

Desmond H Y Tse

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8406676/publications.pdf>

Version: 2024-02-01

33
papers

773
citations

471509

17
h-index

552781

26
g-index

33
all docs

33
docs citations

33
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Spontaneous and deliberate creative cognition during and after psilocybin exposure. <i>Translational Psychiatry</i> , 2021, 11, 209.	4.8	46
4	Rapid microscopic fractional anisotropy imaging via an optimized linear regression formulation. <i>Magnetic Resonance Imaging</i> , 2021, 80, 132-143.	1.8	7
5	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
6	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
7	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
8	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
9	Cannabis induced increase in striatal glutamate associated with loss of functional corticostriatal connectivity. <i>European Neuropsychopharmacology</i> , 2019, 29, 247-256.	0.7	45
10	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
11	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
12	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
13	Ultra-high resolution blood volume fMRI and BOLD fMRI in humans at 9.4T: Capabilities and challenges. <i>NeuroImage</i> , 2018, 178, 769-779.	4.2	44
14	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
15	Inhomogeneity mitigation in CEST using parallel transmission. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2216-2225.	3.0	18
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Application of the limited-memory quasi-Newton algorithm for multi-dimensional, large flip-angle RF pulses at 7T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 29-39.	2.0	16
20	Volumetric imaging with homogenised excitation and static field at 9.4 T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 333-345.	2.0	23
21	RF peak power reduction in CAIPIRINHA excitation by interslice phase optimization. NMR in Biomedicine, 2015, 28, 1393-1401.	2.8	6
22	Real-time 2D spatially selective MRI experiments: Comparative analysis of optimal control design methods. Journal of Magnetic Resonance, 2015, 254, 110-120.	2.1	17
23	Encoding methods for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si33.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mfrac} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mfrac} \rangle 1 \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle 20 \langle \text{mml:mn} \rangle 125-132.$ mapping in parallel transmit systems at ultra high field. Journal of Magnetic Resonance, 2014, 245, 125-132.	2.1	20
24	GABA Concentration in Posterior Cingulate Cortex Predicts Putamen Response during Resting State fMRI. PLoS ONE, 2014, 9, e106609.	2.5	24
25	B0 insensitive multiple-quantum resolved sodium imaging using a phase-rotation scheme. Journal of Magnetic Resonance, 2013, 228, 32-36.	2.1	16
26	Tensor-Based Morphometry and Stereology Reveal Brain Pathology in the Complexin1 Knockout Mouse. PLoS ONE, 2012, 7, e32636.	2.5	21
27	Localized Magnetic Fields in Arbitrary Directions Using Patterned Nanomagnets. Nano Letters, 2010, 10, 1549-1553.	9.1	21
28	Static and dynamic magnetic properties of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle Ni \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 30 \langle \text{mml:mn} \rangle 47 \langle \text{mml:mn} \rangle 80 \langle \text{mml:mn} \rangle 1$ antidot arrays. Physical Review B, 2009, 79, .	3.2	47
29	Effect of substrate roughness on the magnetic properties of thin fcc Co films. Physical Review B, 2007, 76, .	3.2	27
30	Efficient Spin Detection Across the Hybrid Co/GaAs Schottky Interface. IEEE Transactions on Magnetics, 2007, 43, 2872-2874.	2.1	11
31	Stochastic switching in individual micrometre-sized Permalloy rings. Physica B: Condensed Matter, 2006, 372, 164-167.	2.7	0
32	Magnetization reversal in individual micrometer-sized polycrystalline Permalloy rings. Journal of Applied Physics, 2005, 97, 063910.	2.5	28
33	Exquisitely balanced thermal sensitivity of the stochastic switching process in macroscopic ferromagnetic ring elements. Physical Review B, 2005, 72, .	3.2	30