

Shang Yik Reigh

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,346
citations

687220

13
h-index

794469

19
g-index

20
all docs

20
docs citations

20
times ranked

1844
citing authors

#	ARTICLE	IF	CITATIONS
1	Structured light enables biomimetic swimming and versatile locomotion of photoresponsive soft microrobots. <i>Nature Materials</i> , 2016, 15, 647-653.	13.3	757
2	Synchronization and bundling of anchored bacterial flagella. <i>Soft Matter</i> , 2012, 8, 4363.	1.2	111
3	Chemistry in Motion: Tiny Synthetic Motors. <i>Accounts of Chemical Research</i> , 2014, 47, 3504-3511.	7.6	77
4	Synchronization, Slippage, and Unbundling of Driven Helical Flagella. <i>PLoS ONE</i> , 2013, 8, e70868.	1.1	61
5	Concentration Dependence of Ring Polymer Conformations from Monte Carlo Simulations. <i>ACS Macro Letters</i> , 2013, 2, 296-300.	2.3	48
6	Catalytic dimer nanomotors: continuum theory and microscopic dynamics. <i>Soft Matter</i> , 2015, 11, 3149-3158.	1.2	48
7	Chemical micromotors self-assemble and self-propel by spontaneous symmetry breaking. <i>Chemical Communications</i> , 2018, 54, 11933-11936.	2.2	44
8	Autophoretic motion in three dimensions. <i>Soft Matter</i> , 2018, 14, 3304-3314.	1.2	42
9	Swimming with a cage: low-Reynolds-number locomotion inside a droplet. <i>Soft Matter</i> , 2017, 13, 3161-3173.	1.2	27
10	Monte Carlo Method for Simulations of Ring Polymers in the Melt. <i>Macromolecular Rapid Communications</i> , 2009, 30, 345-351.	2.0	26
11	Diffusiophoretically induced interactions between chemically active and inert particles. <i>Soft Matter</i> , 2018, 14, 6043-6057.	1.2	24
12	Microscopic and continuum descriptions of Janus motor fluid flow fields. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20160140.	1.6	21
13	Effect of an external electric field on the diffusion-influenced reversible reaction of a neutral particle and a charged particle in three dimensions. <i>Journal of Chemical Physics</i> , 2008, 129, 234501.	1.2	17
14	Two-fluid model for locomotion under self-confinement. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	13
15	Effect of an external field on the reversible reaction of a neutral particle and a charged particle in three dimensions. II. Excited-state reaction. <i>Journal of Chemical Physics</i> , 2010, 132, 164112.	1.2	10
16	Active rotational dynamics of a self-diffusiophoretic colloidal motor. <i>Soft Matter</i> , 2020, 16, 1236-1245.	1.2	9
17	Direct Calculation Method for Excited-state Diffusion-influenced Reversible Reactions with an External Field. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 1015-1019.	1.0	6
18	Effect of an external electric field on the diffusion-influenced geminate reversible reaction of a neutral particle and a charged particle in three dimensions. III. Ground-state ABCD reaction. <i>Journal of Chemical Physics</i> , 2013, 139, 194107.	1.2	4

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19	Effect of an external electric field on the diffusion-influenced geminate reversible reaction of a neutral particle and a charged particle in three dimensions. IV. Excited-state ABCD reaction. Journal of Chemical Physics, 2014, 140, 064502.	1.2	1
20	Multiple external field effects on diffusion-limited reversible reactions for a geminate pair with no interparticle interactions. Journal of Chemical Physics, 2015, 143, 084118.	1.2	0