 51, 1395-1404.	2.1	20
28	Glial fibrillary acidic protein (GFAP) immunoreactivity correlates with cortical perfusion parameters determined by bolus tracking arterial spin labelling (bt-ASL) magnetic resonance (MR) imaging in the Wistar Kyoto rat. <i>Physiology and Behavior</i> , 2016, 160, 66-79.	1.0	20
29	Diffusion tensor imaging and arterial tissue: establishing the influence of arterial tissue microstructure on fractional anisotropy, mean diffusivity and tractography. <i>Scientific Reports</i> , 2020, 10, 20718.	1.6	19
30	Langevin equation approach to diffusion magnetic resonance imaging. <i>Physical Review E</i> , 2009, 80, 061102.	0.8	17
31	Imaging Arterial Fibres Using Diffusion Tensor Imaging – Feasibility Study and Preliminary Results. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010, 2010, .	1.0	17
32	Imaging and finite element analysis: A methodology for non-invasive characterization of aortic tissue. <i>Medical Engineering and Physics</i> , 2015, 37, 48-54.	0.8	17
33	Quantifying the ultrastructure of carotid arteries using high-resolution micro-diffusion tensor imaging – comparison of intact versus open cut tissue. <i>Physics in Medicine and Biology</i> , 2017, 62, 8850-8868.	1.6	17
34	MRI of small human stroke shows reversible diffusion changes in subcortical gray matter. <i>NeuroReport</i> , 2000, 11, 2021-2024.	0.6	15
35	Ageing-Related Microstructural Alterations Along the Length of the Cingulum Bundle. <i>Brain Connectivity</i> , 2017, 7, 366-372.	0.8	15
36	Bolus-tracking arterial spin labelling: theoretical and experimental results. <i>Physics in Medicine and Biology</i> , 2009, 54, 1235-1251.	1.6	14

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37	Assessment of diffusion and perfusion deficits in patients with small subcortical ischemia. American Journal of Neuroradiology, 2003, 24, 1355-63.	1.2	12
38	High spin structure in ^{127}Xe and ^{125}Xe . Zeitschrift für Physik A, 1993, 347, 71-72.	0.9	10
39	Evaluation of an AIF correction algorithm for dynamic susceptibility contrast-enhanced perfusion MRI. Magnetic Resonance in Medicine, 2008, 60, 102-110.	1.9	9
40	<scp>MDMA</scp> â€œecstasyâ€™ increases cerebral cortical perfusion determined by bolusâ€tracking arterial spin labelling (<scp>btASL</scp>) <scp>MRI</scp>. British Journal of Pharmacology, 2013, 169, 974-987.	2.7	6
41	Evaluation of a Validation Method for MR Imaging-Based Motion Tracking Using Image Simulation. Eurasip Journal on Advances in Signal Processing, 2009, 2010, .	1.0	5
42	Chronic immobilization stress occludes in vivo cortical activation in an animal model of panic induced by carbon dioxide inhalation. Frontiers in Behavioral Neuroscience, 2014, 8, 311.	1.0	5
43	Quantitative susceptibility mapping of carotid arterial tissue ex vivo: Assessing sensitivity to vessel microstructural composition. Magnetic Resonance in Medicine, 2021, 86, 2512-2527.	1.9	5
44	Analogous negative parity spectra of ^{125}Xe and ^{127}Xe . Zeitschrift für Physik A, 1995, 350, 287-288.	0.9	4
45	Investigation of the mechanisms mediating MDMA â€œEcstasyâ€-induced increases in cerebro-cortical perfusion determined by btASL MRI. Psychopharmacology, 2015, 232, 1501-1513.	1.5	4
46	Exploring arterial tissue microstructural organization using non-Gaussian diffusion magnetic resonance schemes. Scientific Reports, 2021, 11, 22247.	1.6	4
47	Elucidating the complex organization of neural micro-domains in the locust <i>Schistocerca gregaria</i> using dMRI. Scientific Reports, 2021, 11, 3418.	1.6	1
48	Cerebral Blood Flow, Hemoglobin Oxygenation, and Water Diffusion Changes During Stroke: Fingerprinting with Near-Infrared Spectroscopy and MRI. , 2001, , 232-240.		1
49	[P3â€“346]: AGINGâ€RELATED MICROSTRUCTURAL ALTERATIONS ALONG THE LENGTH OF THE CINGULUM BUNDLE. Alzheimer's and Dementia, 2017, 13, P1087.	0.4	0
50	High Precision Measurement of Mean Transit Time for Pharmacological MRI. Stroke, 2001, 32, 345-345.	1.0	0
51	An Anisotropic Structural Model of the Aortic Wall Based on Tensile Tests and Non-Invasive 3D Fibre Analysis Using Diffusion Tensor Imaging. , 2009, , .		0