Ziquan Cao

List of Publications by Year
in descending order

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22 papers	1,346 citations	430874 18 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	1924 citing authors

#	Article	IF	Citations
1	Transparent, mechanically robust, and ultrastable ionogels enabled by hydrogen bonding between elastomers and ionic liquids. Materials Horizons, 2020, 7, 912-918.	12.2	248
2	Multi-Stimuli-Responsive Polymer Materials: Particles, Films, and Bulk Gels. Chemical Record, 2016, 16, 1398-1435.	5.8	158
3	Photo, pH, and thermo triple-responsive spiropyran-based copolymer nanoparticles for controlled release. Chemical Communications, 2015, 51, 12633-12636.	4.1	115
4	A photo, temperature, and pH responsive spiropyran-functionalized polymer: Synthesis, self-assembly and controlled release. Polymer, 2016, 83, 85-91.	3.8	97
5	Quadruple-Stimuli-Sensitive Polymeric Nanocarriers for Controlled Release under Combined Stimulation. Macromolecules, 2014, 47, 8777-8783.	4.8	96
6	Nanocomposites of Spiropyran-Functionalized Polymers and Upconversion Nanoparticles for Controlled Release Stimulated by Near-Infrared Light and pH. Macromolecules, 2016, 49, 7490-7496.	4.8	85
7	Selective Release of Hydrophobic and Hydrophilic Cargos from Multi-Stimuli-Responsive Nanogels. ACS Applied Materials & Interfaces, 2016, 8, 28888-28896.	8.0	72
8	NIR Light-, Temperature-, pH-, and Redox-Responsive Polymer-Modified Reduced Graphene Oxide/Mesoporous Silica Sandwich-Like Nanocomposites for Controlled Release. ACS Applied Materials & Interfaces, 2017, 9, 29055-29062.	8.0	54
9	Micellar assembly of a photo- and temperature-responsive amphiphilic block copolymer for controlled release. Polymer Chemistry, 2015, 6, 7995-8002.	3.9	53
10	Light-Triggered Responsive Janus Composite Nanosheets. Macromolecules, 2015, 48, 7256-7261.	4.8	49
11	Polymer dots of DASA-functionalized polyethyleneimine: Synthesis, visible light/pH responsiveness, and their applications as chemosensors. Sensors and Actuators B: Chemical, 2018, 254, 385-392.	7.8	46
12	Light-Responsive Janus-Particle-Based Coatings for Cell Capture and Release. ACS Macro Letters, 2017, 6, 1124-1128.	4.8	43
13	NIR-responsive DNA hybridization detection by high efficient FRET from 10-nm upconversion nanoparticles to SYBR green I. Sensors and Actuators B: Chemical, 2018, 255, 2853-2860.	7.8	41
14	Visual multi-triggered sensor based on inverse opal hydrogel. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 554, 93-99.	4.7	36
15	Reversibly Photoswitchable Dual-Color Fluorescence and Controlled Release Properties of Polymeric Nanoparticles. Macromolecules, 2019, 52, 7130-7136.	4.8	33
16	Photodegradable polymer nanocapsules fabricated from dimethyldiethoxysilane emulsion templates for controlled release. Polymer Chemistry, 2017, 8, 6817-6823.	3.9	26
17	Highly Stretchable Tough Elastomers Crosslinked by Spiropyran Mechanophores for Strainâ€Induced Colorimetric Sensing. Macromolecular Chemistry and Physics, 2020, 221, 2000190.	2.2	23
18	Diazonaphthoquinone-based amphiphilic polymer assemblies for NIR/UV light- and pH-responsive controlled release. Polymer Chemistry, 2018, 9, 463-471.	3.9	21

#	Article	IF	Citations
19	Hydrogen-Bonding-Driven Tough Ionogels Containing Spiropyran-Functionalized Ionic Liquids. ACS Applied Polymer Materials, 2020, 2, 2359-2365.	4.4	20
20	Highly Electrically Conductive Flexible Ionogels by Dropâ€Casting Ionic Liquid/PEDOT:PSS Composite Liquids onto Hydrogel Networks. Macromolecular Rapid Communications, 2022, 43, e2100557.	3.9	11
21	Miscible organic liquid separation of superwetting membrane driven by synergistic polar/nonpolar interactions. Matter, 2022, 5, 1251-1262.	10.0	10
22	High-performance double-network ionogels enabled by electrostatic interaction. RSC Advances, 2020, 10, 7424-7431.	3.6	9