

Alexandre A Khrapitchev

List of Publications by Year in descending order

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33
papers

1,561
citations

430442

18
h-index

414034

32
g-index

40
all docs

40
docs citations

40
times ranked

2651
citing authors

#	ARTICLE	IF	CITATIONS
1	Motor Skill Learning Induces Changes in White Matter Microstructure and Myelination. <i>Journal of Neuroscience</i> , 2013, 33, 19499-19503.	1.7	369
2	XTRACT - Standardised protocols for automated tractography in the human and macaque brain. <i>NeuroImage</i> , 2020, 217, 116923.	2.1	165
3	Whole brain comparative anatomy using connectivity blueprints. <i>ELife</i> , 2018, 7, .	2.8	135
4	Molecular MRI enables early and sensitive detection of brain metastases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6674-6679.	3.3	131
5	The extreme capsule fiber complex in humans and macaque monkeys: a comparative diffusion MRI tractography study. <i>Brain Structure and Function</i> , 2016, 221, 4059-4071.	1.2	91
6	What is special about the human arcuate fasciculus? Lateralization, projections, and expansion. <i>Cortex</i> , 2019, 118, 107-115.	1.1	88
7	Dichotomous organization of amygdala/temporal-prefrontal bundles in both humans and monkeys. <i>ELife</i> , 2019, 8, .	2.8	66
8	Quantitative Bayesian model-based analysis of amide proton transfer MRI. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 556-567.	1.9	51
9	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. <i>Nature Communications</i> , 2017, 8, 14254.	5.8	46
10	A versatile method for the preparation of particle-loaded microbubbles for multimodality imaging and targeted drug delivery. <i>Drug Delivery and Translational Research</i> , 2018, 8, 342-356.	3.0	37
11	Quantitative blood flow measurement in rat brain with multiphase arterial spin labelling magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1557-1569.	2.4	33
12	<i>T</i> ₂ -Weighted MRI Detects Presymptomatic Pathology in the SOD1 Mouse Model of ALS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 785-793.	2.4	32
13	White matter structure and myelin-related gene expression alterations with experience in adult rats. <i>Progress in Neurobiology</i> , 2020, 187, 101770.	2.8	30
14	Neurovascular and neuroimaging effects of the hallucinogenic serotonin receptor agonist psilocin in the rat brain. <i>Neuropharmacology</i> , 2015, 99, 210-220.	2.0	29
15	Structural and functional effects of metastases in rat brain determined by multimodal MRI. <i>International Journal of Cancer</i> , 2014, 134, 885-896.	2.3	25
16	VCAM-1-targeted MRI Enables Detection of Brain Micrometastases from Different Primary Tumors. <i>Clinical Cancer Research</i> , 2019, 25, 533-543.	3.2	25
17	Dy-DOTA integrated mesoporous silica nanoparticles as promising ultrahigh field magnetic resonance imaging contrast agents. <i>Nanoscale</i> , 2018, 10, 21041-21045.	2.8	24
18	The Digital Brain Bank, an open access platform for post-mortem imaging datasets. <i>ELife</i> , 2022, 11, .	2.8	22

#	ARTICLE	IF	CITATIONS
19	Time-dependent velocities in porous media dispersive flow. <i>Magnetic Resonance Imaging</i> , 2001, 19, 301-305.	1.0	21
20	STAT3-Mediated Astrocyte Reactivity Associated with Brain Metastasis Contributes to Neurovascular Dysfunction. <i>Cancer Research</i> , 2020, 80, 5642-5655.	0.4	18
21	Systemic inflammation alters central 5-HT function as determined by pharmacological MRI. <i>NeuroImage</i> , 2013, 75, 177-186.	2.1	16
22	A novel molecular magnetic resonance imaging agent targeting activated leukocyte cell adhesion molecule as demonstrated in mouse brain metastasis models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 41, 0271678X2096894.	2.4	16
23	Optimization of molecularly targeted MRI in the brain: empirical comparison of sequences and particles. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4345-4359.	3.3	15
24	Scaling Principles of White Matter Connectivity in the Human and Nonhuman Primate Brain. <i>Cerebral Cortex</i> , 2022, 32, 2831-2842.	1.6	14
25	Determination of an optimally sensitive and specific chemical exchange saturation transfer MRI quantification metric in relevant biological phantoms. <i>NMR in Biomedicine</i> , 2016, 29, 1624-1633.	1.6	12
26	Diffusion MRI data, sulcal anatomy, and tractography for eight species from the Primate Brain Bank. <i>Brain Structure and Function</i> , 2021, 226, 2497-2509.	1.2	12
27	Cortical Morphology and White Matter Tractography of Three Phylogenetically Distant Primates: Evidence for a Simian Elaboration. <i>Cerebral Cortex</i> , 2022, 32, 1608-1624.	1.6	11
28	Sensitivity of Multiphase Pseudocontinuous Arterial Spin Labelling (MP pCASL) Magnetic Resonance Imaging for Measuring Brain and Tumour Blood Flow in Mice. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-11.	0.4	10
29	Improved detection of molecularly targeted iron oxide particles in mouse brain using B0 field stabilised high resolution MRI. <i>Magnetic Resonance Imaging</i> , 2020, 67, 101-108.	1.0	4
30	Choice of reference measurements affects quantification of long diffusion time behaviour using stimulated echoes. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 952-959.	1.9	3
31	Spatial dependence of dispersion. <i>Magnetic Resonance Imaging</i> , 2003, 21, 373-375.	1.0	1
32	Magnetic Resonance pH Imaging in Stroke – Combining the Old With the New. <i>Frontiers in Physiology</i> , 2021, 12, 793741.	1.3	1
33	OPO5. ARTERIAL SPIN LABELLING MRI OF CEREBRAL TUMOURS IN RATS. <i>Neuro-Oncology</i> , 2017, 19, i25-i25.	0.6	0