

Dong Qiu

List of Publications by Year in descending order

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104
papers

3,551
citations

147801

31
h-index

155660

55
g-index

106
all docs

106
docs citations

106
times ranked

4967
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel bioactive glass-based root canal sealer in endodontics. <i>Journal of Dental Sciences</i> , 2022, 17, 217-224.	2.5	11
2	Hysteresisâ€Free Nanoparticleâ€Reinforced Hydrogels. <i>Advanced Materials</i> , 2022, 34, e2108243.	21.0	92
3	Reversible switching of polymeric gel structure and property by solvent exchange. <i>Science China Materials</i> , 2022, 65, 547-552.	6.3	9
4	Effective Antifogging Coating from Hydrophilic/Hydrophobic Polymer Heteronetwork. <i>Advanced Science</i> , 2022, 9, e2200072.	11.2	38
5	Scalable Synthesis of Photoluminescent Singleâ€Chain Nanoparticles by Electrostaticâ€Mediated Intramolecular Crosslinking. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
6	Direct measuring of singleâ€heterogeneous bubble nucleation mediated by surface topology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
7	Design of selective cell migration biomaterials and their applications for tissue regeneration. <i>Journal of Materials Science</i> , 2021, 56, 4080-4096.	3.7	8
8	Superabsorbent polymers used for agricultural water retention. <i>Polymer Testing</i> , 2021, 94, 107021.	4.8	98
9	Facile intramolecular crosslinking of polymers by metallic coordination in concentrated solutions. <i>Polymer Chemistry</i> , 2021, 12, 172-176.	3.9	8
10	Molecular level study of cadmium adsorption on dithiocarbamate modified chitosan. <i>Environmental Pollution</i> , 2021, 271, 116322.	7.5	10
11	Brain-targeting delivery of MMB4 DMS using carrier-free nanomedicine CRT-MMB4@MDZ. <i>Drug Delivery</i> , 2021, 28, 1822-1835.	5.7	5
12	A three-tiered colloidosomal microreactor for continuous flow catalysis. <i>Nature Communications</i> , 2021, 12, 6113.	12.8	39
13	Adhesives to empower a manipulator inspired by the chameleon tongue. <i>Chinese Chemical Letters</i> , 2020, 31, 821-825.	9.0	4
14	Toughening anti-overswelling semicrystalline polymer hydrogels with ultra-small hydrophobic nanoparticles. <i>Polymer</i> , 2020, 186, 122080.	3.8	5
15	Wrinkled double network hydrogel <i>via</i> simple stretch-recovery. <i>Chemical Communications</i> , 2020, 56, 13587-13590.	4.1	12
16	Fabrication of monodisperse asymmetric polystyrene particles by crosslinking regulation in seeded emulsion polymerization. <i>Polymer</i> , 2020, 203, 122799.	3.8	10
17	Biphasic Double-Network Hydrogel With Compartmentalized Loading of Bioactive Glass for Osteochondral Defect Repair. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 752.	4.1	19
18	A Solventâ€Exchange Strategy to Regulate Noncovalent Interactions for Strong and Antiswelling Hydrogels. <i>Advanced Materials</i> , 2020, 32, e2004579.	21.0	177

#	ARTICLE	IF	CITATIONS
19	Bone Adhesives: Bioactive Pore-Forming Bone Adhesives Facilitating Cell Ingrowth for Fracture Healing (Adv. Mater. 10/2020). Advanced Materials, 2020, 32, 2070078.	21.0	2
20	In vitro and in vivo evaluation of the pH-neutral bioactive glass as high performance bone grafts. Materials Science and Engineering C, 2020, 116, 111249.	7.3	13
21	Large scale synthesis of single-chain/colloid Janus nanoparticles with tunable composition. Chemical Communications, 2020, 56, 3875-3878.	4.1	11
22	Bioactive Pore-Forming Bone Adhesives Facilitating Cell Ingrowth for Fracture Healing. Advanced Materials, 2020, 32, e1907491.	21.0	54
23	Conformational Transitions of Dynamic Polymer Chains Induced by Colloidal Particles in Dilute Solution. Macromolecules, 2020, 53, 3052-3058.	4.8	4
24	Exogels: A Solvent-Exchange Strategy to Regulate Noncovalent Interactions for Strong and Antiswelling Hydrogels (Adv. Mater. 52/2020). Advanced Materials, 2020, 32, 2070395.	21.0	4
25	An Injectable Strong Hydrogel for Bone Reconstruction. Advanced Healthcare Materials, 2019, 8, e1900709.	7.6	65
26	Response-Retaliatio Behavior in Synthetic Protocell Communities. Angewandte Chemie - International Edition, 2019, 58, 17758-17763.	13.8	47
27	Conjoined-network rendered stiff and tough hydrogels from biogenic molecules. Science Advances, 2019, 5, eaau3442.	10.3	144
28	Biominingalizing Dental Resin Empowered by Bioactive Amphiphilic Composite Nanoparticles. ACS Applied Bio Materials, 2019, 2, 1660-1666.	4.6	6
29	Ultra-tough injectable cytocompatible hydrogel for 3D cell culture and cartilage repair. Journal of Materials Chemistry B, 2018, 6, 1351-1358.	5.8	49
30	Self-Collapsing of Single Molecular Poly-Propylene Oxide (PPO) in a 3D DNA Network. Small, 2018, 14, 1703426.	10.0	17
31	Porous Particle-Reinforced Bioactive Gelatin Scaffold for Large Segmental Bone Defect Repairing. ACS Applied Materials & Interfaces, 2018, 10, 6956-6964.	8.0	53
32	Kinetics of Polymer Desorption from Colloids Probed by Aggregation-Induced Emission Fluorophore. Langmuir, 2018, 34, 7006-7010.	3.5	2
33	Amphiphilic Bioactive Filler for Acrylic Bone Cement to Enhance Its Cell Adhesion. Journal of Biomedical Nanotechnology, 2018, 14, 795-801.	1.1	6
34	Mass spectrometry-based metabolomics and chemometric analysis of Pu-erh teas of various origins. Food Chemistry, 2018, 268, 271-278.	8.2	60
35	Synthesis of nanosized 58S bioactive glass particles by a three-dimensional ordered macroporous carbon template. Materials Science and Engineering C, 2017, 75, 590-595.	7.3	28
36	Injectable tissue adhesive composite hydrogel with fibroblasts for treating skin defects. Journal of Materials Chemistry B, 2017, 5, 2416-2424.	5.8	43

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37	An easy-to-use wound dressing gelatin-bioactive nanoparticle gel and its preliminary in vivo study. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 10.	3.6	22
38	Novel bioactive glass based injectable bone cement with improved osteoinductivity and its in vivo evaluation. <i>Scientific Reports</i> , 2017, 7, 3622.	3.3	43
39	Construction of Injectable Double-Network Hydrogels for Cell Delivery. <i>Biomacromolecules</i> , 2017, 18, 2128-2138.	5.4	62
40	Effect of Polyvinyl Alcohol on Ice Formation in the Presence of a Liquid/Solid Interface. <i>Langmuir</i> , 2017, 33, 191-196.	3.5	12
41	In vivo study of a bioactive nanoparticle-gelatin composite scaffold for bone defect repair in rabbits. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 181.	3.6	10
42	In vitro evaluation of a novel pH neutral calcium phosphosilicate bioactive glass that does not require preconditioning prior to use. <i>International Journal of Applied Glass Science</i> , 2017, 8, 403-411.	2.0	16
43	Regeneration of dental pulp complex-like tissue using phytic acid derived bioactive glasses. <i>RSC Advances</i> , 2017, 7, 22063-22070.	3.6	22
44	Detailed structure of a new bioactive glass composition for the design of bone repair materials. <i>Journal of Non-Crystalline Solids</i> , 2017, 475, 10-14.	3.1	9
45	Sonication-Aided Formation of Hollow Hybrid Nanoparticles as High-Efficiency Absorbents for Dissolved Toluene in Water. <i>Chemistry - an Asian Journal</i> , 2016, 11, 280-284.	3.3	3
46	Effect of particle/polymer number ratio on the structure and dynamics of complex between large polymer and nanoparticle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 507, 67-75.	4.7	4
47	Structure and interaction of adsorbing symmetrical triblock polyampholyte solution between two planes. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 195-208.	3.8	1
48	House-of-cards structures in silicone rubber composites for superb anti-collapsing performance at medium high temperature. <i>RSC Advances</i> , 2016, 6, 7970-7976.	3.6	21
49	Optimizing the interaction between poly(vinyl alcohol) and sandy soil for enhanced water retention performance. <i>RSC Advances</i> , 2016, 6, 13377-13383.	3.6	17
50	Characterizing the Adsorption of Poly(vinyl alcohol) on Colloidal Silica with Aggregation-Induced Emission Fluorophore. <i>Langmuir</i> , 2016, 32, 2145-2150.	3.5	6
51	Preparation of Sheet-like Polymer-Encapsulated Composite Particles by Seeded Polymerization from Sub-micrometer Sheets. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1581-1585.	3.3	0
52	Reinforcement of silicone rubber with raspberry-like SiO_2 @Polymer composite particles. <i>Polymer International</i> , 2015, 64, 992-998.	3.1	17
53	A self-consistent field study on the adsorption of symmetrical triblock copolymers between two parallel planes. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 1691-1701.	3.8	2
54	Effect of Peptide Charge Distribution on the Structure and Kinetics of DNA Complex. <i>Macromolecules</i> , 2015, 48, 756-763.	4.8	11

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55	A Novel Composite PMMA-based Bone Cement with Reduced Potential for Thermal Necrosis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11280-11285.	8.0	45
56	A hierarchical rippled and crumpled PLA microstructure generated through double emulsion: the interesting roles of Pickering nanoparticles. <i>Chemical Communications</i> , 2015, 51, 16251-16254.	4.1	10
57	Particle shape dependence of rheological behavior for colloid-polymer mixtures. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 1515-1523.	3.8	5
58	One-Pot Synthesis of Regular Rhombic Titanium Dioxide Supracolloidal Submicrometer Sheet via Solâ€“Gel Method. <i>Langmuir</i> , 2014, 30, 35-40.	3.5	9
59	Small-Angle Neutron Scattering Study of Cyclic Poly(ethylene glycol) Adsorption on Colloidal Particles. <i>Langmuir</i> , 2014, 30, 5170-5175.	3.5	11
60	Effect of particle polydispersity on the structure and dynamics of complex formation between small particles and large polymer. <i>RSC Advances</i> , 2014, 4, 14896.	3.6	6
61	Bioactive Nanoparticleâ€“Gelatin Composite Scaffold with Mechanical Performance Comparable to Cancellous Bones. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13061-13068.	8.0	64
62	Hollow Microsphere with Mesoporous Shell by Pickering Emulsion Polymerization as a Potential Colloidal Collector for Organic Contaminants in Water. <i>Langmuir</i> , 2014, 30, 3681-3686.	3.5	35
63	Fabrication of Large-Sized Two-Dimensional Ordered Surface Array with Well-Controlled Structure via Colloidal Particle Lithography. <i>Langmuir</i> , 2014, 30, 7024-7029.	3.5	11
64	Gas-Flow-Induced Reorientation to Centimeter-Sized Two-Dimensional Colloidal Single Crystal of Polystyrene Particle. <i>Langmuir</i> , 2014, 30, 3019-3023.	3.5	49
65	Enhance the mechanical performance of polyacrylamide hydrogel by aluminium-modified colloidal silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 447, 103-110.	4.7	29
66	Bioactive Nanoparticle through Postmodification of Colloidal Silica. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4935-4939.	8.0	31
67	Convenient construction of poly(3,4-ethylenedioxythiophene)â€“graphene pie-like structure with enhanced thermoelectric performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12395.	10.3	242
68	Mitigation of metal-mediated losses by coating Au nanoparticles with dielectric layer in plasmonic solar cells. <i>RSC Advances</i> , 2013, 3, 16080.	3.6	21
69	Coreâ€“shell plasmonic nanostructures to fine-tune longâ€“Au nanoparticle-fluorophore" distance and radiative dynamics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 421, 101-108.	4.7	27
70	A low-temperature solâ€“gel route for the synthesis of bioactive calcium silicates. <i>Chinese Chemical Letters</i> , 2013, 24, 170-172.	9.0	16
71	Facile Preparation Route toward Speckled Colloids via Seeded Polymerization. <i>Langmuir</i> , 2013, 29, 2152-2158.	3.5	15
72	Disorder-tuned charge transport in organic semiconductors. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	13

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73	Robust Anisotropic Composite Particles with Tunable Janus Balance. <i>Macromolecules</i> , 2012, 45, 5176-5184.	4.8	73
74	Maximizing the Relaxivity of Gd-Complex by Synergistic Effect of HSA and Carboxylfullerene. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3724-3729.	8.0	33
75	Responsive Behaviors of Diblock Polyampholyte Brushes within Self-Consistent Field Theory. <i>Journal of Physical Chemistry B</i> , 2012, 116, 743-750.	2.6	23
76	Fabrication of a Composite Colloidal Particle with Unusual Janus Structure as a High-Performance Solid Emulsifier. <i>Langmuir</i> , 2012, 28, 12472-12478.	3.5	28
77	Structures and interactions between two colloidal particles in adsorptive polymer solutions. <i>Polymer</i> , 2012, 53, 3409-3415.	3.8	6
78	Janus polymeric cages. <i>Polymer</i> , 2012, 53, 3712-3718.	3.8	18
79	Progress of three-dimensional macroporous bioactive glass for bone regeneration. <i>Frontiers of Chemical Science and Engineering</i> , 2012, 6, 470-483.	4.4	7
80	Janus Nanosheets of Polymer-Inorganic Layered Composites. <i>Macromolecules</i> , 2012, 45, 1460-1467.	4.8	86
81	Organic Thermoelectric Materials and Devices Based on PbTe and Bi_2Te_3 Type Poly(metal) Nanowires. <i>ACS Nano</i> , 2011, 5, 210-214.	10.7	448
82	Palladium-Catalyzed Cycloisomerizations of α -Iodo-1,6-dienes: Iodine Atom Transfer and Mechanistic Insight to Alkyl Iodide Reductive Elimination. <i>Journal of the American Chemical Society</i> , 2011, 133, 6187-6193.	13.7	163
83	One-Pot Synthesis of Highly Folded Microparticles by Suspension Polymerization. <i>Langmuir</i> , 2011, 27, 12771-12774.	3.5	29
84	Phytic acid derived bioactive $\text{CaO-P}_2\text{O}_5\text{-SiO}_2$ gel-glasses. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 2685-2691.	3.6	27
85	A small-angle neutron scattering study of poly(ethylene oxide) microstructure in aqueous poly(styrenesulfonate sodium) solutions. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 226-229.	9.4	5
86	Optically switchable organic hollow nanocapsules. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 155-161.	9.4	17
87	A comparative study of the structure of sodium borophosphates made by sol-gel and melt-quench methods. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 490-494.	3.1	11
88	Probing the calcium and sodium local environment in bones and teeth using multinuclear solid state NMR and X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1081-1091.	2.8	70
89	A small-angle neutron scattering and rheology study of the composite of chitosan and gelatin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 70, 254-258.	5.0	34
90	Poly(ethylene oxide) Adsorption on Polystyrene Latex Particles in the Presence of Poly(styrenesulfonate sodium). <i>Macromolecules</i> , 2009, 42, 547-552.	4.8	13

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91	Formation of functional phosphosilicate gels from phytic acid and tetraethyl orthosilicate. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 48, 378-383.	2.4	21
92	A high-energy X-ray diffraction, ³¹ P and ¹¹ B solid-state NMR study of the structure of aged sodium borophosphate glasses. <i>Materials Chemistry and Physics</i> , 2008, 111, 455-462.	4.0	39
93	The effect of composition on the structure of sodium borophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3671-3677.	3.1	87
94	An X-ray absorption spectroscopy study of the local environment of iron in degradable iron-phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5542-5546.	3.1	9
95	A Small-Angle Neutron Scattering Study of Adsorbed Polymer Structure in Concentrated Colloidal Dispersions. <i>Langmuir</i> , 2008, 24, 2983-2986.	3.5	31
96	Influence of a Surfactant and Electrolytes on Adsorbed Polymer Layers. <i>Langmuir</i> , 2007, 23, 2408-2413.	3.5	25
97	Steric Interactions between Physically Adsorbed Polymer-Coated Colloidal Particles: Soft or Hard?. <i>Langmuir</i> , 2007, 23, 475-481.	3.5	24
98	Small-Angle Neutron Scattering Study of Concentrated Colloidal Dispersions: The Electrostatic/Steric Composite Interactions between Colloidal Particles. <i>Langmuir</i> , 2006, 22, 6060-6067.	3.5	15
99	A Small-Angle X-ray Scattering Study of the Interactions in Concentrated Silica Colloidal Dispersions. <i>Langmuir</i> , 2006, 22, 546-552.	3.5	24
100	Narrowly Distributed Surfactant-Free Polystyrene Latex with a Water-Soluble Comonomer. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 2233-2238.	2.2	16
101	Small-Angle Neutron Scattering Study of Concentrated Colloidal Dispersions: The Interparticle Interactions between Sterically Stabilized Particles. <i>Langmuir</i> , 2005, 21, 9964-9969.	3.5	27
102	Waterborne Dispersions of a Polymer-Encapsulated Inorganic Particle Nanocomposite by Phase-Inversion Emulsification. <i>Macromolecular Rapid Communications</i> , 2002, 23, 479.	3.9	34
103	Sub-Micron-Sized Waterborne Particles of Crosslinked Epoxy Resin Prepared by Phase-Inversion Emulsification. <i>Macromolecular Rapid Communications</i> , 2001, 22, 792-796.	3.9	7
104	Scalable Synthesis of Photoluminescent Single-Chain Nanoparticles by Electrostatic-Mediated Intramolecular Crosslinking. <i>Angewandte Chemie</i> , 0, , .	2.0	1