Yong-Guang Jia

List of Publications by Year
in descending order

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66 papers	1,928 citations	218662 26 h-index	265191 42 g-index
66 all docs	66 docs citations	66 times ranked	2610 citing authors

#	Article	IF	Citations
1	Engineering air-in-water emulsion as adaptable multifunctional sealant. Chemical Engineering Journal, 2022, 429, 132200.	12.7	8
2	Upper critical solution temperature polymeric drug carriers. Chemical Engineering Journal, 2022, 432, 134354.	12.7	21
3	Macroporous Adhesive Nanoâ€Enabled Hydrogels Generated from Airâ€inâ€Water Emulsions. Macromolecular Bioscience, 2022, 22, e2100491.	4.1	9
4	Upper Critical Solution Temperature Polyvalent Scaffolds Aggregate and Exterminate Bacteria. Small, 2022, 18, e2107374.	10.0	6
5	Multiregulation of Aggregationâ€Induced Emission (AIE) via a Competitive Hostâ€“Guest Recognition and Î±â€Amylase Hydrolyzing. Macromolecular Chemistry and Physics, 2022, 223, .	2.2	2
6	Upper Critical Solution Temperature Polyvalent Scaffolds Aggregate and Exterminate Bacteria (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	10.0	0
7	Natural Dualâ€Crosslinked Selfâ€Healing Hydrogels for In Situ Wound Healing. Macromolecular Materials and Engineering, 2022, 307, .	3.6	2
8	Fusion peptide engineered â€œstatically-versatileâ€•titanium implant simultaneously enhancing anti-infection, vascularization and osseointegration. Biomaterials, 2021, 264, 120446.	11.4	52
9	Photo-triggered Zn2+ release for the regulation of zinc enzymes. Materials Chemistry Frontiers, 2021, 5, 1824-1829.	5.9	0
10	Controllable polymeric pseudo-crown ether fluorescent sensors: responsiveness and selective detection of metal ions. New Journal of Chemistry, 2021, 45, 2122-2131.	2.8	1
11	Recent Progress in Bile Acid-Based Antimicrobials. Bioconjugate Chemistry, 2021, 32, 395-410.	3.6	16
12	Polyrotaxane Crosslinked Selfâ€Healing Hydrogels for Switchable Bioadhesion. Macromolecular Chemistry and Physics, 2021, 222, 2000461.	2.2	3
13	Polypseudorotaxanes Derived from Tetraphenylethylene: Preparation and Tandem-Activated Aggregation-Induced Emission. Biomacromolecules, 2021, 22, 2248-2255.	5.4	3
14	Visualizing phase transition of upper critical solution temperature (UCST) polymers with AIE. Science China Chemistry, 2021, 64, 403-407.	8.2	19
15	Biomimetic cartilage-lubricating polymers regenerate cartilage in rats with early osteoarthritis. Nature Biomedical Engineering, 2021, 5, 1189-1201.	22.5	67
16	An activity-based fluorescent probe and its application for differentiating alkaline phosphatase activity in different cell lines. Chemical Communications, 2020, 56, 13323-13326.	4.1	22
17	Conductive and antimicrobial macroporous nanocomposite hydrogels generated from air-in-water Pickering emulsions for neural stem cell differentiation and skin wound healing. Biomaterials Science, 2020, 8, 6957-6968.	5.4	31
18	Preparation of collagen/cellulose nanocrystals composite films and their potential applications in corneal repair. Journal of Materials Science: Materials in Medicine, 2020, 31, 55.	3.6	17

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19	Polypeptide-based self-healing hydrogels: Design and biomedical applications. Acta Biomaterialia, 2020, 113, 84-100.	8.3	100
20	AND logic gate based fluorescence probe for simultaneous detection of peroxynitrite and hypochlorous acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118073.	3.9	18
21	AIEâ€Based Theranostic Probe for Sequential Imaging and Killing of Bacteria and Cancer Cells. Advanced Optical Materials, 2020, 8, 1902191.	7.3	31
22	One-pot quaternization of dual-responsive poly(vinyl alcohol) with AIEgens for pH-switchable imaging and killing of bacteria. Materials Chemistry Frontiers, 2020, 4, 2635-2645.	5.9	10
23	Mechanical and Optical Properties of Reinforced Collagen Membranes for Corneal Regeneration through Polyrotaxane Cross-Linking. ACS Applied Bio Materials, 2019, 2, 3861-3869.	4.6	22
24	TiO2 and PEEK Reinforced 3D Printing PMMA Composite Resin for Dental Denture Base Applications. Nanomaterials, 2019, 9, 1049.	4.1	77
25	Responsive Polypseudorotaxane Hydrogels Triggered by a Compatible Stimulus of CO 2. Macromolecular Chemistry and Physics, 2019, 220, 1900071.	2.2	6
26	AIE-Active and Thermoresponsive Alternating Polyurethanes of Bile Acid and PEG for Cell Imaging. ACS Applied Polymer Materials, 2019, 1, 2973-2980.	4.4	13
27	Engineering topography: Effects on corneal cell behavior and integration into corneal tissue engineering. Bioactive Materials, 2019, 4, 293-302.	15.6	29
28	Glycopolymers Made from Polyrotaxanes Terminated with Bile Acids: Preparation, Selfâ€Assembly, and Targeting Delivery. Macromolecular Bioscience, 2019, 19, e1800478.	4.1	4
29	Progress in self-healing hydrogels assembled by hostâ€“guest interactions: preparation and biomedical applications. Journal of Materials Chemistry B, 2019, 7, 1637-1651.	5.8	93
30	Multiple and two-way reversible shape memory polymers: Design strategies and applications. Progress in Materials Science, 2019, 105, 100572.	32.8	129
31	Nano-Carriers Based on pH-Sensitive Star-Shaped Copolymers for Drug-Controlled Release. Materials, 2019, 12, 1610.	2.9	10
32	pH-Responsive Micelles Assembled by Three-Armed Degradable Block Copolymers with a Cholic Acid Core for Drug Controlled-Release. Polymers, 2019, 11, 511.	4.5	25
33	Quadruple hydrogen bonds and thermo-triggered hydrophobic interactions generate dynamic hydrogels to modulate transplanted cell retention. Biomaterials Science, 2019, 7, 1286-1298.	5.4	36
34	Supramolecular and dynamic covalent hydrogel scaffolds: from gelation chemistry to enhanced cell retention and cartilage regeneration. Journal of Materials Chemistry B, 2019, 7, 6705-6736.	5.8	59
35	Microgrooved collagen-based corneal scaffold for promoting collective cell migration and antifibrosis. RSC Advances, 2019, 9, 29463-29473.	3.6	12
36	Collagenâ€“Hydroxypropyl Methylcellulose Membranes for Corneal Regeneration. ACS Omega, 2018, 3, 1269-1275.	3.5	25

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37	Self-Healing Hydrogels of Low Molecular Weight Poly(vinyl alcohol) Assembled by Hostâ€“Guest Recognition. Biomacromolecules, 2018, 19, 626-632.	5.4	68
38	Weak Hydrogen Bonds Lead to Self-Healable and Bioadhesive Hybrid Polymeric Hydrogels with Mineralization-Active Functions. Biomacromolecules, 2018, 19, 1939-1949.	5.4	49
39	A Study of 3D-Printable Reinforced Composite Resin: PMMA Modified with Silver Nanoparticles Loaded Cellulose Nanocrystal. Materials, 2018, 11, 2444.	2.9	57
40	Temperature-Controlled Reversible Exposure and Hiding of Antimicrobial Peptides on an Implant for Killing Bacteria at Room Temperature and Improving Biocompatibility in Vivo. ACS Applied Materials & Interfaces, 2018, 10, 35830-35837.	8.0	34
41	â€œBiowheel-Axleâ€•Assembly of Î²-Cyclodextrin Fitted onto Bile Acid Units Linked by PEG Spacers through Inclusion Polymerization. Macromolecules, 2018, 51, 8455-8460.	4.8	9
42	Solubleâ€“Insolubleâ€“Soluble Transitions of Thermoresponsive Cryptand-Containing Graft Copolymers. ACS Omega, 2018, 3, 10172-10179.	3.5	6
43	Functionalization of composite bacterial cellulose with C₆₀nanoparticles for wound dressing and cancer therapy. RSC Advances, 2018, 8, 18197-18203.	3.6	32
44	Î±-Cyclodextrins Polyrotaxane Loading Silver Sulfadiazine. Polymers, 2018, 10, 190.	4.5	6
45	â€œBitter-Sweetâ€•Polymeric Micelles Formed by Block Copolymers from Glucosamine and Cholic Acid. Biomacromolecules, 2017, 18, 778-786.	5.4	30
46	Two-Way Reversible Shape Memory Polymers Made of Cross-Linked Cocrystallizable Random Copolymers with Tunable Actuation Temperatures. Macromolecules, 2017, 50, 8570-8579.	4.8	99
47	Tunable Upper Critical Solution Temperatures for Acrylamide Copolymers with Bile Acid Pendants. Biomacromolecules, 2017, 18, 2663-2668.	5.4	25
48	CO₂-Switchable Self-Healing Hostâ€“Guest Hydrogels. Macromolecules, 2017, 50, 9696-9701.	4.8	45
49	Glycopolymers Bearing Galactose and Betulin: Synthesis, Encapsulation, and Lectin Recognition. Biomacromolecules, 2017, 18, 3812-3818.	5.4	26
50	A Molecular Necklace: Threading Î²-Cyclodextrins onto Polymers Derived from Bile Acids. Angewandte Chemie - International Edition, 2016, 55, 11979-11983.	13.8	37
51	A Molecular Necklace: Threading Î²-Cyclodextrins onto Polymers Derived from Bile Acids. Angewandte Chemie, 2016, 128, 12158-12162.	2.0	10
52	Nanocomposite hydrogels of LAPONITEÂ® mixed with polymers bearing dopamine and cholic acid pendants. RSC Advances, 2016, 6, 23033-23037.	3.6	8
53	Biocompound-Based Multiple Shape Memory Polymers Reinforced by Photo-Cross-Linking. ACS Biomaterials Science and Engineering, 2015, 1, 855-863.	5.2	44
54	Thermo- and pH-Responsive Copolymers Bearing Cholic Acid and Oligo(ethylene glycol) Pendants: Self-Assembly and pH-Controlled Release. ACS Applied Materials & Interfaces, 2015, 7, 24649-24655.	8.0	32

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55	Self-Healing Supramolecular Hydrogel Made of Polymers Bearing Cholic Acid and Î²-Cyclodextrin Pendants. Chemistry of Materials, 2015, 27, 387-393.	6.7	160
56	Complex thermoresponsive behavior of diblock polyacrylamides. Polymer Chemistry, 2014, 5, 4358-4364.	3.9	16
57	Thermoresponsiveness of Copolymers Bearing Cholic Acid Pendants Induced by Complexation with Î²-Cyclodextrin. Langmuir, 2014, 30, 11770-11775.	3.5	30
58	Block and Random Copolymers Bearing Cholic Acid and Oligo(ethylene glycol) Pendant Groups: Aggregation, Thermosensitivity, and Drug Loading. Biomacromolecules, 2014, 15, 1837-1844.	5.4	59
59	Effect of crossâ€linker on morphology, catalytic activity, and recyclability of immobilized palladium chloride. Journal of Applied Polymer Science, 2013, 128, 2604-2610.	2.6	3
60	Multi-Responsive Properties of a Poly(Ethylene Glycol)-Grafted Alternating Copolymers of Distyrenic Monomer with Maleic Anhydride. Langmuir, 2012, 28, 4500-4506.	3.5	18
61	Preparation and characterization of novel organic/inorganic hybrid nanoparticles containing an organotin core and a polystyrene shell. Journal of Applied Polymer Science, 2012, 126, 56-65.	2.6	2
62	Wellâ€defined polymers containing 1,3â€dichloroâ€tetraâ€nâ€butylâ€distannoxane moiety: Synthesis, mechanism, and applications in catalysis. Journal of Applied Polymer Science, 2012, 123, 3485-3494.	2.6	1
63	Crown Ether Cavity-Containing Copolymers via Controlled Alternating Cyclocopolymerization. Macromolecules, 2011, 44, 6311-6317.	4.8	25
64	Novel organotin-containing diblock copolymer with tunable nanostructures: Synthesis, self-assembly and morphological change. Journal of Organometallic Chemistry, 2011, 696, 1416-1424.	1.8	7
65	Novel organotinâ€containing shellâ€crossâ€linked knedel and coreâ€crossâ€linked knedel: Synthesis and application in catalysis. Journal of Polymer Science Part A, 2010, 48, 5992-6002.	2.3	9
66	Î±-Amylase lighted aggregation-induced emission luminogens based self-healing hydrogels. Polymer Chemistry, 0, , .	3.9	3