Shuo Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8895288/publications.pdf

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22	1,754	567281 15	752698 20
papers	citations	h-index	g-index

23	23	23	3045
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Near-infrared deep brain stimulation via upconversion nanoparticleâ€“mediated optogenetics. Science, 2018, 359, 679-684.	12.6	856
2	Kilohertz two-photon fluorescence microscopy imaging of neural activity in vivo. Nature Methods, 2020, 17, 287-290.	19.0	155
3	Enzyme-assisted extraction of flavonoids from Ginkgo biloba leaves: Improvement effect of flavonol transglycosylation catalyzed by Penicillium decumbens cellulase. Enzyme and Microbial Technology, 2011, 48, 100-105.	3.2	129
4	A hypothalamic novelty signal modulates hippocampal memory. Nature, 2020, 586, 270-274.	27.8	121
5	Ultrafast water permeation through nanochannels with a densely fluorous interior surface. Science, 2022, 376, 738-743.	12.6	82
6	Altered hippocampal replay is associated with memory impairment in mice heterozygous for the Scn2a gene. Nature Neuroscience, 2018, 21, 996-1003.	14.8	60
7	Visualization of Intraâ€neuronal Motor Protein Transport through Upconversion Microscopy. Angewandte Chemie - International Edition, 2019, 58, 9262-9268.	13.8	52
8	Subnanoscale hydrophobic modulation of salt bridges in aqueous media. Science, 2015, 348, 555-559.	12.6	51
9	Active inclusion bodies of acid phosphatase PhoC: aggregation induced by GFP fusion and activities modulated by linker flexibility. Microbial Cell Factories, 2013, 12, 25.	4.0	39
10	Characteristics of low molecular weight heparin production by an ultrafiltration membrane bioreactor using maltose binding protein fused heparinase I. Biochemical Engineering Journal, 2009, 46, 193-198.	3.6	37
11	Visualization of Intraâ€neuronal Motor Protein Transport through Upconversion Microscopy. Angewandte Chemie, 2019, 131, 9363-9369.	2.0	34
12	Revealing Molecular Mechanisms in Hierarchical Nanoporous Carbon via Nuclear Magnetic Resonance. Matter, 2020, 3, 2093-2107.	10.0	34
13	Biochemical analysis and kinetic modeling of the thermal inactivation of MBPâ€fused heparinase I: Implications for a comprehensive thermostabilization strategy. Biotechnology and Bioengineering, 2011, 108, 1841-1851.	3.3	22
14	Combination of site-directed mutagenesis and calcium ion addition for enhanced production of thermostable MBP-fused heparinase I in recombinant Escherichia coli. Applied Microbiology and Biotechnology, 2013, 97, 2907-2916.	3.6	20
15	Employing Bifunctional Enzymes for Enhanced Extraction of Bioactives from Plants: Flavonoids as an Example. Journal of Agricultural and Food Chemistry, 2013, 61, 7941-7948.	5.2	18
16	Optical modulation goes deep in the brain. Science, 2019, 365, 456-457.	12.6	13
17	Rational design of a tripartite fusion protein of heparinase I enables one-step affinity purification and real-time activity detection. Journal of Biotechnology, 2013, 163, 30-37.	3.8	12
18	Towards minimally invasive deep brain stimulation and imaging: A near-infrared upconversion approach. Neuroscience Research, 2020, 152, 59-65.	1.9	10

#	Article	IF	Citations
19	Further-reaching optogenetics. Nature Biomedical Engineering, 2020, 4, 1028-1029.	22.5	4
20	Near-infrared Deep Brain Stimulation in Living Mice. Methods in Molecular Biology, 2020, 2173, 71-82.	0.9	2
21	Anomalously Slow Conformational Change Dynamics of Polar Groups Anchored to Hydrophobic Surfaces in Aqueous Media. Chemistry - an Asian Journal, 2020, 15, 3321-3325.	3.3	0
22	Near-infrared deep brain stimulation via upconversion nanoparticle-mediated optogenetics. , 2019, , .		0