Xin Yong

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6651519/publications.pdf

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51	1,223	361413	395702
papers	citations	20 h-index	33 g-index

58	58	58	1550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoscale Wetting on Groove-Patterned Surfaces. Langmuir, 2009, 25, 5045-5053.	3.5	101
2	Full Dissolution of the Whole Lithium Sulfide Family (Li₂S₈ to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (L Chemie - International Edition, 2019, 58, 5557-5561.	13.8	93
3	Harnessing Interfacially-Active Nanorods to Regenerate Severed Polymer Gels. Nano Letters, 2013, 13, 6269-6274.	9.1	75
4	Thermostats and thermostat strategies for molecular dynamics simulations of nanofluidics. Journal of Chemical Physics, 2013, 138, 084503.	3.0	72
5	Harnessing Fluid-Driven Vesicles To Pick Up and Drop Off Janus Particles. ACS Nano, 2013, 7, 1224-1238.	14.6	49
6	Modeling free radical polymerization using dissipative particle dynamics. Polymer, 2015, 72, 217-225.	3.8	48
7	Modeling the Assembly of Polymer-Grafted Nanoparticles at Oilâ€“Water Interfaces. Langmuir, 2015, 31, 11458-11469.	3.5	39
8	Morphology evolution of Janus dumbbell nanoparticles in seeded emulsion polymerization. Journal of Colloid and Interface Science, 2019, 543, 34-42.	9.4	39
9	Slip in nanoscale shear flow: mechanisms of interfacial friction. Microfluidics and Nanofluidics, 2013, 14, 299-308.	2.2	36
10	Cooperative, Reversible Selfâ€Assembly of Covalently Preâ€Linked Proteins into Giant Fibrous Structures. Angewandte Chemie - International Edition, 2014, 53, 8050-8055.	13.8	32
11	Numerical and theoretical modeling of droplet impact on spherical surfaces. Physics of Fluids, 2021, 33, .	4.0	32
12	Stackable, Covalently Fused Gels: Repair and Composite Formation. Macromolecules, 2015, 48, 1169-1178.	4.8	30
13	Modeling Evaporation and Particle Assembly in Colloidal Droplets. Langmuir, 2017, 33, 5734-5744.	3.5	28
14	MARTINI-Compatible Coarse-Grained Model for the Mesoscale Simulation of Peptoids. Journal of Physical Chemistry B, 2020, 124, 7745-7764.	2.6	28
15	Self-stratification of amphiphilic Janus particles at coating surfaces. Materials Horizons, 2020, 7, 2047-2055.	12.2	28
16	Molecular dynamics modeling ofPseudomonas aeruginosaouter membranes. Physical Chemistry Chemical Physics, 2018, 20, 23635-23648.	2.8	27
17	Rapid Escherichia coli Trapping and Retrieval from Bodily Fluids via a Three-Dimensional Bead-Stacked Nanodevice. ACS Applied Materials & Interfaces, 2020, 12, 7888-7896.	8.0	27
18	Electrospray deposit structure of nanoparticle suspensions. Journal of Electrostatics, 2017, 90, 67-73.	1.9	26

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19	Nanoparticle assembly modulated by polymer chain conformation in composite materials. Nanoscale, 2020, 12, 14560-14572.	5.6	23
20	Dissipative particle dynamics modeling of hydrogel swelling by osmotic ensemble method. Journal of Chemical Physics, 2018, 149, 094904.	3.0	22
21	Drying mediated orientation and assembly structure of amphiphilic Janus particles. Soft Matter, 2018, 14, 6793-6798.	2.7	22
22	Self-Healing Vesicles Deposit Lipid-Coated Janus Particles into Nanoscopic Trenches. Langmuir, 2013, 29, 16066-16074.	3.5	20
23	Nanoparticle-mediated evaporation at liquidâ€“vapor interfaces. Extreme Mechanics Letters, 2016, 7, 90-103.	4.1	20
24	Hydrodynamic Interactions and Entanglements of Polymer Solutions in Many-Body Dissipative Particle Dynamics. Polymers, 2016, 8, 426.	4.5	19
25	Molecular conformation affects the interaction of the Pseudomonas quinolone signal with the bacterial outer membrane. Journal of Biological Chemistry, 2019, 294, 1089-1094.	3.4	19
26	Hierarchical Self-Assembly Pathways of Peptoid Helices and Sheets. Biomacromolecules, 2022, 23, 992-1008.	5.4	19
27	Investigating liquid-solid interfacial phenomena in a Couette flow at nanoscale. Physical Review E, 2010, 82, 056313.	2.1	18
28	Interfacial adsorption of pH-responsive polymers and nanoparticles. Soft Matter, 2017, 13, 5137-5149.	2.7	17
29	Homogeneous gelation leads to nanowire forests in the transition between electrospray and electrospinning. Materials Horizons, 2020, 7, 2643-2650.	12.2	17
30	Nanoparticle motion on the surface of drying droplets. Physical Review Fluids, 2018, 3, .	2.5	17
31	Designing Composite Coatings That Provide a Dual Defense against Fouling. Langmuir, 2015, 31, 7524-7532.	3.5	16
32	Axisymmetric lattice Boltzmann simulation of droplet impact on solid surfaces. Physical Review E, 2018, 98, 013102.	2.1	16
33	Controlling the stability of Pickering emulsions by pH-responsive nanoparticles. Soft Matter, 2019, 15, 3291-3300.	2.7	14
34	Designing a gelâ€“fiber composite to extract nanoparticles from solution. Soft Matter, 2015, 11, 8692-8700.	2.7	12
35	Structure and Dynamics of Stimuli-Responsive Nanoparticle Monolayers at Fluid Interfaces. Langmuir, 2018, 34, 5581-5591.	3.5	12
36	Full Dissolution of the Whole Lithium Sulfide Family (Li₂S₈ to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (Li Chemie, 2019, 131, 5613-5617.	2.0	11

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37	Self-assembly in biobased nanocomposites for multifunctionality and improved performance. Nanoscale Advances, 2021, 3, 4321-4348.	4.6	11
38	Janus Nanoparticles Enable Entropy-Driven Mixing of Bicomponent Hydrogels. Langmuir, 2019, 35, 14840-14848.	3.5	10
39	Nanoscale simple-fluid behavior under steady shear. Physical Review E, 2012, 85, 051202.	2.1	9
40	Interfacial Targeting of Sessile Droplets Using Electrospray. Langmuir, 2018, 34, 7445-7454.	3.5	9
41	Harnessing complex fluid interfaces to control colloidal assembly and deposition. Journal of Colloid and Interface Science, 2019, 540, 602-611.	9.4	9
42	Elastocapillary interactions of thermoresponsive microgels across the volume phase transition temperatures. Journal of Colloid and Interface Science, 2021, 584, 275-280.	9.4	9
43	Toward Generating Low-Friction Nanoengineered Surfaces with Liquidâ€“Vapor Interfaces. Langmuir, 2013, 29, 12623-12627.	3.5	7
44	Designing biomimetic reactive polymer gels. Materials Today, 2014, 17, 486-493.	14.2	7
45	Hierarchical assemblies of polypeptoids for rational design of advanced functional nanomaterials. Biopolymers, 2021, 112, e23469.	2.4	6
46	Viscoelastic necking dynamics between attractive microgels. Journal of Colloid and Interface Science, 2022, 618, 283-289.	9.4	6
47	Structure of Electrospray Printed Deposits for Short Spray Times. Journal of Micro and Nano-Manufacturing, 2017, 5, .	0.7	5
48	Dependency of active pressure and equation of state on stiffness of wall. Scientific Reports, 2021, 11, 22204.	3.3	4
49	Examining different NEMD methods in simulating nanoscale fluid at high shear rates. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2010, 224, 19-29.	0.1	2
50	Biobased superhydrophobic coating enabled by nanoparticle assembly. Nanoscale Advances, 2021, 3, 4037-4047.	4.6	2
51	Structure of Electrospray Printed Deposits for Short Spray Times. , 2017, , .		0