

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