

Anita Jannasch

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,244
citations

759233

12
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

1591
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme-Powered Hollow Mesoporous Janus Nanomotors. <i>Nano Letters</i> , 2015, 15, 7043-7050.	9.1	366
2	Influence of Enzyme Quantity and Distribution on the Self-Propulsion of Non-Janus Urease-Powered Micromotors. <i>Journal of the American Chemical Society</i> , 2018, 140, 7896-7903.	13.7	161
3	Self-Sensing Enzyme-Powered Micromotors Equipped with pH-Responsive DNA Nanoswitches. <i>Nano Letters</i> , 2019, 19, 3440-3447.	9.1	136
4	Nanonewton optical force trap employing anti-reflection coated, high-refractive-index titania microspheres. <i>Nature Photonics</i> , 2012, 6, 469-473.	31.4	108
5	Optical trapping of coated microspheres. <i>Optics Express</i> , 2008, 16, 13831.	3.4	88
6	Germanium nanospheres for ultraresolution picotensiometry of kinesin motors. <i>Science</i> , 2021, 371, .	12.6	72
7	Measuring the complete force field of an optical trap. <i>Optics Letters</i> , 2011, 36, 1260.	3.3	69
8	Inertial Effects of a Small Brownian Particle Cause a Colored Power Spectral Density of Thermal Noise. <i>Physical Review Letters</i> , 2011, 107, 228301.	7.8	59
9	Kinesin-8 Is a Low-Force Motor Protein with a Weakly Bound Slip State. <i>Biophysical Journal</i> , 2013, 104, 2456-2464.	0.5	57
10	Kinesin Kip2 enhances microtubule growth in vitro through length-dependent feedback on polymerization and catastrophe. <i>ELife</i> , 2015, 4, .	6.0	44
11	Seeded Growth of Titania Colloids with Refractive Index Tunability and Fluorophore-Free Luminescence. <i>Langmuir</i> , 2011, 27, 1626-1634.	3.5	23
12	Versatile microsphere attachment of GFP-labeled motors and other tagged proteins with preserved functionality. <i>Journal of Biological Methods</i> , 2015, 2, e30.	0.6	19
13	The Kinesin-8 Kip3 Depolymerizes Microtubules with a Collective Force-Dependent Mechanism. <i>Biophysical Journal</i> , 2020, 118, 1958-1967.	0.5	11
14	Implementation and Tuning of an Optical Tweezers Force-Clamp Feedback System. <i>Methods in Molecular Biology</i> , 2017, 1486, 109-136.	0.9	9
15	Coated microspheres as enhanced probes for optical trapping. , 2008, , .		7
16	Custom-Made Microspheres for Optical Tweezers. <i>Methods in Molecular Biology</i> , 2017, 1486, 137-155.	0.9	7
17	Single depolymerizing and transport kinesins stabilize microtubule ends. <i>Cytoskeleton</i> , 2021, 78, 177-184.	2.0	4
18	Fast 3D imaging of giant unilamellar vesicles using reflected light-sheet microscopy with single molecule sensitivity. <i>Journal of Microscopy</i> , 2021, 285, 40.	1.8	0

#	ARTICLE	IF	CITATIONS
19	Single depolymerizing and transport kinesins stabilize microtubule ends. Biophysical Journal, 2022, 121, 163a.	0.5	0