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List of Publications by Year in descending order

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266
citing authors

#	ARTICLE	IF	CITATIONS
1	A kinesin-1 variant reveals motor-induced microtubule damage in cells. <i>Current Biology</i> , 2022, 32, 2416-2429.e6.	3.9	19
2	Determination of vibrational band positions in the E-hook of β -tubulin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118895.	3.9	1
3	Measuring force generation within reconstituted microtubule bundle assemblies using optical tweezers. <i>Cytoskeleton</i> , 2021, 78, 111-125.	2.0	3
4	Tracking the Amide I and $\nu_{\text{C=O}}$ Terminal $\nu_{\text{C=O}}$ Raman Bands in a Family of L-Glutamic Acid-Containing Peptide Fragments: A Raman and DFT Study. <i>Molecules</i> , 2021, 26, 4790.	3.8	3
5	Intracellular cargo transport by single-headed kinesin motors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6152-6161.	7.1	43
6	Neck linker docking is critical for Kinesin-1 force generation in cells but at a cost to motor speed and processivity. <i>ELife</i> , 2019, 8, .	6.0	31
7	Bioconjugated Core-Shell Microparticles for High-Force Optical Trapping. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700448.	2.3	6
8	Bio-Functionalized Core-Shell Microparticles for High Force Optical Trapping. <i>Biophysical Journal</i> , 2018, 114, 352a.	0.5	0
9	Processive Kinesin-14 HSET Exhibits Directional Flexibility Depending on Motor Traffic. <i>Current Biology</i> , 2018, 28, 2356-2362.e5.	3.9	36
10	Single Molecule Characterization of Mitotic Kif15 Reveals Capability to Generate Force in Anti-Parallel Microtubules. <i>Biophysical Journal</i> , 2017, 112, 44a-45a.	0.5	0
11	Collective Force Regulation in Anti-parallel Microtubule Gliding by Dimeric Kif15 Kinesin Motors. <i>Current Biology</i> , 2017, 27, 2810-2820.e6.	3.9	46
12	Characterizing the B-P Stretching Vibration in Phosphorus-Substituted Phosphine Boranes. <i>ChemPhysChem</i> , 2014, 15, 1867-1871.	2.1	5
13	Vibrational Spectroscopy of N-Methyliminodiacetic Acid (MIDA)-Protected Boronate Ester: Examination of the B-N Dative Bond. <i>Journal of Physical Chemistry A</i> , 2011, 115, 6426-6431.	2.5	16
14	Raman and SERS Spectroscopy of N-Methyliminodiacetic Acid (MIDA)-Protected Boronate Esters. , 2010, , .		1