Osamu Sato

List of Publications by Year
in descending order

17 papers	514 citations	840776 11 h-index	996975 15 g-index
18 all docs	18 docs citations	18 times ranked	593 citing authors

#	Article	IF	Citations
1	Mitochondria-associated myosin 19 processively transports mitochondria on actin tracks in living cells. Journal of Biological Chemistry, 2022, 298, 101883.	3.4	15
2	Myo5b Transports Fibronectin-Containing Vesicles and Facilitates FN1 Secretion from Human Pleural Mesothelial Cells. International Journal of Molecular Sciences, 2022, 23, 4823.	4.1	6
3	Cryo-EM structure of the inhibited (10S) form of myosin II. Nature, 2020, 588, 521-525.	27.8	59
4	The central role of the tail in switching off 10S myosin II activity. Journal of General Physiology, 2019, 151, 1081-1093.	1.9	15
5	Linking substrate and nucleus via actin cytoskeleton in pluripotency maintenance of mouse embryonic stem cells. Stem Cell Research, 2019, 41, 101614.	0.7	16
6	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.	7.1	70
7	The Antiparallel Dimerization of Myosin X Imparts Bundle Selectivity for Processive Motility. Biophysical Journal, 2018, 114, 1400-1410.	0.5	12
8	Human myosin VIIa is a very slow processive motor protein on various cellular actin structures. Journal of Biological Chemistry, 2017, 292, 10950-10960.	3.4	17
9	Activated full-length myosin-X moves processively on filopodia with large steps toward diverse two-dimensional directions. Scientific Reports, 2017, 7, 44237.	3.3	12
10	Structure and Regulation of the Movement of Human Myosin VIIA. Journal of Biological Chemistry, 2015, 290, 17587-17598.	3.4	34
11	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.	3.6	19
12	Phospholipid-dependent regulation of the motor activity of myosin X. Nature Structural and Molecular Biology, 2011, 18, 783-788.	8.2	98
13	Single-molecule stepping and structural dynamics of myosin X. Nature Structural and Molecular Biology, 2010, 17, 485-491.	8.2	100
14	Myosin Va Becomes a Low Duty Ratio Motor in the Inhibited Form. Journal of Biological Chemistry, 2007, 282, 13228-13239.	3.4	20
15	2P117 Analysis of unconventional myosins by spectroscopic electron cryo-microscopy(Molecular) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	0
16	1P286 Analysis of unconventional myosins by spectroscopic electron cryomicroscopy.(9. Molecular) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 S218.	0.1	0
17	Human Deafness Mutation of Myosin VI (C442Y) Accelerates the ADP Dissociation Rate. Journal of Biological Chemistry, 2004, 279, 28844-28854.	3.4	21