

# Motomichi Doi

## List of Publications by Year in descending order

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32  
papers

633  
citations

623734

14  
h-index

580821

25  
g-index

33  
all docs

33  
docs citations

33  
times ranked

857  
citing authors

#	ARTICLE	IF	CITATIONS
1	A locus for female discrimination behavior causing sexual isolation in <i>Drosophila</i> . Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6714-6719.	7.1	107
2	Regulation of Retrograde Signaling at Neuromuscular Junctions by the Novel C2 Domain Protein AEX-1. <i>Neuron</i> , 2002, 33, 249-259.	8.1	79
3	Melatonin signaling regulates locomotion behavior and homeostatic states through distinct receptor pathways in <i>Caenorhabditis elegans</i> . <i>Neuropharmacology</i> , 2007, 53, 157-168.	4.1	53
4	(Z,Z)-5,27-Tritriacontadiene: Major sex pheromone of <i>Drosophila pallidosa</i> (Diptera; Drosophilidae). <i>Journal of Chemical Ecology</i> , 1994, 20, 3029-3037.	1.8	38
5	Anticancer activity of the supercritical extract of Brazilian green propolis and its active component, artepillin A: Bioinformatics and experimental analyses of its mechanisms of action. <i>International Journal of Oncology</i> , 2018, 52, 925-932.	3.3	34
6	Development of new fusion proteins for visualizing amyloid- $\beta$ oligomers in vivo. <i>Scientific Reports</i> , 2016, 6, 22712.	3.3	32
7	Na <sup>+</sup> /K <sup>+</sup> ATPase regulates the expression and localization of acetylcholine receptors in a pump activity-independent manner. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 548-558.	2.2	30
8	Behavioral Response of Males to Major Sex Pheromone Component, (Z,Z)-5,25-Hentriacontadiene, of <i>Drosophila ananassae</i> Females. <i>Journal of Chemical Ecology</i> , 1997, 23, 2067-2078.	1.8	26
9	A Computational Model Based on Multi-Regional Calcium Imaging Represents the Spatio-Temporal Dynamics in a <i>Caenorhabditis elegans</i> Sensory Neuron. <i>PLoS ONE</i> , 2017, 12, e0168415.	2.5	26
10	Evolution in the <i>Drosophila ananassae</i> species subgroup. <i>Fly</i> , 2009, 3, 157-169.	1.7	24
11	Search for species-specific mating signal in courtship songs of sympatric sibling species, <i>Drosophila ananassae</i> and <i>D. pallidosa</i> . <i>Genes and Genetic Systems</i> , 2002, 77, 97-106.	0.7	23
12	In Vivo Remote Control of Reactions in <i>Caenorhabditis elegans</i> by Using Supramolecular Nanohybrids of Carbon Nanotubes and Liposomes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9903-9906.	13.8	17
13	Utilization of proliferable extracellular amastigotes for transient gene expression, drug sensitivity assay, and CRISPR/Cas9-mediated gene knockout in <i>Trypanosoma cruzi</i> . <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007088.	3.0	17
14	Genetic analysis of <i>Drosophila virilis</i> sex pheromone: genetic mapping of the locus producing Z-(II)-pentacosene. <i>Genetical Research</i> , 1996, 68, 17-21.	0.9	15
15	An Excitatory/Inhibitory Switch From Asymmetric Sensory Neurons Defines Postsynaptic Tuning for a Rapid Response to NaCl in <i>Caenorhabditis elegans</i> . <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 484.	2.9	15
16	New Alzheimer's disease model mouse specialized for analyzing the function and toxicity of intraneuronal Amyloid $\beta$ oligomers. <i>Scientific Reports</i> , 2019, 9, 17368.	3.3	13
17	<i>Caenorhabditis elegans</i> Rab escort protein (REP-1) differently regulates each Rab protein function and localization in a tissue-dependent manner. <i>Genes To Cells</i> , 2008, 13, 1141-1157.	1.2	11
18	The novel Rac effector RIN-1 regulates neuronal cell migration and axon pathfinding in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2013, 140, 3435-3444.	2.5	11

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19	Fluorescent silica nanoparticles modified chemically with terbium complexes as potential bioimaging probes: their fluorescence and colloidal properties in water. <i>New Journal of Chemistry</i> , 2015, 39, 1452-1458.	2.8	10
20	In Vivo Simultaneous Analysis of Gene Expression by Dual-Color Luciferases in <i>Caenorhabditis elegans</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 119.	4.1	7
21	The non-neuronal syntaxin SYN-1 regulates defecation behavior and neural activity in <i>C. elegans</i> through interaction with the Munc13-like protein AEX-1. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 404-408.	2.1	6
22	Photothermal and mechanical stimulation of cells via dualfunctional nanohybrids. <i>Nanotechnology</i> , 2016, 27, 475102.	2.6	6
23	In Vivo Study of the Efficacy and Safety of 5-Aminolevulinic Radiodynamic Therapy for Glioblastoma Fractionated Radiotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9762.	4.1	6
24	Characterization of phalloidin $\alpha$ -negative nuclear actin filaments in <i>U2OS</i> cells expressing cytoplasmic actin $\alpha$ -EGFP. <i>Genes To Cells</i> , 2022, 27, 317-330.	1.2	6
25	Yeast One-Hybrid $G\beta^3$ Recruitment System for Identification of Protein Lipidation Motifs. <i>PLoS ONE</i> , 2013, 8, e70100.	2.5	5
26	Regulation of chromatin states and gene expression during HSN neuronal maturation is mediated by EOR-1/PLZF, MAU-2/cohesin loader, and SWI/SNF complex. <i>Scientific Reports</i> , 2018, 8, 7942.	3.3	5
27	Inositol 1,4,5-trisphosphate receptor determines intracellular $Ca^{2+}$ concentration in <i>Trypanosoma cruzi</i> throughout its life cycle. <i>FEBS Open Bio</i> , 2016, 6, 1178-1185.	2.3	4
28	Development of a motion-based cell-counting system for <i>Trypanosoma</i> parasite using a pattern recognition approach. <i>BioTechniques</i> , 2019, 66, 179-185.	1.8	3
29	Intestinal $\beta$ -box protein regulates quick avoidance behavior of <i>Caenorhabditis elegans</i> to the pathogenic bacterium <i>Pseudomonas aeruginosa</i> . <i>Genes To Cells</i> , 2019, 24, 192-201.	1.2	2
30	Retrogradely transmitted $\beta$ -synuclein is taken up by the endophilin-independent endocytosis in the <i>C. elegans</i> neural circuit. <i>Biochemical and Biophysical Research Communications</i> , 2021, 552, 176-182.	2.1	2
31	The novel Rac effector RIN-1 regulates neuronal cell migration and axon pathfinding in <i>C. elegans</i> . <i>Journal of Cell Science</i> , 2013, 126, e1-e1.	2.0	0
32	EOR-1 mediates non-cell autonomous regulation of <i>abts-1</i> gene expression in HSNs. <i>MicroPublication Biology</i> , 2018, 2018, .	0.1	0