Xiayun Huang

List of Publications by Year
in descending order

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		304743	302126
45	1,562	22	39
papers	citations	h-index	g-index

45	45	45	2420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of the Polymersomes with Unique and Even Nonequilibrium Morphologies. Macromolecular Rapid Communications, 2021, 42, 2000504.	3.9	2
2	Polydiacetylene and its composites with long effective conjugation lengths and tunable third-order nonlinear optical absorption. Polymer Chemistry, 2021, 12, 3257-3263.	3.9	6
3	A novel worm-like micelles@MOFs precursor for constructing hierarchically porous CoP/N-doped carbon networks towards efficient hydrogen evolution reaction. Journal of Colloid and Interface Science, 2021, 600, 872-881.	9.4	15
4	Templating synthesis of natural cotton-based hierarchically structured carbon hollow microfibers for high-performance solar vapor generation. Journal of Materials Chemistry A, 2021, 9, 15346-15354.	10.3	24
5	Heavily superparamagnetic magnetite-loaded polymeric worm-like micelles that have an ultrahigh T₂ relaxivity. Polymer Chemistry, 2020, 11, 6134-6138.	3.9	5
6	Bioinspired Multiple Stimuli-Responsive Optical Microcapsules Enabled by Microfluidics. ACS Applied Materials & Interfaces, 2020, 12, 46788-46796.	8.0	8
7	Continuous-flow synthesis of doped all-inorganic perovskite nanocrystals enabled by a microfluidic reactor for light-emitting diode application. Science China Materials, 2020, 63, 1526-1536.	6.3	16
8	A general method to greatly enhance ultrasound-responsiveness for common polymeric assemblies. Polymer Chemistry, 2020, 11, 3296-3304.	3.9	6
9	Synergistic High-flux Oilâ€“Saltwater Separation and Membrane Desalination with Carbon Quantum Dots Functionalized Membrane. ACS Sustainable Chemistry and Engineering, 2019, 7, 13708-13716.	6.7	46
10	Accelerated Design of Catalytic Water-Cleaning Nanomotors via Machine Learning. ACS Applied Materials & Interfaces, 2019, 11, 40099-40106.	8.0	33
11	Multistage Polymerization Design for g-C₃N₄ Nanosheets with Enhanced Photocatalytic Activity by Modifying the Polymerization Process of Melamine. ACS Omega, 2019, 4, 17148-17159.	3.5	50
12	Endowing Polymeric Assemblies with Unique Properties and Behaviors by Incorporating Versatile Nanogels in the Shell. ACS Macro Letters, 2019, 8, 1222-1226.	4.8	4
13	A network of porous carbon/ZnCo₂O₄ nanotubes derived from shell-hybridized worm-like micelles for lithium storage. Journal of Materials Chemistry A, 2019, 7, 22642-22649.	10.3	9
14	Capillary-Based Microfluidic Fabrication of Liquid Metal Microspheres toward Functional Microelectrodes and Photothermal Medium. ACS Applied Materials & Interfaces, 2019, 11, 25295-25305.	8.0	34
15	Blue phase liquid crystal microcapsules: confined 3D structure inducing fascinating properties. Journal of Materials Chemistry C, 2019, 7, 4822-4827.	5.5	17
16	Natural Halloysites-Based Janus Platelet Surfactants for the Formation of Pickering Emulsion and Enhanced Oil Recovery. Scientific Reports, 2019, 9, 163.	3.3	34
17	Highly Biocompatible, Underwater Superhydrophilic and Multifunctional Biopolymer Membrane for Efficient Oilâ€“Water Separation and Aqueous Pollutant Removal. ACS Sustainable Chemistry and Engineering, 2018, 6, 3879-3887.	6.7	82
18	Assembly of large area crack free clay porous films. RSC Advances, 2018, 8, 1001-1004.	3.6	6

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19	Biomimetic colloidal photonic crystals by coassembly of polystyrene nanoparticles and graphene quantum dots. RSC Advances, 2018, 8, 34839-34847.	3.6	16
20	Efficient Fabrication of Pure, Single-Chain Janus Particles through Their Exclusive Self-Assembly in Mixtures with Their Analogues. ACS Macro Letters, 2018, 7, 1278-1282.	4.8	20
21	Self-assembly of anisotropic red blood cell (RBC)-like colloidal particles. Soft Matter, 2018, 14, 7954-7957.	2.7	11
22	Defect-induced betavoltaic enhancement in black titania nanotube arrays. Nanoscale, 2018, 10, 13028-13036.	5.6	23
23	Hierarchical, Self-Healing and Superhydrophobic Zirconium Phosphate Hybrid Membrane Based on the Interfacial Crystal Growth of Lyotropic Two-Dimensional Nanoplatelets. ACS Applied Materials & Interfaces, 2018, 10, 22793-22800.	8.0	36
24	High-flux underwater superoleophobic hybrid membranes for effective oilâ€“water separation from oil-contaminated water. RSC Advances, 2017, 7, 9051-9056.	3.6	18
25	Facile polypyrrole thin film coating on polypropylene membrane for efficient solar-driven interfacial water evaporation. RSC Advances, 2017, 7, 9495-9499.	3.6	99
26	Multiheteroatom-Doped Porous Carbon Catalyst for Oxygen Reduction Reaction Prepared using 3D Network of ZIF-8/Polymeric Nanofiber as a Facile-Doping Template. ACS Applied Materials & Interfaces, 2017, 9, 21083-21088.	8.0	41
27	Solution-Based Thermodynamically Controlled Conversion from Diblock Copolymers to Janus Nanoparticles. ACS Macro Letters, 2017, 6, 580-585.	4.8	20
28	Polydiacetyleneâ€Tb³⁺ Nanosheets of Which Both the Color and the Fluorescence Can Be Reversibly Switched between Two Colors. Chinese Journal of Chemistry, 2017, 35, 1678-1686.	4.9	4
29	Aqueous Exfoliation of Graphite into Graphene Assisted by Sulfonyl Graphene Quantum Dots for Photonic Crystal Applications. ACS Applied Materials & Interfaces, 2017, 9, 30797-30804.	8.0	42
30	Bowlics: history, advances and applications. Liquid Crystals Today, 2017, 26, 85-111.	2.3	33
31	A review of nanomaterials for nanofluid enhanced oil recovery. RSC Advances, 2017, 7, 32246-32254.	3.6	151
32	Hydrogen Separation Membranes of Polymeric Materials. , 2017, , 85-116.		8
33	The Synthesis of Amphiphilic Luminescent Graphene Quantum Dot and Its Application in Miniemulsion Polymerization. Journal of Nanomaterials, 2016, 2016, 1-8.	2.7	28
34	Microwave-assisted rapid synthesis of hexagonal Î±-zirconium phosphate nanodisks as a Pickering emulsion stabilizer. Materials Letters, 2016, 163, 158-161.	2.6	23
35	Functional polyelectrolyte multilayer assemblies for surfaces with controlled wetting behavior. Journal of Applied Polymer Science, 2015, 132, .	2.6	16
36	Nano-encapsulated PCM via Pickering Emulsification. Scientific Reports, 2015, 5, 13357.	3.3	35

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37	Large-Scale Solvent Driven Actuation of Polyelectrolyte Multilayers Based on Modulation of Dynamic Secondary Interactions. ACS Applied Materials & Interfaces, 2015, 7, 1848-1858.	8.0	37
38	Facile Assembly Enhanced Spontaneous Fluorescent Response of Ag+ Ion Containing Polyelectrolyte Multilayer Films. ACS Macro Letters, 2014, 3, 1092-1095.	4.8	13
39	Silver nanoparticle aided self-healing of polyelectrolyte multilayers. Physical Chemistry Chemical Physics, 2014, 16, 10267-10273.	2.8	28
40	Omniphobic Slippery Coatings Based on Lubricant-Infused Porous Polyelectrolyte Multilayers. ACS Macro Letters, 2013, 2, 826-829.	4.8	108
41	Surfactant co-assembly and ion exchange to modulate polyelectrolyte multilayer wettability. Soft Matter, 2013, 9, 7735.	2.7	15
42	Formation and Tunable Disassembly of Polyelectrolyteâ€“Cu²⁺ Layer-by-Layer Complex Film. Langmuir, 2013, 29, 12959-12968.	3.5	63
43	Pickering emulsions stabilized by amphiphilic nano-sheets. Soft Matter, 2012, 8, 10245.	2.7	111
44	A study on mineralization behavior of amino-terminated hyperbranched polybenzimidazole membranes. Journal of Materials Science: Materials in Medicine, 2010, 21, 1829-1835.	3.6	7
45	Controlled growth of hard-sphere colloidal crystals. Nature, 1999, 401, 893-895.	27.8	159