

# Shuo Chen

## List of Publications by Year in descending order

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

Version: 2024-02-01

22  
papers

1,754  
citations

567281

15  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

3045  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast water permeation through nanochannels with a densely fluorinated interior surface. <i>Science</i> , 2022, 376, 738-743.	12.6	82
2	A hypothalamic novelty signal modulates hippocampal memory. <i>Nature</i> , 2020, 586, 270-274.	27.8	121
3	Anomalously Slow Conformational Change Dynamics of Polar Groups Anchored to Hydrophobic Surfaces in Aqueous Media. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3321-3325.	3.3	0
4	Further-reaching optogenetics. <i>Nature Biomedical Engineering</i> , 2020, 4, 1028-1029.	22.5	4
5	Kilohertz two-photon fluorescence microscopy imaging of neural activity in vivo. <i>Nature Methods</i> , 2020, 17, 287-290.	19.0	155
6	Towards minimally invasive deep brain stimulation and imaging: A near-infrared upconversion approach. <i>Neuroscience Research</i> , 2020, 152, 59-65.	1.9	10
7	Revealing Molecular Mechanisms in Hierarchical Nanoporous Carbon via Nuclear Magnetic Resonance. <i>Matter</i> , 2020, 3, 2093-2107.	10.0	34
8	Near-infrared Deep Brain Stimulation in Living Mice. <i>Methods in Molecular Biology</i> , 2020, 2173, 71-82.	0.9	2
9	Optical modulation goes deep in the brain. <i>Science</i> , 2019, 365, 456-457.	12.6	13
10	Visualization of Intra-neuronal Motor Protein Transport through Upconversion Microscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9262-9268.	13.8	52
11	Visualization of Intra-neuronal Motor Protein Transport through Upconversion Microscopy. <i>Angewandte Chemie</i> , 2019, 131, 9363-9369.	2.0	34
12	Near-infrared deep brain stimulation via upconversion nanoparticle-mediated optogenetics. , 2019, , .		0
13	Near-infrared deep brain stimulation via upconversion nanoparticle-mediated optogenetics. <i>Science</i> , 2018, 359, 679-684.	12.6	856
14	Altered hippocampal replay is associated with memory impairment in mice heterozygous for the <i>Scn2a</i> gene. <i>Nature Neuroscience</i> , 2018, 21, 996-1003.	14.8	60
15	Subnanoscale hydrophobic modulation of salt bridges in aqueous media. <i>Science</i> , 2015, 348, 555-559.	12.6	51
16	Active inclusion bodies of acid phosphatase PhoC: aggregation induced by GFP fusion and activities modulated by linker flexibility. <i>Microbial Cell Factories</i> , 2013, 12, 25.	4.0	39
17	Combination of site-directed mutagenesis and calcium ion addition for enhanced production of thermostable MBP-fused heparinase I in recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2907-2916.	3.6	20
18	Employing Bifunctional Enzymes for Enhanced Extraction of Bioactives from Plants: Flavonoids as an Example. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7941-7948.	5.2	18

#	ARTICLE	IF	CITATIONS
19	Rational design of a tripartite fusion protein of heparinase I enables one-step affinity purification and real-time activity detection. <i>Journal of Biotechnology</i> , 2013, 163, 30-37.	3.8	12
20	Biochemical analysis and kinetic modeling of the thermal inactivation of MBP-fused heparinase I: Implications for a comprehensive thermostabilization strategy. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1841-1851.	3.3	22
21	Enzyme-assisted extraction of flavonoids from Ginkgo biloba leaves: Improvement effect of flavonol transglycosylation catalyzed by <i>Penicillium decumbens</i> cellulase. <i>Enzyme and Microbial Technology</i> , 2011, 48, 100-105.	3.2	129
22	Characteristics of low molecular weight heparin production by an ultrafiltration membrane bioreactor using maltose binding protein fused heparinase I. <i>Biochemical Engineering Journal</i> , 2009, 46, 193-198.	3.6	37