

Rui Chen

List of Publications by Year in descending order

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papers

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840776

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docs citations

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782
citing authors

#	ARTICLE	IF	CITATIONS
1	Malonitrile-Functionalized Tetraphenylpyrazine: Aggregation-Induced Emission, Ratiometric Detection of Hydrogen Sulfide, and Mechanochromism. <i>Advanced Functional Materials</i> , 2018, 28, 1704689.	14.9	124
2	Analog Optical Spatial Differentiators Based on Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2020, 8, 1901523.	7.3	59
3	Universal Antibacterial Surfaces Fabricated from Quaternary Ammonium Salt-Based PNIPAM Microgels. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19268-19276.	8.0	48
4	Universal Antifogging and Antimicrobial Thin Coating Based on Dopamine-Containing Glycopolymers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27632-27639.	8.0	34
5	A red-emitting cationic hyperbranched polymer: facile synthesis, aggregation-enhanced emission, large Stokes shift, polarity-insensitive fluorescence and application in cell imaging. <i>Polymer Chemistry</i> , 2017, 8, 6277-6282.	3.9	26
6	Multifunctional Metasurface: Coplanar Embedded Design for Metalens and Nanoprinted Display. <i>ACS Photonics</i> , 2020, 7, 1171-1177.	6.6	25
7	Ultrathin Electromagnetic "Acoustic Amphibious Stealth Coats. <i>Advanced Optical Materials</i> , 2020, 8, 2000200.	7.3	21
8	A Switchable Metasurface Between Meta-Lens and Absorber. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1187-1190.	2.5	20
9	Analogue Optical Spatiotemporal Differentiator. <i>Advanced Optical Materials</i> , 2021, 9, 2002088.	7.3	19
10	Antibacterial coatings based on microgels containing quaternary ammonium ions: Modification with polymeric sugars for improved cytocompatibility. <i>Colloids and Interface Science Communications</i> , 2020, 37, 100268.	4.1	19
11	A Semisolid Micromechanical Beam Steering System Based on Micrometa-Lens Arrays. <i>Nano Letters</i> , 2022, 22, 1595-1603.	9.1	15
12	Microwave Metamaterial Absorbers with Controllable Luminescence Features. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54497-54502.	8.0	13
13	Morphology design and control of polymer particles by regulating the droplet flowing mode in microfluidic chips. <i>Polymer Chemistry</i> , 2017, 8, 2953-2958.	3.9	9
14	Synthesis of an amphiphilic hyperbranched polymer as a novel pH-sensitive drug carrier. <i>RSC Advances</i> , 2015, 5, 20155-20159.	3.6	7
15	Investigation of the Formation Process of PNIPAM-Based Ionic Microgels. <i>ACS Omega</i> , 2017, 2, 8788-8793.	3.5	6
16	Stabilization capacity of PNIPAM microgels as particulate stabilizer in dispersion polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 789-794.	4.7	6
17	Role Transformation of Poly(<i>N</i> -isopropylacrylamide) Microgels from Stabilizer to Seed in Dispersion Polymerization by Controlling the Water Content in Methanol-Water Mixture. <i>Langmuir</i> , 2018, 34, 3420-3425.	3.5	6
18	Ultralow Self-Cross-Linked Poly(<i>N</i> -isopropylacrylamide) Microgels Prepared by Solvent Exchange. <i>Langmuir</i> , 2019, 35, 13991-13998.	3.5	6

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19	An efficient method for CTCs screening with excellent operability by integrating Parsortix [®] -like cell separation chip and selective size amplification. <i>Biomedical Microdevices</i> , 2018, 20, 51.	2.8	5
20	One-step surface modification strategy with composition-tunable microgels: From bactericidal surface to cell-friendly surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112372.	5.0	5
21	Precise regulation of particle size of poly(N-isopropylacrylamide) microgels: Measuring chain dimensions with a "molecular ruler". <i>Journal of Colloid and Interface Science</i> , 2020, 566, 394-400.	9.4	3
22	Preparation, characterization and mechanism study of small size core-shell polymer nanoparticles dissociated from poly(N-isopropylacrylamide) ionic microgels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 559, 184-191.	4.7	2
23	Feasible Fabrication of Hollow Micro-vesicles by Non-amphiphilic Macromolecules Based on Interfacial Cononsolvency. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 856-864.	3.8	1
24	Role transition of PNIPAM ionic microgels in dispersion polymerization by changing the monomer type. <i>Polymer</i> , 2019, 175, 171-176.	3.8	0