Sosuke Iwai

List of Publications by Year
in descending order

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Version: 2024-02-01

25 papers	197 citations	1307594 7 h-index	1281871 11 g-index
25 all docs	25 docs citations	25 times ranked	263 citing authors

#	Article	IF	Citations
1	Efficient isolation and cultivation of endosymbiotic Chlorella from Paramecium bursaria on agar plates by co-culture with yeast cells. Journal of Microbiological Methods, 2021, 186, 106254.	1.6	0
2	Photosynthetic Endosymbionts Benefit from Hostâ€™s Phagotrophy, Including Predation on Potential Competitors. Current Biology, 2019, 29, 3114-3119.e3.	3.9	19
3	Assessing phagotrophy in the mixotrophic ciliate Paramecium bursaria using GFP-expressing yeast cells. FEMS Microbiology Letters, 2017, 364, .	1.8	9
4	Mutations in the SH1 helix alter the thermal properties of myosin II. Biophysics and Physicobiology, 2017, 14, 67-73.	1.0	1
5	Maintenance of algal endosymbionts in <scp>P</scp>aramecium bursaria: a simple model based on population dynamics. Environmental Microbiology, 2016, 18, 2435-2445.	3.8	10
6	2P138 Mutations in SH1 helix affect the motile activity of Dictyostelium myosin II(10. Muscle,Poster,The) Tj ETQq0 0 0 rgBT /Overlock 1	0.1	0
7	2P275 Benefits of Acquiring Phototrophy by Hosting Algal Endosymbionts(24. Mathematical) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.1	0
8	2PS014 Effect of mutation of the SH1 helix region of Dictyosterium myosin II on the motile characteristics(The 50th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2012, 52, S112.	0.1	0
9	2PT221 Optimal Behavior in Endosymbiosis in Green Paramecium(The 50th Annual Meeting of the) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	0
10	3M1148 Mutating the SH1 helix region of Dictyosterium myosin II impairs actin-myosin motility(Molecular motor4,The 49th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2011, 51, S152.	0.1	0
11	1SG-02 Unidirectional conformational changes of actin filaments : possible implications in force generation by myosin(1SG Asymmetryproduced by water and ATP,The 49th Annual Meeting of the) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	0
12	1P172 Thermal activation energy for bidirectional movement of actin filament along bipolar tracks of myosin filaments(Molecular motor,The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2010, 50, S49.	0.1	0
13	Myosinâ€actin interaction in Dictyostelium cells revealed by GFPâ€based strain sensor and validated linear spectral unmixing. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 743-750.	1.5	6
14	Photoregulated assembly/disassembly of DNAâ€templated protein arrays using modified oligonucleotide carrying azobenzene side chains. Biotechnology and Bioengineering, 2010, 106, 1-8.	3.3	45
15	Thermal activation energy for bidirectional movement of actin along bipolar tracks of myosin filaments. Biochemical and Biophysical Research Communications, 2010, 396, 539-542.	2.1	3
16	Visualizing Myosin-Actin Interaction with a GFP-based Strain Sensor. Seibutsu Butsuri, 2010, 50, 238-239.	0.1	0
17	3P-258 The validity of linear unmixing of spectra containing serially correlated error terms.(Bioimaging,The 47th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2009, 49, S194.	0.1	0
18	Visualizing myosinâ€“actin interaction with a genetically-encoded fluorescent strain sensor. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16882-16887.	7.1	52

#	Article	IF	Citations
19	1P-310 Photoregulation of assembly and disassembly of DNA-templated protein arrays using azobenzene-tetherering DNA(The 46th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2008, 48, S70.	0.1	0
20	1P-140 Visualizing myosin-actin interaction with a genetically encoded fluorescent strain sensor(The) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	0
21	3P310 Detection of conformational changes of proteins using GFP proximity imaging method(Bioimaging,Poster Presentations). Seibutsu Butsuri, 2007, 47, S280.	0.1	0
22	Mutation in the SH1 helix reduces the activation energy of the ATP-induced conformational transition of myosin. Biochemical and Biophysical Research Communications, 2007, 357, 325-329.	2.1	2
23	A Point Mutation in the SH1 Helix Alters Elasticity and Thermal Stability of Myosin II. Journal of Biological Chemistry, 2006, 281, 30736-30744.	3.4	16
24	A Novel Actin-bundling Kinesin-related Protein from Dictyostelium discoideum. Journal of Biological Chemistry, 2004, 279, 4696-4704.	3.4	25
25	Characterization of a C-terminal-type kinesin-related protein from Dictyostelium discoideum. FEBS Letters, 2000, 475, 47-51.	2.8	9