Yaling Zhang

List of Publications by Year
in descending order

26 papers	2,151 citations	361296 20 h-index	552653 26 g-index
26 all docs	26 docs citations	26 times ranked	2765 citing authors

#	Article	IF	Citations
1	Synthesis of Multiresponsive and Dynamic Chitosan-Based Hydrogels for Controlled Release of Bioactive Molecules. Biomacromolecules, 2011, 12, 2894-2901.	2.6	578
2	A magnetic self-healing hydrogel. Chemical Communications, 2012, 48, 9305.	2.2	283
3	Facilely prepared inexpensive and biocompatible self-healing hydrogel: a new injectable cell therapy carrier. Polymer Chemistry, 2012, 3, 3235.	1.9	266
4	Introducing the Ugi reaction into polymer chemistry as a green click reaction to prepare middle-functional block copolymers. Polymer Chemistry, 2014, 5, 2704-2708.	1.9	93
5	A New Class of Red Fluorescent Organic Nanoparticles: Noncovalent Fabrication and Cell Imaging Applications. ACS Applied Materials & Interfaces, 2014, 6, 3600-3606.	4.0	93
6	Synthesis of an injectable, self-healable and dual responsive hydrogel for drug delivery and 3D cell cultivation. Polymer Chemistry, 2017, 8, 537-544.	1.9	93
7	â€˜One potâ€™ synthesis of well-defined poly(aminophosphonate)s: time for the Kabachnikâ€“Fields reaction on the stage of polymer chemistry. Polymer Chemistry, 2014, 5, 1857-1862.	1.9	90
8	Combining mussel-inspired chemistry and the Michael addition reaction to disperse carbon nanotubes. RSC Advances, 2012, 2, 12153.	1.7	79
9	Synthesis of Multifunctional Polymers through the Ugi Reaction for Protein Conjugation. Macromolecules, 2014, 47, 5607-5612.	2.2	76
10	From drug to adhesive: a new application of poly(dihydropyrimidin-2(1H)-one)s via the Biginelli polycondensation. Polymer Chemistry, 2015, 6, 4940-4945.	1.9	58
11	Fabrication of water-dispersible and biocompatible red fluorescent organic nanoparticles via PEGylation of aggregate induced emission enhancement dye and their cell imaging applications. Colloids and Surfaces B: Biointerfaces, 2014, 113, 435-441.	2.5	52
12	Introducing mercaptoacetic acid locking imine reaction into polymer chemistry as a green click reaction. Polymer Chemistry, 2014, 5, 2695-2699.	1.9	51
13	Multicomponent Polymerization System Combining Hantzsch Reaction and Reversible Additionâ€“Fragmentation Chain Transfer to Efficiently Synthesize Well-Defined Poly(1,4-dihydropyridine)s. ACS Macro Letters, 2015, 4, 128-132.	2.3	50
14	The power of one-pot: a hexa-component system containing Ï€â€“Ï€ stacking, Ugi reaction and RAFT polymerization for simple polymer conjugation on carbon nanotubes. Polymer Chemistry, 2015, 6, 509-513.	1.9	48
15	One-pot synthesis and biological imaging application of an amphiphilic fluorescent copolymer via a combination of RAFT polymerization and Schiff base reaction. Polymer Chemistry, 2015, 6, 2133-2138.	1.9	43
16	Near-infrared light-induced shape memory, self-healable and anti-bacterial elastomers prepared by incorporation of a diketopyrrolopyrrole-based conjugated polymer. Materials Chemistry Frontiers, 2019, 3, 836-841.	3.2	38
17	Fluorescent PEGylation agent by a thiolactone-based one-pot reaction: a new strategy for theranostic combinations. Polymer Chemistry, 2014, 5, 6656-6661.	1.9	28
18	Nonionic polymer cross-linked chitosan hydrogel: preparation and bioevaluation. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 1564-1574.	1.9	26

#	Article	IF	Citations
19	Self-healing Hydrogels Based on Dynamic Chemistry and Their Biomedical Applications. Acta Chimica Sinica, 2013, 71, 485.	0.5	23
20	Enabling shape memory and healable effects in a conjugated polymer by incorporating siloxane via dynamic imine bond. Chemical Communications, 2018, 54, 10092-10095.	2.2	22
21	Applications of self-assembled one-bilayer nanofilms based on hydroxyl-containing tetraphenylethene derivative's nanoaggregates as chemosensors to volatile of solid nitroaromatics. Sensors and Actuators B: Chemical, 2012, 161, 587-593.	4.0	17
22	Facile preparation of water dispersible red fluorescent organic nanoparticles and their cell imaging applications. Tetrahedron, 2014, 70, 3553-3559.	1.0	17
23	A Facile Preparation of Musselâ€Inspired Poly(dopamine phosphonateâ€coâ€PEGMA)s via a Oneâ€Pot Multicomponent Polymerization System. Macromolecular Rapid Communications, 2020, 41, e1900533.	2.0	11
24	Studying Complex Evolution of Hyperelastic Materials under External Field Stimuli using Artificial Neural Networks with Spatiotemporal Features in a Smallâ€Scale Dataset. Advanced Materials, 2022, 34, e2200908.	11.1	7
25	Electrosynthsis of large polypyrrole films by multi-potential steps method. Science China Technological Sciences, 2011, 54, 1697-1702.	2.0	5
26	Preparation of Chitosan-based Injectable Hydrogels and Its Application in 3D Cell Culture. Journal of Visualized Experiments, 2017, , .	0.2	4