

Christian M Kerskens

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7575142/publications.pdf>

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	Elucidating the complex organization of neural micro-domains in the locust <i>Schistocerca gregaria</i> using dMRI. <i>Scientific Reports</i> , 2021, 11, 3418.	1.6	1
2	Quantitative susceptibility mapping of carotid arterial tissue ex vivo: Assessing sensitivity to vessel microstructural composition. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2512-2527.	1.9	5
3	Exploring arterial tissue microstructural organization using non-Gaussian diffusion magnetic resonance schemes. <i>Scientific Reports</i> , 2021, 11, 22247.	1.6	4
4	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
5	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
6	Aging-Related Microstructural Alterations Along the Length of the Cingulum Bundle. <i>Brain Connectivity</i> , 2017, 7, 366-372.	0.8	15
7	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
8	[P346]: AGING-RELATED MICROSTRUCTURAL ALTERATIONS ALONG THE LENGTH OF THE CINGULUM BUNDLE. <i>Alzheimer's and Dementia</i> , 2017, 13, P1087.	0.4	0
9	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
10	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
11	Investigation of the mechanisms mediating MDMA –Ecstasy–induced increases in cerebro-cortical perfusion determined by btASL MRI. <i>Psychopharmacology</i> , 2015, 232, 1501-1513.	1.5	4
12	Dysregulation between emotion and theory of mind networks in borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 25-32.	0.9	43
13	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
14	Chronic immobilization stress occludes in vivo cortical activation in an animal model of panic induced by carbon dioxide inhalation. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 311.	1.0	5
15	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
16	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
17	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
18	Stable Aqueous Dispersions of Glycopeptide-Grafted Selectably Functionalized Magnetic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3164-3167.	7.2	79

#	ARTICLE	IF	CITATIONS
19	<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
20	Rosiglitazone attenuates the age-related changes in astrocytosis and the deficit in LTP. Neurobiology of Aging, 2012, 33, 162-175.	1.5	51
21	The age-related deficit in LTP is associated with changes in perfusion and blood-brain barrier permeability. Neurobiology of Aging, 2012, 33, 1005.e23-1005.e35.	1.5	68
22	Targeted suppression of claudin-5 decreases cerebral oedema and improves cognitive outcome following traumatic brain injury. Nature Communications, 2012, 3, 849.	5.8	102
23	Imaging Arterial Fibres Using Diffusion Tensor Imagingâ€™Feasibility Study and Preliminary Results. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	17
24	Quantitative Functional Magnetic Resonance Imaging of Brain Activity Using Bolus-Tracking Arterial Spin Labeling. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 913-922.	2.4	21
25	Schizophreniaâ€related endophenotypes in heterozygous neuregulinâ€1 â€knockoutâ€™™ mice. European Journal of Neuroscience, 2010, 31, 349-358.	1.2	68
26	Propofol allows precise quantitative arterial spin labelling functional magnetic resonance imaging in the rat. NeuroImage, 2010, 51, 1395-1404.	2.1	20
27	Experimental Neonatal Status Epilepticus and the Development of Temporal Lobe Epilepsy with Unilateral Hippocampal Sclerosis. American Journal of Pathology, 2010, 176, 330-342.	1.9	40
28	Langevin equation approach to diffusion magnetic resonance imaging. Physical Review E, 2009, 80, 061102.	0.8	17
29	An experimental platform for systemic drug delivery to the retina. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17817-17822.	3.3	71
30	Bolus-tracking arterial spin labelling: theoretical and experimental results. Physics in Medicine and Biology, 2009, 54, 1235-1251.	1.6	14
31	Bimodal magnetic-fluorescent nanostructures for biomedical applications. Journal of Materials Chemistry, 2009, 19, 4081.	6.7	24
32	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
33	An Anisotropic Structural Model of the Aortic Wall Based on Tensile Tests and Non-Invasive 3D Fibre Analysis Using Diffusion Tensor Imaging. , 2009, , .		0
34	Evaluation of an AIF correction algorithm for dynamic susceptibility contrastâ€enhanced perfusion MRI. Magnetic Resonance in Medicine, 2008, 60, 102-110.	1.9	9
35	RNAiâ€mediated reversible opening of the bloodâ€brain barrier. Journal of Gene Medicine, 2008, 10, 930-947.	1.4	102
36	Linear Assemblies of Magnetic Nanoparticles as MRI Contrast Agents. Journal of the American Chemical Society, 2008, 130, 4214-4215.	6.6	142

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Reduced BOLD response to periodic visual stimulation. <i>NeuroImage</i> , 2004, 21, 236-243.	2.1	43
40	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
41	Assessment of diffusion and perfusion deficits in patients with small subcortical ischemia. <i>American Journal of Neuroradiology</i> , 2003, 24, 1355-63.	1.2	12
42	Perfusion and diffusion magnetic resonance imaging in human cerebral venous thrombosis. <i>Journal of Neurology</i> , 2001, 248, 564-571.	1.8	56
43	Cerebral Blood Flow, Hemoglobin Oxygenation, and Water Diffusion Changes During Stroke: Fingerprinting with Near-Infrared Spectroscopy and MRI. , 2001, , 232-240.		1
44	High Precision Measurement of Mean Transit Time for Pharmacological MRI. <i>Stroke</i> , 2001, 32, 345-345.	1.0	0
45	MRI of small human stroke shows reversible diffusion changes in subcortical gray matter. <i>NeuroReport</i> , 2000, 11, 2021-2024.	0.6	15
46	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
47	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
48	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
49	Ultrafast Perfusion-Weighted MRI of Functional Brain Activation in Rats During Forepaw Stimulation: Comparison with T ² -Weighted MRI. , 1996, 9, 20-23.		75
50	Analogous negative parity spectra of ¹²⁵ Xe and ¹²⁷ Xe. <i>Zeitschrift für Physik A</i> , 1995, 350, 287-288.	0.9	4
51	High spin structure in ¹²⁷ Xe and ¹²⁵ Xe. <i>Zeitschrift für Physik A</i> , 1993, 347, 71-72.	0.9	10