

Takuma Sugi

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

521
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

771
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Background-Free Selective Imaging of Fluorescent Nanodiamonds in Vivo. <i>Nano Letters</i> , 2012, 12, 5726-5732.	9.1	177
2	Regulation of behavioral plasticity by systemic temperature signaling in <i>Caenorhabditis elegans</i> . <i>Nature Neuroscience</i> , 2011, 14, 984-992.	14.8	70
3	Identification of the AFD neuron as the site of action of the CREB protein in <i>Caenorhabditis elegans</i> thermotaxis. <i>EMBO Reports</i> , 2011, 12, 855-862.	4.5	52
4	Crystal structures of autoinhibitory PDZ domain of Tamalin: implications for metabotropic glutamate receptor trafficking regulation. <i>EMBO Journal</i> , 2007, 26, 2192-2205.	7.8	47
5	<i>C. elegans</i> collectively forms dynamical networks. <i>Nature Communications</i> , 2019, 10, 683.	12.8	37
6	Tracking the 3D Rotational Dynamics in Nanoscopic Biological Systems. <i>Journal of the American Chemical Society</i> , 2020, 142, 7542-7554.	13.7	34
7	Optically Detected Magnetic Resonance of Nanodiamonds & In Vivo; Implementation of Selective Imaging and Fast Sampling. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1014-1021.	0.9	18
8	Genome Editing in <i>C. elegans</i> and Other Nematode Species. <i>International Journal of Molecular Sciences</i> , 2016, 17, 295.	4.1	16
9	High-throughput optical quantification of mechanosensory habituation reveals neurons encoding memory in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17236-17241.	7.1	15
10	Nanoscale Mechanical Stimulation Method for Quantifying <i>C. elegans</i> Mechanosensory Behavior and Memory. <i>Analytical Sciences</i> , 2016, 32, 1159-1164.	1.6	13
11	Structural insights into the PIP2 recognition by syntenin-1 PDZ domain. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 373-378.	2.1	12
12	Versatile strategy for isolating transcription activator-like effector nuclease-mediated knockout mutants in <i>Caenorhabditis elegans</i> . <i>Development Growth and Differentiation</i> , 2014, 56, 78-85.	1.5	12
13	All-Optical Wide-Field Selective Imaging of Fluorescent Nanodiamonds in Cells, In Vivo and Ex Vivo. <i>ACS Nano</i> , 2021, 15, 12869-12879.	14.6	10
14	Noninvasive Mechanochemical Imaging in Unconstrained <i>Caenorhabditis elegans</i> . <i>Materials</i> , 2018, 11, 1034.	2.9	7
15	Simplified method for cell-specific gene expression analysis in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 330-334.	2.1	1