

# Melanie Ji Mueller

## List of Publications by Year in descending order

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13  
papers

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citations

759233

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1199594

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13  
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docs citations

13  
times ranked

976  
citing authors

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