Shang Yik Reigh

List of Publications by Year
in descending order

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

#	Article	IF	Citations
19	Monteâ€Carlo Method for Simulations of Ring Polymers in the Melt. Macromolecular Rapid Communications, 2009, 30, 345-351.	2.0	26
20	Effect of an external electric field on the diffusion-influenced reversible reaction of a neutral particle and a charged particle in three dimensions. Journal of Chemical Physics, 2008, 129, 234501.	1.2	17