

Melanie Ji Mueller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6352174/publications.pdf>

Version: 2024-02-01

13
papers

872
citations

759233

12
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic drift opposes mutualism during spatial population expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1037-1042.	7.1	173
2	Selective sweeps in growing microbial colonies. <i>Physical Biology</i> , 2012, 9, 026008.	1.8	150
3	Spatial Population Expansion Promotes the Evolution of Cooperation in an Experimental Prisoner's Dilemma. <i>Current Biology</i> , 2013, 23, 919-923.	3.9	116
4	Bidirectional Transport by Molecular Motors: Enhanced Processivity and Response to External Forces. <i>Biophysical Journal</i> , 2010, 98, 2610-2618.	0.5	99
5	Molecular motor traffic: From biological nanomachines to macroscopic transport. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 372, 34-51.	2.6	94
6	Bacterial twitching motility is coordinated by a two-dimensional tug-of-war with directional memory. <i>Nature Communications</i> , 2014, 5, 3759.	12.8	83
7	Cooperative behavior of molecular motors: Cargo transport and traffic phenomena. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 649-661.	2.7	38
8	Molecular motor traffic in a half-open tube. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3839-S3850.	1.8	30
9	Traffic by multiple species of molecular motors. <i>Physical Review E</i> , 2009, 80, 041928.	2.1	23
10	Co-operative transport by molecular motors. <i>Biochemical Society Transactions</i> , 2011, 39, 1211-1215.	3.4	23
11	Profile and Width of Rough Interfaces. <i>Journal of Statistical Physics</i> , 2005, 118, 669-686.	1.2	22
12	Enhancement of the processivity of kinesin-transported cargo by myosin V. <i>Europhysics Letters</i> , 2009, 87, 28002.	2.0	15
13	Where to Go on Your Next Trip?. , 2015, , .		6