

Kipom Kim

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

569
citations

840776

11
h-index

794594

19
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22
all docs

22
docs citations

22
times ranked

867
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-power nano-optical vortex trapping via plasmonic diablo nanoantennas. Nature Communications, 2011, 2, 582.	12.8	108
2	Mechanical unzipping and re-zipping of a single SNARE complex reveals hysteresis as a force-generating mechanism. Nature Communications, 2013, 4, 1705.	12.8	96
3	A high-resolution magnetic tweezer for single-molecule measurements. Nucleic Acids Research, 2009, 37, e136-e136.	14.5	76
4	Transcranial focused ultrasound stimulation with high spatial resolution. Brain Stimulation, 2021, 14, 290-300.	1.6	47
5	Programmed folding of DNA origami structures through single-molecule force control. Nature Communications, 2014, 5, 5654.	12.8	43
6	Mesenchymal Stem Cell Therapy and Alzheimer's Disease: Current Status and Future Perspectives. Journal of Alzheimer's Disease, 2020, 77, 1-14.	2.6	43
7	Breathing, crawling, budding, and splitting of a liquid droplet under laser heating. Soft Matter, 2014, 10, 2679.	2.7	37
8	Real-time single-molecule coimmunoprecipitation of weak protein-protein interactions. Nature Protocols, 2013, 8, 2045-2060.	12.0	31
9	Thermochemical control of oil droplet motion on a solid substrate. Applied Physics Letters, 2008, 93, .	3.3	18
10	Jamming transition in a highly dense granular system under vertical vibration. Physical Review E, 2005, 72, 011302.	2.1	15
11	Coarsening Dynamics of Striped Patterns in Thin Granular Layers under Vertical Vibration. Physical Review Letters, 2002, 88, 204303.	7.8	13
12	Stabilizing method for reflection interference contrast microscopy. Applied Optics, 2008, 47, 2070.	2.1	13
13	Diffusing-wave spectroscopy study of microscopic dynamics of three-dimensional granular systems. Soft Matter, 2010, 6, 2894.	2.7	10
14	Two-dimensional crystal of several millimeter size spheres. Physica A: Statistical Mechanics and Its Applications, 2000, 281, 99-104.	2.6	7
15	Ordering dynamics of striped patterns in vertically vibrated granular layers. Physica A: Statistical Mechanics and Its Applications, 2002, 315, 181-186.	2.6	4
16	Simultaneous detection of biomolecular interactions and surface topography using photonic force microscopy. Biosensors and Bioelectronics, 2013, 42, 106-111.	10.1	3
17	Transmembrane topology and oligomeric nature of an astrocytic membrane protein, MLC1. Open Biology, 2021, 11, 210103.	3.6	3
18	Dynamics of spiral patterns in vertically vibrated thin granular layer system. Physica A: Statistical Mechanics and Its Applications, 2000, 281, 93-98.	2.6	1

#	ARTICLE	IF	CITATIONS
19	Label-Free Biosensing over a Wide Concentration Range with Photonic Force Microscopy. ChemPhysChem, 2014, 15, 1573-1576.	2.1	1
20	Velocity profiles of subharmonic waves in vertically vibrated thin granular layer systems. AIP Conference Proceedings, 2000, , .	0.4	0
21	Optical rotation of the shrunken multi-lamellar vesicle using optical tweezers. Proceedings of SPIE, 2009, , .	0.8	0
22	Optical Torque Induced on the Geometrically Anisotropic Multi-Lamellar Vesicle with Form Birefringence. Journal of the Korean Physical Society, 2010, 56, 225-229.	0.7	0