

Ziquan Cao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,346
citations

430874

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677142

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Highly Electrically Conductive Flexible Ionogels by Drop-Casting Ionic Liquid/PEDOT:PSS Composite Liquids onto Hydrogel Networks. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100557.	3.9	11
2	Miscible organic liquid separation of superwetting membrane driven by synergistic polar/nonpolar interactions. <i>Matter</i> , 2022, 5, 1251-1262.	10.0	10
3	Transparent, mechanically robust, and ultrastable ionogels enabled by hydrogen bonding between elastomers and ionic liquids. <i>Materials Horizons</i> , 2020, 7, 912-918.	12.2	248
4	High-performance double-network ionogels enabled by electrostatic interaction. <i>RSC Advances</i> , 2020, 10, 7424-7431.	3.6	9
5	Highly Stretchable Tough Elastomers Crosslinked by Spiropyran Mechanophores for Strain-Induced Colorimetric Sensing. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000190.	2.2	23
6	Hydrogen-Bonding-Driven Tough Ionogels Containing Spiropyran-Functionalized Ionic Liquids. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2359-2365.	4.4	20
7	Reversibly Photoswitchable Dual-Color Fluorescence and Controlled Release Properties of Polymeric Nanoparticles. <i>Macromolecules</i> , 2019, 52, 7130-7136.	4.8	33
8	Diazonaphthoquinone-based amphiphilic polymer assemblies for NIR/UV light- and pH-responsive controlled release. <i>Polymer Chemistry</i> , 2018, 9, 463-471.	3.9	21
9	Polymer dots of DASA-functionalized polyethyleneimine: Synthesis, visible light/pH responsiveness, and their applications as chemosensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 385-392.	7.8	46
10	NIR-responsive DNA hybridization detection by high efficient FRET from 10-nm upconversion nanoparticles to SYBR green I. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2853-2860.	7.8	41
11	Visual multi-triggered sensor based on inverse opal hydrogel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 554, 93-99.	4.7	36
12	Light-Responsive Janus-Particle-Based Coatings for Cell Capture and Release. <i>ACS Macro Letters</i> , 2017, 6, 1124-1128.	4.8	43
13	Photodegradable polymer nanocapsules fabricated from dimethyldiethoxysilane emulsion templates for controlled release. <i>Polymer Chemistry</i> , 2017, 8, 6817-6823.	3.9	26
14	NIR Light-, Temperature-, pH-, and Redox-Responsive Polymer-Modified Reduced Graphene Oxide/Mesoporous Silica Sandwich-Like Nanocomposites for Controlled Release. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29055-29062.	8.0	54
15	Multi-Stimuli-Responsive Polymer Materials: Particles, Films, and Bulk Gels. <i>Chemical Record</i> , 2016, 16, 1398-1435.	5.8	158
16	Nanocomposites of Spiropyran-Functionalized Polymers and Upconversion Nanoparticles for Controlled Release Stimulated by Near-Infrared Light and pH. <i>Macromolecules</i> , 2016, 49, 7490-7496.	4.8	85
17	Selective Release of Hydrophobic and Hydrophilic Cargos from Multi-Stimuli-Responsive Nanogels. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28888-28896.	8.0	72
18	A photo, temperature, and pH responsive spiropyran-functionalized polymer: Synthesis, self-assembly and controlled release. <i>Polymer</i> , 2016, 83, 85-91.	3.8	97

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19	Photo, pH, and thermo triple-responsive spiropyran-based copolymer nanoparticles for controlled release. <i>Chemical Communications</i> , 2015, 51, 12633-12636.	4.1	115
20	Micellar assembly of a photo- and temperature-responsive amphiphilic block copolymer for controlled release. <i>Polymer Chemistry</i> , 2015, 6, 7995-8002.	3.9	53
21	Light-Triggered Responsive Janus Composite Nanosheets. <i>Macromolecules</i> , 2015, 48, 7256-7261.	4.8	49
22	Quadruple-Stimuli-Sensitive Polymeric Nanocarriers for Controlled Release under Combined Stimulation. <i>Macromolecules</i> , 2014, 47, 8777-8783.	4.8	96