

Desmond H Y Tse

List of Publications by Year in descending order

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33
papers

773
citations

471509

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552781

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33
all docs

33
docs citations

33
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Me, myself, bye: regional alterations in glutamate and the experience of ego dissolution with psilocybin. <i>Neuropsychopharmacology</i> , 2020, 45, 2003-2011.	5.4	127
2	Static and dynamic magnetic properties of Ni antidot arrays. <i>Physical Review B</i> , 2009, 79, .	3.2	47
3	Spontaneous and deliberate creative cognition during and after psilocybin exposure. <i>Translational Psychiatry</i> , 2021, 11, 209.	4.8	46
4	Cannabis induced increase in striatal glutamate associated with loss of functional corticostriatal connectivity. <i>European Neuropsychopharmacology</i> , 2019, 29, 247-256.	0.7	45
5	Ultra-high resolution blood volume fMRI and BOLD fMRI in humans at 9.4 T: Capabilities and challenges. <i>NeuroImage</i> , 2018, 178, 769-779.	4.2	44
6	Reduced responsiveness of the reward system is associated with tolerance to cannabis impairment in chronic users. <i>Addiction Biology</i> , 2021, 26, e12870.	2.6	31
7	Exquisitely balanced thermal sensitivity of the stochastic switching process in macroscopic ferromagnetic ring elements. <i>Physical Review B</i> , 2005, 72, .	3.2	30
8	High resolution anatomical and quantitative MRI of the entire human occipital lobe ex vivo at 9.4 T. <i>NeuroImage</i> , 2018, 168, 162-171.	4.2	29
9	Magnetization reversal in individual micrometer-sized polycrystalline Permalloy rings. <i>Journal of Applied Physics</i> , 2005, 97, 063910.	2.5	28
10	Effect of substrate roughness on the magnetic properties of thin fcc Co films. <i>Physical Review B</i> , 2007, 76, .	3.2	27
11	Ultra-high resolution and multi-shell diffusion MRI of intact ex vivo human brains using kT-dSTEAM at 9.4T. <i>NeuroImage</i> , 2019, 202, 116087.	4.2	24
12	GABA Concentration in Posterior Cingulate Cortex Predicts Putamen Response during Resting State fMRI. <i>PLoS ONE</i> , 2014, 9, e106609.	2.5	24
13	Volumetric imaging with homogenised excitation and static field at 9.4 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 333-345.	2.0	23
14	High-resolution gradient-recalled echo imaging at 9.4T using 16-channel parallel transmit simultaneous multislice spokes excitations with slice-by-slice flip angle homogenization. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1050-1058.	3.0	22
15	Localized Magnetic Fields in Arbitrary Directions Using Patterned Nanomagnets. <i>Nano Letters</i> , 2010, 10, 1549-1553.	9.1	21
16	Tensor-Based Morphometry and Stereology Reveal Brain Pathology in the Complexin1 Knockout Mouse. <i>PLoS ONE</i> , 2012, 7, e32636.	2.5	21
17	Encoding methods for B_1 mapping in parallel transmit systems at ultra high field. <i>Journal of Magnetic Resonance</i> , 2014, 245, 125-132.	2.1	20
18	inhomogeneity mitigation in CEST using parallel transmission. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2216-2225.	3.0	18

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19	Real-time 2D spatially selective MRI experiments: Comparative analysis of optimal control design methods. <i>Journal of Magnetic Resonance</i> , 2015, 254, 110-120.	2.1	17
20	B0 insensitive multiple-quantum resolved sodium imaging using a phase-rotation scheme. <i>Journal of Magnetic Resonance</i> , 2013, 228, 32-36.	2.1	16
21	Application of the limited-memory quasi-Newton algorithm for multi-dimensional, large flip-angle RF pulses at 7T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017, 30, 29-39.	2.0	16
22	Glutamatergic and GABAergic reactivity and cognition in 22q11.2 deletion syndrome and healthy volunteers: A randomized double-blind 7-Tesla pharmacological MRS study. <i>Journal of Psychopharmacology</i> , 2020, 34, 856-863.	4.0	14
23	GABA metabolism and its role in gamma-band oscillatory activity during auditory processing: An MRS and EEG study. <i>Human Brain Mapping</i> , 2017, 38, 3975-3987.	3.6	13
24	High field imaging of large-scale neurotransmitter networks: Proof of concept and initial application to epilepsy. <i>NeuroImage: Clinical</i> , 2018, 19, 47-55.	2.7	13
25	Efficient Spin Detection Across the Hybrid Co/GaAs Schottky Interface. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 2872-2874.	2.1	11
26	Estimating and eliminating the excitation errors in bipolar gradient composite excitations caused by radiofrequency gradient delay: Example of bipolar spokes pulses in parallel transmission. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1883-1890.	3.0	11
27	Microstructural and functional correlates of glutamate concentration in the posterior cingulate cortex. <i>Journal of Neuroscience Research</i> , 2017, 95, 1796-1808.	2.9	10
28	Rapid microscopic fractional anisotropy imaging via an optimized linear regression formulation. <i>Magnetic Resonance Imaging</i> , 2021, 80, 132-143.	1.8	7
29	RF peak power reduction in CAIPIRINHA excitation by interslice phase optimization. <i>NMR in Biomedicine</i> , 2015, 28, 1393-1401.	2.8	6
30	Association between Cortical GABA and Loudness Dependence of Auditory Evoked Potentials (LDAEP) in Humans. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 809-813.	2.1	5
31	Riluzole effectively treats psychotic symptoms and improves cognition in 22q11.2 deletion syndrome: A clinical case. <i>European Journal of Medical Genetics</i> , 2019, 62, 103705.	1.3	4
32	On the reproducibility of hippocampal MEGA-sLASER GABA MRS at 7T using an optimized analysis pipeline. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 427-436.	2.0	3
33	Stochastic switching in individual micrometre-sized Permalloy rings. <i>Physica B: Condensed Matter</i> , 2006, 372, 164-167.	2.7	0