

Tieyan Si

List of Publications by Year in descending order

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15
papers

1,346
citations

759233

12
h-index

996975

15
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15
all docs

15
docs citations

15
times ranked

1294
citing authors

#	ARTICLE	IF	CITATIONS
1	Near Infrared Light-Powered Janus Mesoporous Silica Nanoparticle Motors. <i>Journal of the American Chemical Society</i> , 2016, 138, 6492-6497.	13.7	385
2	Near-Infrared Light-Triggered "On/Off" Motion of Polymer Multilayer Rockets. <i>ACS Nano</i> , 2014, 8, 6097-6105.	14.6	221
3	Superfast Near-Infrared Light-Driven Polymer Multilayer Rockets. <i>Small</i> , 2016, 12, 577-582.	10.0	168
4	Recent Progress on Bioinspired Self-Propelled Micro/Nanomotors via Controlled Molecular Self-Assembly. <i>Small</i> , 2016, 12, 3080-3093.	10.0	125
5	Gold-Nanoshell-Functionalized Polymer Nanoswimmer for Photomechanical Poration of Single-Cell Membrane. <i>Journal of the American Chemical Society</i> , 2019, 141, 6601-6608.	13.7	118
6	Near-infrared light-driven Janus capsule motors: Fabrication, propulsion, and simulation. <i>Nano Research</i> , 2016, 9, 3747-3756.	10.4	96
7	Near infrared-modulated propulsion of catalytic Janus polymer multilayer capsule motors. <i>Chemical Communications</i> , 2015, 51, 511-514.	4.1	57
8	Self-thermophoretic motion of controlled assembled micro-/nanomotors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23606-23613.	2.8	55
9	Bubble-Pair Propelled Colloidal Kayaker. <i>Journal of the American Chemical Society</i> , 2018, 140, 11902-11905.	13.7	47
10	Self-propelled two dimensional polymer multilayer plate micromotors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3397-3401.	2.8	33
11	The collision phenomena of Janus polymer micro-plate motors propelled by oscillating micro-bubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 510, 113-121.	4.7	17
12	A Bubble-Driven Catalytic Polymer Microrocket. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2460-2464.	3.3	12
13	Rational Design of Polymer Conical Nanoswimmers with Upstream Motility. <i>ACS Nano</i> , 2022, 16, 9317-9328.	14.6	7
14	Torque-Driven Orientation Motion of Chemotactic Colloidal Motors. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
15	Self-Propulsion: Superfast Near-Infrared Light-Driven Polymer Multilayer Rockets (<i>Small</i> 5/2016). <i>Small</i> , 2016, 12, 550-550.	10.0	2