

# Jianwei Guo

## List of Publications by Year in descending order

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56  
papers

973  
citations

516561

16  
h-index

477173

29  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and experimental investigation of aluminum nitride-based composite phase change materials for battery thermal management. <i>Energy Conversion and Management</i> , 2020, 204, 112319.	4.4	113
2	Polypeptide-based self-healing hydrogels: Design and biomedical applications. <i>Acta Biomaterialia</i> , 2020, 113, 84-100.	4.1	100
3	Experimental investigation of the flame retardant and form-stable composite phase change materials for a power battery thermal management system. <i>Journal of Power Sources</i> , 2020, 480, 229116.	4.0	88
4	Cationic Gemini surfactants based on adamantane: Synthesis, surface activity and aggregation properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 572-580.	2.3	60
5	Delivery of anticancer drug using pH-sensitive micelles from triblock copolymer MPEG-b-PBAE-b-PLA. <i>Materials Science and Engineering C</i> , 2018, 84, 254-262.	3.8	49
6	Simulation and Operation Cost Estimate for Phenol Extraction and Solvent Recovery Process of Coal-Gasification Wastewater. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 12108-12115.	1.8	40
7	Injectable thermo-sensitive and wide-crack self-healing hydrogel loaded with antibacterial anti-inflammatory dipotassium glycyrrhizate for full-thickness skin wound repair. <i>Acta Biomaterialia</i> , 2022, 143, 203-215.	4.1	33
8	On the improvement of properties of bioplastic composites derived from wasted cottonseed protein by rational cross-linking and natural fiber reinforcement. <i>Green Chemistry</i> , 2020, 22, 8642-8655.	4.6	29
9	DPD studies on mixed micelles self-assembled from MPEG-PDEAEMA and MPEG-PCL for controlled doxorubicin release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 56-65.	2.5	28
10	Novel halogen-free flame retardants based on adamantane for polycarbonate. <i>RSC Advances</i> , 2015, 5, 67054-67065.	1.7	27
11	Fabrication of PDEAEMA-based pH-responsive mixed micelles for application in controlled doxorubicin release. <i>RSC Advances</i> , 2017, 7, 27564-27573.	1.7	25
12	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.	2.0	25
13	Synthesis of thermochemically stable tetraphenyladamantane-based microporous polymers as gas storage materials. <i>RSC Advances</i> , 2017, 7, 16174-16180.	1.7	20
14	Effect of adamantyl methacrylate on the thermal and mechanical properties of thermosensitive poly( <i>N</i> -isopropylacrylamide) hydrogels. <i>Journal of Applied Polymer Science</i> , 2012, 124, 155-163.	1.3	19
15	Liquid-Liquid Equilibria for the Ternary System Methyl Isobutyl Ketone + 1,2-Benzenediol + Water. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3663-3667.	1.0	19
16	Liquid-Liquid Equilibria for the Ternary System Methyl Isobutyl Ketone + <i>m</i> -Benzenediol + Water. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3324-3328.	1.0	19
17	pH-Sensitive Mixed Micelles Assembled from PDEAEMA-PPEGMA and PCL-PPEGMA for Doxorubicin Delivery: Experimental and DPD Simulations Study. <i>Pharmaceutics</i> , 2020, 12, 170.	2.0	17
18	Synthesis of Adamantane-Based Trimeric Cationic Surfactants. <i>Synthetic Communications</i> , 2013, 43, 1161-1167.	1.1	16

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19	Synthesis, Surface Property and Antimicrobial Activity of Cationic Gemini Surfactants Containing Adamantane and Amide Groups. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 943-950.	1.0	16
20	DPD simulations and experimental study on reduction-sensitive polymeric micelles self-assembled from PCL-SS-PPEGMA for doxorubicin controlled release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111797.	2.5	16
21	pH-Sensitive Micelles Based on Star Copolymer Ad-(PCL-b-PDEAEMA-b-PPEGMA) <sub>4</sub> for Controlled Drug Delivery. <i>Polymers</i> , 2018, 10, 443.	2.0	15
22	Characterization and properties of plywood bioadhesive derived from cottonseed protein and sawdust cellulose. <i>Cellulose</i> , 2022, 29, 5869-5881.	2.4	14
23	Synthesis of an Efficient S/N-Based Flame Retardant and Its Application in Polycarbonate. <i>Polymers</i> , 2018, 10, 441.	2.0	12
24	Polycarbonate/Sulfonamide Composites with Ultralow Contents of Halogen-Free Flame Retardant and Desirable Compatibility. <i>Materials</i> , 2020, 13, 3656.	1.3	12
25	Experimental investigation on the essential cause of the degrading performances for an overcharging ternary battery. <i>International Journal of Energy Research</i> , 2020, 44, 3134-3147.	2.2	12
26	Microporous organic polymers based on hexaphenylbiadamantane: Synthesis, ultra-high stability and gas capture. <i>Materials Letters</i> , 2017, 187, 76-79.	1.3	11
27	Exceptionally Stable Microporous Organic Frameworks with Rigid Building Units for Efficient Small Gas Adsorption and Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 7548-7556.	4.0	11
28	Microporous frameworks based on adamantane building blocks: Synthesis, porosity, selective adsorption and functional application. <i>Reactive and Functional Polymers</i> , 2018, 130, 126-132.	2.0	10
29	Bulk fabrication of porous organic framework polymers on flexible nanofibers and their application for water purification. <i>Reactive and Functional Polymers</i> , 2019, 135, 58-64.	2.0	10
30	Nano-Carriers Based on pH-Sensitive Star-Shaped Copolymers for Drug-Controlled Release. <i>Materials</i> , 2019, 12, 1610.	1.3	10
31	Synthesis of the polymerizable room temperature ionic liquid AMPS “ TEA and superabsorbency for organic liquids of its copolymeric gels with acrylamide. <i>Designed Monomers and Polymers</i> , 2014, 17, 140-146.	0.7	9
32	Performance of a Novel Sulfonate Flame Retardant Based on Adamantane for Polycarbonate. <i>Polymer</i> , 2013, 37, 437-441.	0.0	8
33	Synthesis and luminescence properties of long-chain (2,7-carbazolyl)-adamantane copolymers. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	7
34	Immobilization of antibody conjugated ZnS quantum dots onto poly(2,6-dimethyl-1,4-phenylene oxide) nanofibers with Poly(N-isopropylacrylamide) grafts as reversibly fluorescence immunoassay. <i>Dyes and Pigments</i> , 2018, 159, 198-208.	2.0	7
35	Adamantane-Based Micro- and Ultra-Microporous Frameworks for Efficient Small Gas and Toxic Organic Vapor Adsorption. <i>Polymers</i> , 2019, 11, 486.	2.0	7
36	Synthesis of Poly(maleic anhydride-co-taurine) as a Biodegradable Detergent Builder. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 865-869.	1.0	6

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37	Synthesis, Chloramphenicol Uptake, and In Vitro Release of Poly(AMPS-co-TEA-Co-AAm) Gels with Affinity for Both Water and Alcohols. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 73-79.	1.8	6
38	Synthesis of rigid cores based on 1,1-bisadamantane. <i>RSC Advances</i> , 2016, 6, 8677-8680.	1.7	5
39	Microporous frameworks with conjugated $\pi$ -electron skeletons for enhanced gas and organic vapor capture. <i>Microporous and Mesoporous Materials</i> , 2018, 267, 80-83.	2.2	5
40	Rapid precipitation-reduction synthesis of carbon-supported silver for efficient oxygen reduction reaction in alkaline solution. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2601-2607.	1.2	5
41	Acid-Responsive Adamantane-Cored Amphiphilic Block Polymers as Platforms for Drug Delivery. <i>Nanomaterials</i> , 2021, 11, 188.	1.9	4
42	Synthesis and performances of biodegradable copolymers of disodium cis-epoxysuccinate and 2,3-oxiranerethane sulfonic acid sodium used as nonphosphoric detergent builders. <i>Polymer Bulletin</i> , 2015, 72, 93-102.	1.7	3
43	Green SO <sub>2</sub> conversion from flue gas by pH variation. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 593-600.	2.1	3
44	Polypseudorotaxanes Derived from Tetraphenylethylene: Preparation and Tandem-Activated Aggregation-Induced Emission. <i>Biomacromolecules</i> , 2021, 22, 2248-2255.	2.6	3
45	Hypoxia-sensitive micelles based on amphiphilic chitosan derivatives for drug-controlled release. <i>Polymers for Advanced Technologies</i> , 2021, 32, 3113-3122.	1.6	3
46	$\beta$ -Amylase lighted aggregation-induced emission luminogens based self-healing hydrogels. <i>Polymer Chemistry</i> , 0, , .	1.9	3
47	Preparation and applications of hydrophilic quaternary ammonium salt type polymeric antistatic agents. <i>E-Polymers</i> , 2022, 22, 370-378.	1.3	3
48	Experimental studies for levulinic acid production from water hyacinth plant. , 2011, , .		2
49	Novel Synthesis of Heterocycle-Containing Adamantane Derivatives. <i>Asian Journal of Chemistry</i> , 2013, 25, 7557-7560.	0.1	2
50	Three-dimensional nanoporous organic frameworks based on rigid unites. <i>Materials Letters</i> , 2019, 236, 155-158.	1.3	2
51	Multiregulation of Aggregation-Induced Emission (AIE) via a Competitive Host-Guest Recognition and $\beta$ -Amylase Hydrolyzing. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	1.1	2
52	Synthesis and characterization of polyaspartic acid-glutamic acid grafted copolymers and their performances as detergent builder. <i>Journal of Applied Polymer Science</i> , 2014, 131, n/a-n/a.	1.3	1
53	Enhancement of thermal stability and photoluminescent performance of blue light emitting material by incorporating adamantane moieties into carbazole system. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2018, 55, 176-182.	1.2	1
54	Mesoscopic Simulations on the Aggregate Behavior of Oligomeric Adamantane Surfactants in Aqueous Solutions. <i>Tenside, Surfactants, Detergents</i> , 2016, 53, 120-126.	0.5	0

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55	pH-Sensitive micelles of adamantane-based random copolymer. <i>Materials Letters</i> , 2020, 260, 126889.	1.3	0
56	Elastic Light Scattering Studies on Cold-crystallization Behaviors of Syndiotactic Polystyrene. <i>Acta Chimica Sinica</i> , 2012, 70, 254.	0.5	0