

Yong-Guang Jia

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,928
citations

218677

26
h-index

265206

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. <i>Chemical Engineering Journal</i> , 2022, 429, 132200.	12.7	8
2	Upper critical solution temperature polymeric drug carriers. <i>Chemical Engineering Journal</i> , 2022, 432, 134354.	12.7	21
3	Macroporous Adhesive Nano-Enabled Hydrogels Generated from Air-in-Water Emulsions. <i>Macromolecular Bioscience</i> , 2022, 22, e2100491.	4.1	9
4	Upper Critical Solution Temperature Polyvalent Scaffolds Aggregate and Exterminate Bacteria. <i>Small</i> , 2022, 18, e2107374.	10.0	6
5	Multiregulation of Aggregation-Induced Emission (AIE) via a Competitive Host-Guest Recognition and Amylase Hydrolyzing. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	2.2	2
6	Upper Critical Solution Temperature Polyvalent Scaffolds Aggregate and Exterminate Bacteria (Small) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	16.0	0
7	Natural Dual-Crosslinked Self-Healing Hydrogels for In Situ Wound Healing. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	2
8	Fusion peptide engineered -statically-versatile-titanium implant simultaneously enhancing anti-infection, vascularization and osseointegration. <i>Biomaterials</i> , 2021, 264, 120446.	11.4	52
9	Photo-triggered Zn ²⁺ release for the regulation of zinc enzymes. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1824-1829.	5.9	0
10	Controllable polymeric pseudo-crown ether fluorescent sensors: responsiveness and selective detection of metal ions. <i>New Journal of Chemistry</i> , 2021, 45, 2122-2131.	2.8	1
11	Recent Progress in Bile Acid-Based Antimicrobials. <i>Bioconjugate Chemistry</i> , 2021, 32, 395-410.	3.6	16
12	Polyrotaxane Crosslinked Self-Healing Hydrogels for Switchable Bioadhesion. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000461.	2.2	3
13	Polypseudorotaxanes Derived from Tetraphenylethylene: Preparation and Tandem-Activated Aggregation-Induced Emission. <i>Biomacromolecules</i> , 2021, 22, 2248-2255.	5.4	3
14	Visualizing phase transition of upper critical solution temperature (UCST) polymers with AIE. <i>Science China Chemistry</i> , 2021, 64, 403-407.	8.2	19
15	Biomimetic cartilage-lubricating polymers regenerate cartilage in rats with early osteoarthritis. <i>Nature Biomedical Engineering</i> , 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. <i>Chemical Communications</i> , 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. <i>Biomaterials Science</i> , 2020, 8, 6957-6968.	5.4	31
18	Preparation of collagen/cellulose nanocrystals composite films and their potential applications in corneal repair. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 55.	3.6	17

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

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37	Self-Healing Hydrogels of Low Molecular Weight Poly(vinyl alcohol) Assembled by Host-Guest Recognition. <i>Biomacromolecules</i> , 2018, 19, 626-632.	5.4	68
38	Weak Hydrogen Bonds Lead to Self-Healable and Bioadhesive Hybrid Polymeric Hydrogels with Mineralization-Active Functions. <i>Biomacromolecules</i> , 2018, 19, 1939-1949.	5.4	49
39	A Study of 3D-Printable Reinforced Composite Resin: PMMA Modified with Silver Nanoparticles Loaded Cellulose Nanocrystal. <i>Materials</i> , 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. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35830-35837.	8.0	34
41	Biowheel-Axle Assembly of β -Cyclodextrin Fitted onto Bile Acid Units Linked by PEG Spacers through Inclusion Polymerization. <i>Macromolecules</i> , 2018, 51, 8455-8460.	4.8	9
42	Soluble-Insoluble-Soluble Transitions of Thermoresponsive Cryptand-Containing Graft Copolymers. <i>ACS Omega</i> , 2018, 3, 10172-10179.	3.5	6
43	Functionalization of composite bacterial cellulose with C_{60} nanoparticles for wound dressing and cancer therapy. <i>RSC Advances</i> , 2018, 8, 18197-18203.	3.6	32
44	β -Cyclodextrins Polyrotaxane Loading Silver Sulfadiazine. <i>Polymers</i> , 2018, 10, 190.	4.5	6
45	Bitter-Sweet Polymeric Micelles Formed by Block Copolymers from Glucosamine and Cholic Acid. <i>Biomacromolecules</i> , 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. <i>Macromolecules</i> , 2017, 50, 8570-8579.	4.8	99
47	Tunable Upper Critical Solution Temperatures for Acrylamide Copolymers with Bile Acid Pendants. <i>Biomacromolecules</i> , 2017, 18, 2663-2668.	5.4	25
48	CO_2 -Switchable Self-Healing Host-Guest Hydrogels. <i>Macromolecules</i> , 2017, 50, 9696-9701.	4.8	45
49	Glycopolymers Bearing Galactose and Betulin: Synthesis, Encapsulation, and Lectin Recognition. <i>Biomacromolecules</i> , 2017, 18, 3812-3818.	5.4	26
50	A Molecular Necklace: Threading β -Cyclodextrins onto Polymers Derived from Bile Acids. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11979-11983.	13.8	37
51	A Molecular Necklace: Threading β -Cyclodextrins onto Polymers Derived from Bile Acids. <i>Angewandte Chemie</i> , 2016, 128, 12158-12162.	2.0	10
52	Nanocomposite hydrogels of LAPONITE [®] mixed with polymers bearing dopamine and cholic acid pendants. <i>RSC Advances</i> , 2016, 6, 23033-23037.	3.6	8
53	Biocompound-Based Multiple Shape Memory Polymers Reinforced by Photo-Cross-Linking. <i>ACS Biomaterials Science and Engineering</i> , 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. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24649-24655.	8.0	32

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55	Self-Healing Supramolecular Hydrogel Made of Polymers Bearing Cholic Acid and β -Cyclodextrin Pendants. <i>Chemistry of Materials</i> , 2015, 27, 387-393.	6.7	160
56	Complex thermoresponsive behavior of diblock polyacrylamides. <i>Polymer Chemistry</i> , 2014, 5, 4358-4364.	3.9	16
57	Thermoresponsiveness of Copolymers Bearing Cholic Acid Pendants Induced by Complexation with β -Cyclodextrin. <i>Langmuir</i> , 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. <i>Biomacromolecules</i> , 2014, 15, 1837-1844.	5.4	59
59	Effect of crosslinker on morphology, catalytic activity, and recyclability of immobilized palladium chloride. <i>Journal of Applied Polymer Science</i> , 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. <i>Langmuir</i> , 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. <i>Journal of Applied Polymer Science</i> , 2012, 126, 56-65.	2.6	2
62	Well-defined polymers containing 1,3-dichloro-4- <i>n</i> -butyl-1,3-dioxane moiety: Synthesis, mechanism, and applications in catalysis. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3485-3494.	2.6	1
63	Crown Ether Cavity-Containing Copolymers via Controlled Alternating Cyclocopolymerization. <i>Macromolecules</i> , 2011, 44, 6311-6317.	4.8	25
64	Novel organotin-containing diblock copolymer with tunable nanostructures: Synthesis, self-assembly and morphological change. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1416-1424.	1.8	7
65	Novel organotin-containing shell-crosslinked knedel and core-crosslinked knedel: Synthesis and application in catalysis. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5992-6002.	2.3	9
66	β -Amylase lighted aggregation-induced emission luminogens based self-healing hydrogels. <i>Polymer Chemistry</i> , 0, , .	3.9	3