Mitsuo Ikebe

List of Publications by Year
in descending order

64 papers	2,202 citations	230014 27 h-index	263392 45 g-index
64 all docs	64 docs citations	64 times ranked	2136 citing authors

#	Article	IF	Citations
1	DOCK2 Promotes Pleural Fibrosis by Modulating Mesothelial to Mesenchymal Transition. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 171-182.	1.4	11
2	Calponin 1 contributes to myofibroblast differentiation of human pleural mesothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L348-L364.	1.3	7
3	PD-L1 mediates lung fibroblast to myofibroblast transition through Smad3 and Î²-catenin signaling pathways. Scientific Reports, 2022, 12, 3053.	1.6	23
4	Caveolin-1-Derived Peptide Reduces ER Stress and Enhances Gelatinolytic Activity in IPF Fibroblasts. International Journal of Molecular Sciences, 2022, 23, 3316.	1.8	1
5	Mitochondria-associated myosin 19 processively transports mitochondria on actin tracks in living cells. Journal of Biological Chemistry, 2022, 298, 101883.	1.6	15
6	Myo5b Transports Fibronectin-Containing Vesicles and Facilitates FN1 Secretion from Human Pleural Mesothelial Cells. International Journal of Molecular Sciences, 2022, 23, 4823.	1.8	6
7	NOX1 Promotes Mesothelialâ€"Mesenchymal Transition through Modulation of Reactive Oxygen Speciesâ€"mediated Signaling. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 492-503.	1.4	7
8	TGF-Î² regulation of the uPA/uPAR axis modulates mesothelial-mesenchymal transition (MesoMT). Scientific Reports, 2021, 11, 21210.	1.6	2
9	p116^{Rip} promotes myosin phosphatase activity in airway smooth muscle cells. Journal of Cellular Physiology, 2020, 235, 114-127.	2.0	7
10	Cryo-EM structure of the inhibited (10S) form of myosin II. Nature, 2020, 588, 521-525.	13.7	59
11	The central role of the tail in switching off 10S myosin II activity. Journal of General Physiology, 2019, 151, 1081-1093.	0.9	15
12	Proliferative regulation of alveolar epithelial type 2 progenitor cells by human <i>Scnn1d</i> gene. Theranostics, 2019, 9, 8155-8170.	4.6	12
13	Myocardin Is Involved in Mesothelialâ€"Mesenchymal Transition of Human Pleural Mesothelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 86-96.	1.4	16
14	Interacting-heads motif has been conserved as a mechanism of myosin II inhibition since before the origin of animals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1991-E2000.	3.3	70
15	The Antiparallel Dimerization of Myosin X Imparts Bundle Selectivity for Processive Motility. Biophysical Journal, 2018, 114, 1400-1410.	0.2	12
16	Visualization of stimulus-specific heterogeneous activation of individual vascular smooth muscle cells in aortic tissues. Journal of Cellular Physiology, 2018, 233, 434-446.	2.0	8
17	Rac1 modulates G-protein-coupled receptor-induced bronchial smooth muscle contraction. European Journal of Pharmacology, 2018, 818, 74-83.	1.7	15
18	Fibrin turnover and pleural organization: bench to bedside. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L757-L768.	1.3	30

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19	Myosin X and Cytoskeletal Reorganization. Applied Microscopy, 2018, 48, 33-42.	0.8	1
20	Human myosin VIIa is a very slow processive motor protein on various cellular actin structures. Journal of Biological Chemistry, 2017, 292, 10950-10960.	1.6	17
21	Activated full-length myosin-X moves processively on filopodia with large steps toward diverse two-dimensional directions. Scientific Reports, 2017, 7, 44237.	1.6	12
22	Myosin X is recruited to nascent focal adhesions at the leading edge and induces multi-cycle filopodial elongation. Scientific Reports, 2017, 7, 13685.	1.6	37
23	Inhibition of Glycogen Synthase Kinase 3Î² Blocks Mesomesenchymal Transition and Attenuates Streptococcus pneumoniaâ€"Mediated Pleural Injury in Mice. American Journal of Pathology, 2017, 187, 2461-2472.	1.9	31
24	KIF5A transports collagen vesicles of myofibroblasts during pleural fibrosis. Scientific Reports, 2017, 7, 4556.	1.6	18
25	Complexâ€I Alteration and Enhanced Mitochondrial Fusion Are Associated With Prostate Cancer Progression. Journal of Cellular Physiology, 2016, 231, 1364-1374.	2.0	42
26	Organizing empyema induced in mice by <i>Streptococcus pneumoniae</i>: effects of plasminogen activator inhibitorâ€1 deficiency. Clinical and Translational Medicine, 2016, 5, 17.	1.7	19
27	Identification of the Isoform-specific Interactions between the Tail and the Head of Class V Myosin. Journal of Biological Chemistry, 2016, 291, 8241-8250.	1.6	7
28	Mitochondrial Reprogramming Regulates Breast Cancer Progression. Clinical Cancer Research, 2016, 22, 3348-3360.	3.2	40
29	NK-CD11c+ Cell Crosstalk in Diabetes Enhances IL-6-Mediated Inflammation during Mycobacterium tuberculosis Infection. PLoS Pathogens, 2016, 12, e1005972.	2.1	33
30	Mesomesenchymal transition of pleural mesothelial cells is PI3K and NF-ÎºB dependent. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1265-L1273.	1.3	32
31	Structure and Regulation of the Movement of Human Myosin VIIA. Journal of Biological Chemistry, 2015, 290, 17587-17598.	1.6	34
32	Phosphorylation of myosin II regulatory light chain by ZIP kinase is responsible for cleavage furrow ingression during cell division in mammalian cultured cells. Biochemical and Biophysical Research Communications, 2015, 459, 686-691.	1.0	9
33	The effect of novel mutations on the structure and enzymatic activity of unconventional myosins associated with autosomal dominant non-syndromic hearing loss. Open Biology, 2014, 4, 140107.	1.5	19
34	Phospholipid-dependent regulation of the motor activity of myosin X. Nature Structural and Molecular Biology, 2011, 18, 783-788.	3.6	98
35	Cargo binding activates myosin VIIA motor function in cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7028-7033.	3.3	63
36	Single-molecule stepping and structural dynamics of myosin X. Nature Structural and Molecular Biology, 2010, 17, 485-491.	3.6	100

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37	Myosin VI Lever Arm Rotation: Fixed or Variable?. Nature Precedings, 2010, , .	0.1	4
38	Myosin-X Induces Filopodia by Multiple Elongation Mechanism. Journal of Biological Chemistry, 2010, 285, 19605-19614.	1.6	70
39	Mechanical Characterization of One-Headed Myosin-V Using Optical Tweezers. PLoS ONE, 2010, 5, e12224.	1.1	8
40	The tail binds to the headâ€“neck domain, inhibiting ATPase activity of myosin VIIA. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8483-8488.	3.3	78
41	Regulation of the function of mammalian myosin and its conformational change. Biochemical and Biophysical Research Communications, 2008, 369, 157-164.	1.0	53
42	The globular tail domain puts on the brake to stop the ATPase cycle of myosin Va. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1140-1145.	3.3	65
43	Headâ€“Head and Headâ€“Tail Interaction: A General Mechanism for Switching Off Myosin II Activity in Cells. Molecular Biology of the Cell, 2008, 19, 3234-3242.	0.9	168
44	1P-141 Interaction between myosin-X and integrin-Î² acts as a crampon during filopodia protrusion(The) Tj ETQq0 0 0 rgBT /Overlock 10	0.0	0
45	Protein kinase C epsilon translocates to the Receptor for Activated Câ€Kinase upon adenosine A1 receptor stimulation of the rat myocardium. FASEB Journal, 2008, 22, 748.5.	0.2	0
46	The motor activity of myosin-X promotes actin fiber convergence at the cell periphery to initiate filopodia formation. Journal of Cell Biology, 2007, 179, 229-238.	2.3	128
47	2P117 Analysis of unconventional myosins by spectroscopic electron cryo-microscopy(Molecular) Tj ETQq1 1 0.784314 rgBT /Overlock	0.0	0
48	A unique mechanism for the processive movement of single-headed myosin-IX. Biochemical and Biophysical Research Communications, 2006, 343, 1159-1164.	1.0	26
49	1P303 Kinetic mechanism of the Fastest Motor Protein, Chara Myosin(9. Molecular motor (I),Poster) Tj ETQq1 1 0.784314 rgBT /Overl	0.0	0
50	1P286 Analysis of unconventional myosins by spectroscopic electron cryomicroscopy.(9. Molecular) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 S218.	0.0	0
51	The Globular Tail Domain of Myosin Va Functions as an Inhibitor of the Myosin Va Motor. Journal of Biological Chemistry, 2006, 281, 21789-21798.	1.6	78
52	Conformational Change and Regulation of Myosin Molecules. , 2005, 565, 61-72.		2
53	Myosin X Is a High Duty Ratio Motor. Journal of Biological Chemistry, 2005, 280, 29381-29391.	1.6	50
54	Activation of Myosin Va Function by Melanophilin, a Specific Docking Partner of Myosin Va. Journal of Biological Chemistry, 2005, 280, 17815-17822.	1.6	84

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55	Ca2+-induced activation of ATPase activity of myosin Va is accompanied with a large conformational change. Biochemical and Biophysical Research Communications, 2004, 315, 538-545.	1.0	99
56	Myosin X transports Mena/VASP to the tip of filopodia. Biochemical and Biophysical Research Communications, 2004, 319, 214-220.	1.0	161
57	The E1841K Mutation in MYH-9 of a Patient with May-Hegglin Anomaly Inhibits the Disassembly of Non-Muscle Myosin IIA (MYH-9) Responsible for the Phenotype of the Disease.. Blood, 2004, 104, 736-736.	0.6	2
58	The two-headed structure of myosin-V stabilizes its processive movement.. Seibutsu Butsuri, 2003, 43, S143.	0.0	0
59	Motor Function of Unconventional Myosin. Advances in Experimental Medicine and Biology, 2003, 538, 143-157.	0.8	2
60	Mechanism of phosphorylation of the regulatory light chain of myosin from tarantula striated muscle. Journal of Muscle Research and Cell Motility, 2001, 22, 51-59.	0.9	22
61	The core of the motor domain determines the direction of myosin movement. Nature, 2001, 412, 831-834.	13.7	68
62	Myosin-I nomenclature. Journal of Cell Biology, 2001, 155, 703-704.	2.3	71
63	The Interaction between the Regulatory Light Chain Domains on Two Heads Is Critical for Regulation of Smooth Muscle Myosinâ€. Biochemistry, 2000, 39, 2254-2260.	1.2	31
64	Analysis of stress in the active site of myosin accompanied by conformational changes in transient state intermediate complexes using photoaffinity labeling and 19F-NMR spectroscopy. FEBS Journal, 1998, 252, 520-529.	0.2	4