

Huiqi Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1643761/publications.pdf>

Version: 2024-02-01

60
papers

3,407
citations

126708

33
h-index

138251

58
g-index

63
all docs

63
docs citations

63
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the Enthalpy Relaxation Kinetics of Glassy Polystyrene Using Different Fictive Temperatures for Different Properties. <i>Macromolecular Theory and Simulations</i> , 2022, 31, 2100055.	0.6	1
2	Fully Room-Temperature Reprogrammable, Reprocessable, and Photomobile Soft Actuators from a High-Molecular-Weight Main-Chain Azobenzene Crystalline Poly(ester-amide). <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3264-3273.	4.0	14
3	Biological sample-compatible Au nanoparticle-containing fluorescent molecularly imprinted polymer microspheres by combining RAFT polymerization and Au ⁺ -thiol chemistry. <i>Journal of Materials Chemistry B</i> , 2022, 10, 6673-6681.	2.9	2
4	Enhancing the performances of physically cross-linked photodeformable main-chain azobenzene poly(ester-amide)s via chemical structure engineering. <i>Polymer Chemistry</i> , 2022, 13, 3713-3725.	1.9	2
5	Molecularly imprinted dispersive solid-phase microextraction sorbents for direct and selective drug capture from the undiluted bovine serum. <i>Talanta</i> , 2021, 226, 122142.	2.9	13
6	Reprocessable Photodeformable Azobenzene Polymers. <i>Molecules</i> , 2021, 26, 4455.	1.7	11
7	Water-Compatible Fluorescent Molecularly Imprinted Polymers. <i>Methods in Molecular Biology</i> , 2021, 2359, 97-108.	0.4	1
8	Molecularly Imprinted Nanoparticles for Biomedical Applications. <i>Advanced Materials</i> , 2020, 32, e1806328.	11.1	187
9	Well-defined hydrophilic α -turn-on-type ratiometric fluorescent molecularly imprinted polymer microspheres for direct and highly selective herbicide optosensing in the undiluted pure milks. <i>Talanta</i> , 2020, 211, 120711.	2.9	23
10	Facile Preparation of Well-Defined Uniform Hydrophilic Hairy Hollow Functional Polymer Micro- and Nanoparticles. <i>ACS Applied Polymer Materials</i> , 2020, 2, 220-233.	2.0	7
11	Efficient preparation of chemically crosslinked recyclable photodeformable azobenzene polymer fibers with high processability and reconstruction ability via a facile post-crosslinking method. <i>European Polymer Journal</i> , 2020, 139, 109998.	2.6	10
12	Preparation of photodeformable azobenzene polymer fibers by post-crosslinking strategy: Understanding the structure-property relationship. <i>European Polymer Journal</i> , 2020, 135, 109863.	2.6	12
13	Study on enthalpy relaxation of glassy polystyrene using Kohlrausch, Davidson-Cole and Havriliak-Negami distribution functions. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120364.	1.5	2
14	Biological Sample-Compatible Ratiometric Fluorescent Molecularly Imprinted Polymer Microspheres by RAFT Coupling Chemistry. <i>Langmuir</i> , 2020, 36, 12403-12413.	1.6	19
15	Well-defined biological sample-compatible molecularly imprinted polymer microspheres by combining RAFT polymerization and thiol-epoxy coupling chemistry. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2474-2483.	2.9	27
16	Improvement of surface hydrophilicity and biological sample-compatibility of molecularly imprinted polymer microspheres by facile surface modification with β -cyclodextrin. <i>European Polymer Journal</i> , 2019, 115, 12-21.	2.6	13
17	Narrow or Monodisperse, Physically Cross-Linked, and α -Living-Spherical Polymer Particles by One-Stage RAFT Precipitation Polymerization. <i>Macromolecules</i> , 2019, 52, 143-156.	2.2	14
18	CHAPTER 10. Water-compatible Molecularly Imprinted Polymers. <i>RSC Polymer Chemistry Series</i> , 2018, , 330-358.	0.1	2

#	ARTICLE	IF	CITATIONS
19	Supramolecular hydrogen-bonded photodriven actuators based on an azobenzene-containing main-chain liquid crystalline poly(ester-amide). <i>Journal of Materials Chemistry C</i> , 2017, 5, 10391-10398.	2.7	28
20	One-pot synthesis of quantum dot-labeled hydrophilic molecularly imprinted polymer nanoparticles for direct optosensing of folic acid in real, undiluted biological samples. <i>Biosensors and Bioelectronics</i> , 2016, 86, 580-587.	5.3	38
21	Facile preparation of recyclable photodeformable azobenzene polymer fibers with chemically crosslinked networks. <i>Polymer Chemistry</i> , 2016, 7, 5088-5092.	1.9	27
22	Direct and Highly Selective Drug Optosensing in Real, Undiluted Biological Samples with Quantum-Dot-Labeled Hydrophilic Molecularly Imprinted Polymer Microparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15741-15749.	4.0	75
23	Synthesis of well-defined easily crosslinkable azobenzene side-chain liquid crystalline polymers via reversible addition-fragmentation chain transfer polymerization and photomechanical properties of their post-crosslinked fibers. <i>European Polymer Journal</i> , 2015, 69, 592-604.	2.6	26
24	Efficient one-pot synthesis of hydrophilic and fluorescent molecularly imprinted polymer nanoparticles for direct drug quantification in real biological samples. <i>Biosensors and Bioelectronics</i> , 2015, 74, 440-446.	5.3	73
25	Hydrophilic Hollow Molecularly Imprinted Polymer Microparticles with Photo- and Thermoresponsive Template Binding and Release Properties in Aqueous Media. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27340-27350.	4.0	45
26	Easily crosslinkable side-chain azobenzene polymers for fast and persistent fixation of surface relief gratings. <i>New Journal of Chemistry</i> , 2015, 39, 1410-1420.	1.4	17
27	Efficient one-pot synthesis of uniform, surface-functionalized, and "living" polymer microspheres by reverse atom transfer radical precipitation polymerization. <i>European Polymer Journal</i> , 2014, 54, 95-108.	2.6	19
28	Water-compatible molecularly imprinted polymers: Promising synthetic substitutes for biological receptors. <i>Polymer</i> , 2014, 55, 699-714.	1.8	127
29	Efficient synthesis of narrowly dispersed hydrophilic and magnetic molecularly imprinted polymer microspheres with excellent molecular recognition ability in a real biological sample. <i>Chemical Communications</i> , 2014, 50, 2208-2210.	2.2	64
30	Efficient one-pot synthesis of water-compatible and photoresponsive molecularly imprinted polymer nanoparticles by facile RAFT precipitation polymerization. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1941-1952.	2.5	30
31	Well-Defined Hydrophilic Molecularly Imprinted Polymer Microspheres for Efficient Molecular Recognition in Real Biological Samples by Facile RAFT Coupling Chemistry. <i>Biomacromolecules</i> , 2014, 15, 1663-1675.	2.6	68
32	Comparative study of the molecularly imprinted polymers prepared by reversible addition-fragmentation chain transfer "bulk" polymerization and traditional radical "bulk" polymerization. <i>Journal of Molecular Recognition</i> , 2013, 26, 240-251.	1.1	40
33	Synthesis of Reactive Azobenzene Main-Chain Liquid Crystalline Polymers via Michael Addition Polymerization and Photomechanical Effects of Their Supramolecular Hydrogen-Bonded Fibers. <i>Macromolecules</i> , 2013, 46, 7650-7660.	2.2	75
34	Efficient synthesis of monodisperse, highly crosslinked, and "living" functional polymer microspheres by the ambient temperature iniferter-induced "living" radical precipitation polymerization. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1983-1998.	2.5	29
35	Narrowly Dispersed Hydrophilic Molecularly Imprinted Polymer Nanoparticles for Efficient Molecular Recognition in Real Aqueous Samples Including River Water, Milk, and Bovine Serum. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1511-1514.	7.2	201
36	Controlled/"living" radical precipitation polymerization: A versatile polymerization technique for advanced functional polymers. <i>European Polymer Journal</i> , 2013, 49, 579-600.	2.6	149

#	ARTICLE	IF	CITATIONS
37	Efficient Synthesis of Molecularly Imprinted Polymers with Enzyme Inhibition Potency by the Controlled Surface Imprinting Approach. <i>ACS Macro Letters</i> , 2013, 2, 566-570.	2.3	69
38	Efficient synthesis of narrowly dispersed molecularly imprinted polymer microspheres with multiple stimuli-responsive template binding properties in aqueous media. <i>Chemical Communications</i> , 2012, 48, 6217.	2.2	111
39	Ambient temperature synthesis of narrow or monodisperse, highly cross-linked, and "living" polymer microspheres by atom transfer radical precipitation polymerization. <i>RSC Advances</i> , 2012, 2, 5651.	1.7	38
40	Azobenzene-Containing Molecularly Imprinted Polymer Microspheres with Photo- and Thermoresponsive Template Binding Properties in Pure Aqueous Media by Atom Transfer Radical Polymerization. <i>Langmuir</i> , 2012, 28, 9767-9777.	1.6	97
41	Narrowly Dispersed Molecularly Imprinted Polymer Microspheres with Photo- and Thermo-Responsive Template Binding Properties in Pure Aqueous Media by RAFT Polymerization. <i>Molecular Imprinting</i> , 2012, 1, .	1.8	8
42	Photoresponsive side-chain liquid crystalline polymers with amide group-substituted azobenzene mesogens: effects of hydrogen bonding, flexible spacers, and terminal tails. <i>Soft Matter</i> , 2012, 8, 5532.	1.2	39
43	Narrow or Monodisperse, Highly Cross-Linked, and "Living" Polymer Microspheres by Atom Transfer Radical Precipitation Polymerization. <i>Macromolecules</i> , 2011, 44, 5893-5904.	2.2	75
44	Controlled synthesis of water-compatible molecularly imprinted polymer microspheres with ultrathin hydrophilic polymer shells via surface-initiated reversible addition-fragmentation chain transfer polymerization. <i>Soft Matter</i> , 2011, 7, 8428.	1.2	99
45	Azobenzene-containing molecularly imprinted polymer microspheres with photoresponsive template binding properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 2320-2329.	6.7	73
46	Efficient One-Pot Synthesis of Water-Compatible Molecularly Imprinted Polymer Microspheres by Facile RAFT Precipitation Polymerization. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11731-11734.	7.2	191
47	An efficient approach to obtaining water-compatible and stimuli-responsive molecularly imprinted polymers by the facile surface-grafting of functional polymer brushes via RAFT polymerization. <i>Biosensors and Bioelectronics</i> , 2010, 26, 976-982.	5.3	141
48	Preparation of molecularly imprinted polymers via atom transfer radical "bulk" polymerization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 532-541.	2.5	44
49	One-pot synthesis of surface-functionalized molecularly imprinted polymer microspheres by iniferter-induced "living" radical precipitation polymerization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3217-3228.	2.5	52
50	Efficient synthesis of photoresponsive azobenzene-containing side-chain liquid crystalline polymers with high molecular weights by click chemistry. <i>Polymer Chemistry</i> , 2010, 1, 1501.	1.9	36
51	Preparation of molecularly imprinted polymer microspheres via atom transfer radical precipitation polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3257-3270.	2.5	88
52	Preparation of molecularly imprinted polymer microspheres via reversible addition-fragmentation chain transfer precipitation polymerization. <i>Polymer</i> , 2009, 50, 2819-2825.	1.8	120
53	Photoresponsive side-chain liquid crystalline polymers with an easily cross-linkable azobenzene mesogen. <i>Journal of Materials Chemistry</i> , 2009, 19, 236-245.	6.7	56
54	Molecularly Imprinted Nanoreactors for Regioselective Huisgen 1,3-Dipolar Cycloaddition Reaction. <i>Journal of the American Chemical Society</i> , 2006, 128, 4178-4179.	6.6	83

#	ARTICLE	IF	CITATIONS
55	Non-covalent molecular imprinting with emphasis on its application in separation and drug development. <i>Journal of Molecular Recognition</i> , 2006, 19, 248-259.	1.1	207
56	Synthesis and characterisation of hydroxyl end-capped telechelic polymers with poly(methyl methacrylate) (PMMA) and poly(ethylene glycol) (PEG). <i>Polymer</i> , 2004, 45, 1455-1466.	1.8	49
57	Synthesis of Anthracene End-Capped Poly(methyl methacrylate)s via Atom Transfer Radical Polymerization and Its Kinetic Analyses. <i>Macromolecules</i> , 2002, 35, 2261-2267.	2.2	51
58	Effect of Cu(II) on the Kinetics of the Homogeneous Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2001, 34, 6169-6173.	2.2	106
59	9-(Guanidinomethyl)-10-vinylanthracene: a suitable fluorescent monomer for MIPs. <i>Tetrahedron Letters</i> , 2001, 42, 4413-4416.	0.7	25
60	Reprocessable and healable room temperature photoactuators based on a main-chain azobenzene liquid crystalline poly(ester-urea). <i>Journal of Materials Chemistry C</i> , 2013, 1, 100-106.	2.7	10