

Qiaohong Peng

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

3,605
citations

147726

31
h-index

175177

52
g-index

116
all docs

116
docs citations

116
times ranked

3555
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, surface functionalization and application of Fe ₃ O ₄ magnetic nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2020, 281, 102165.	7.0	332
2	Enhanced tumour penetration and prolonged circulation in blood of polyzwitterion drug conjugates with cell-membrane affinity. <i>Nature Biomedical Engineering</i> , 2021, 5, 1019-1037.	11.6	148
3	NIR-II bioimaging of small organic molecule. <i>Biomaterials</i> , 2021, 271, 120717.	5.7	132
4	Simultaneous adsorption of heavy metals and organic dyes by β -Cyclodextrin-Chitosan based cross-linked adsorbent. <i>Carbohydrate Polymers</i> , 2021, 255, 117486.	5.1	130
5	Application and design of esterase-responsive nanoparticles for cancer therapy. <i>Drug Delivery</i> , 2019, 26, 416-432.	2.5	117
6	Recent advances on protein separation and purification methods. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102254.	7.0	98
7	Efficient photocatalytic degradation of toxic Alizarin yellow R dye from industrial wastewater using biosynthesized Fe nanoparticle and study of factors affecting the degradation rate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 202, 111682.	1.7	82
8	Recent Progress in Fluorescence Imaging of the Near-Infrared-II Window. <i>ChemBioChem</i> , 2018, 19, 2522-2541.	1.3	71
9	Recent advances in drug delivery systems for enhancing drug penetration into tumors. <i>Drug Delivery</i> , 2020, 27, 1474-1490.	2.5	71
10	Stimuli Responsive Nanoparticles for Controlled Anti-cancer Drug Release. <i>Current Medicinal Chemistry</i> , 2018, 25, 1837-1866.	1.2	64
11	The Intracellular and Extracellular Microenvironment of Tumor Site: The Trigger of Stimuli-Responsive Drug Delivery Systems. <i>Small Methods</i> , 2022, 6, e2101437.	4.6	63
12	Recent Advances of Low Biological Toxicity Ag ₂ S QDs for Biomedical Application. <i>Advanced Engineering Materials</i> , 2018, 20, 1700940.	1.6	61
13	Investigation of rare earth upconversion fluorescent nanoparticles in biomedical field. <i>Nanotechnology Reviews</i> , 2019, 8, 1-17.	2.6	61
14	Logical design and application of prodrug platforms. <i>Polymer Chemistry</i> , 2019, 10, 306-324.	1.9	58
15	Environmentally friendly fabrication of new β -Cyclodextrin/ZrO ₂ nanocomposite for simultaneous removal of Pb(II) and BPA from water. <i>Science of the Total Environment</i> , 2021, 784, 147207.	3.9	57
16	Carbon nanotube/carbon fiber electrodes via chemical vapor deposition for simultaneous determination of ascorbic acid, dopamine and uric acid. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3266-3275.	2.3	54
17	Controlled synthesis of Fe ₃ O ₄ @ZIF-8 nanoparticles for drug delivery. <i>CrystEngComm</i> , 2018, 20, 7486-7491.	1.3	51
18	Current status and future developments in preparation and application of nonspherical polymer particles. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 126-151.	7.0	50

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19	Liposomes modified with bio-substances for cancer treatment. <i>Biomaterials Science</i> , 2020, 8, 6442-6468.	2.6	48
20	Poly-tetrahydropyrimidine Antibacterial Hydrogel with Injectability and Self-Healing Ability for Curing the Purulent Subcutaneous Infection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50236-50247.	4.0	48
21	A degradable triple temperature, pH, and redox-responsive drug system for cancer chemotherapy. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3203-3210.	2.1	46
22	Tuning the Brightness and Photostability of Organic Dots for Multivalent Targeted Cancer Imaging and Surgery. <i>ACS Nano</i> , 2020, 14, 5887-5900.	7.3	46
23	An overview of chitosan and its application in infectious diseases. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1340-1351.	3.0	45
24	Emerging Advanced Nanomaterials for Cancer Photothermal Therapy. <i>Reviews on Advanced Materials Science</i> , 2018, 53, 131-146.	1.4	40
25	Recent advantage of hyaluronic acid for anti-cancer application: a review of a transition approach. <i>Carbohydrate Polymers</i> , 2020, 238, 116204.	5.1	40
26	Alkylthienyl substituted asymmetric 2D BDT and DTBT-based polymer solar cells with a power conversion efficiency of 9.2%. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2371-2378.	2.9	38
27	Advanced Modified Polyacrylonitrile Membrane with Enhanced Adsorption Property for Heavy Metal Ions. <i>Scientific Reports</i> , 2018, 8, 1260.	1.6	36
28	ZnO Quantum Dots Modified by pH-Activated Charge-Reversal Polymer for Tumor Targeted Drug Delivery. <i>Polymers</i> , 2018, 10, 1272.	2.0	36
29	Wound Microenvironment-Responsive Protein Hydrogel Drug-Loaded System with Accelerating Healing and Antibacterial Property. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10187-10199.	4.0	36
30	Self-assembled covalent capillary coating of diazoresin/carboxyl fullerene for analysis of proteins by capillary electrophoresis and a comparison with diazoresin/graphene oxide coating. <i>Journal of Chromatography A</i> , 2016, 1437, 226-233.	1.8	34
31	Green synthesis of Ag@CdO nanocomposite and their application towards brilliant green dye degradation from wastewater. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 329-341.	5.3	34
32	Conjugated Polymer-Based Nanoparticles with Efficient NIR Fluorescent, Photoacoustic and Photothermal Performance. <i>ChemBioChem</i> , 2019, 20, 2793-2799.	1.3	33
33	Preparation of monodisperse porous polymeric ionic liquid microspheres and their application as stationary phases for HPLC. <i>Talanta</i> , 2020, 208, 120462.	2.9	33
34	Facile Approach to Preparing a Vanadium Oxide Hydrate Layer as a Hole-Transport Layer for High-Performance Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18087-18094.	4.0	32
35	Ho ₂ O@C ₇₄ : Ho ₂ O Cluster Expands within a Small Non-IPR Fullerene Cage of C ₇₄ (13333)-C ₇₄ . <i>Inorganic Chemistry</i> , 2019, 58, 4774-4781.	1.9	32

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37	Preparation of porous sulfonated poly(styrene-divinylbenzene) microspheres and its application in hydrophilic and chiral separation. <i>Talanta</i> , 2020, 210, 120586.	2.9	32
38	Synthesis of monodisperse poly(styrene-co-divinylbenzene) microspheres with binary porous structures and application in high-performance liquid chromatography. <i>Journal of Materials Science</i> , 2016, 51, 5240-5251.	1.7	31
39	Light-assisted preparation of vancomycin chiral stationary phase based on diazotized silica and its enantioseparation evaluation by high-performance liquid chromatography. <i>Talanta</i> , 2018, 182, 171-177.	2.9	30
40	Using ZIF-8 as stationary phase for capillary electrophoresis separation of proteins. <i>Talanta</i> , 2018, 188, 493-498.	2.9	29
41	Organic Semiconductors for Photothermal Therapy and Photoacoustic Imaging. <i>ChemBioChem</i> , 2019, 20, 1628-1636.	1.3	29
42	Synthesis of polyacrylonitrile/polytetrahydropyrimidine (PAN/PTHP) nanofibers with enhanced antibacterial and anti-viral activities for personal protective equipment. <i>Journal of Hazardous Materials</i> , 2022, 424, 127602.	6.5	29
43	Fabrication of highly ordered porous membranes of cellulose triacetate on ice substrates using breath figure method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 552-558.	2.4	28
44	Self-assembled and covalently linked capillary coating of diazoresin and cyclodextrin-derived dendrimer for analysis of proteins by capillary electrophoresis. <i>Talanta</i> , 2016, 152, 76-81.	2.9	28
45	Preparation of highly permeable BPPO microfiltration membrane with binary porous structures on a colloidal crystal substrate by the breath figure method. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 232-238.	5.0	28
46	Preparation of monodisperse cross-linked poly(glycidyl methacrylate)@Fe ₃ O ₄ @diazoresin magnetic microspheres with dye removal property. <i>Journal of Materials Science</i> , 2018, 53, 6471-6481.	1.7	28
47	Preparation and biomedical application of injectable hydrogels. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4912-4936.	3.2	28
48	Photosensitive polystyrene/silver bromide hybrid colloidal crystals as recoverable colorimetric naked eye probes for bromine gas sensing. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1386-1391.	2.7	27
49	Co-delivery of chemotherapeutic drugs and cell cycle regulatory agents using nanocarriers for cancer therapy. <i>Science China Materials</i> , 2021, 64, 1827-1848.	3.5	27
50	Preparation and evaluation of PAMAM dendrimer-based polymer gels physically cross-linked by hydrogen bonding. <i>Biomaterials Science</i> , 2019, 7, 3918-3925.	2.6	26
51	Advanced Carbon-based Nanoplatforms Combining Drug Delivery and Thermal Therapy for Cancer Treatment. <i>Current Pharmaceutical Design</i> , 2019, 24, 4060-4076.	0.9	25
52	Multifunctional PMMA@Fe ₃ O ₄ @DR Magnetic Materials for Efficient Adsorption of Dyes. <i>Materials</i> , 2017, 10, 1239.	1.3	24
53	A review of the design of packing materials for ion chromatography. <i>Journal of Chromatography A</i> , 2021, 1653, 462313.	1.8	24
54	A modular ROS-responsive platform co-delivered by 10-hydroxycamptothecin and dexamethasone for cancer treatment. <i>Journal of Controlled Release</i> , 2021, 340, 102-113.	4.8	24

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55	Synthesis and modification of monodisperse silica microspheres for UPLC separation of C ₆₀ and C ₇₀ . Analytical Methods, 2016, 8, 919-924.	1.3	23
56	Preparation of Porous Poly(Styrene-Divinylbenzene) Microspheres and Their Modification with Diazo resin for Mix-Mode HPLC Separations. Materials, 2017, 10, 440.	1.3	23
57	Recent advances in synthesis and application of organic near-infrared fluorescence polymers. Journal of Materials Science, 2020, 55, 9918-9947.	1.7	23
58	Recent Advances in the Rational Drug Design Based on Multi-target Ligands. Current Medicinal Chemistry, 2020, 27, 4720-4740.	1.2	23
59	Preparation of polymeric Janus microparticles with hierarchically porous structure and enhanced anisotropy. Journal of Colloid and Interface Science, 2018, 522, 144-150.	5.0	22
60	Dynamic Covalent C-C Bond, Cross-Linked, Injectable, and Self-Healable Hydrogels via Knoevenagel Condensation. Biomacromolecules, 2020, 21, 1234-1242.	2.6	22
61	Recent advances in ruthenium and platinum based supramolecular coordination complexes for antitumor therapy. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110373.	2.5	21
62	Bioinspired nanochannels based on polymeric membranes. Science China Materials, 2021, 64, 1320-1342.	3.5	21
63	Light-assisted preparation of a cyclodextrin-based chiral stationary phase and its separation performance in liquid chromatography. New Journal of Chemistry, 2018, 42, 1115-1120.	1.4	20
64	A design strategy for A conjugated polymers for NIR-II fluorescence imaging. Polymer Chemistry, 2021, 12, 4707-4713.	1.9	20
65	Recent research progress in the construction of active free radical nanoreactors and their applications in photodynamic therapy. Biomaterials Science, 2021, 9, 2384-2412.	2.6	20
66	Synthesis and Biomedical Applications of Dendrimers. Current Organic Chemistry, 2018, 22, 600-612.	0.9	20
67	Microporous poly(glycidyl methacrylate-co-ethylene glycol dimethyl acrylate) microspheres: synthesis, functionalization and applications. Polymer Chemistry, 2021, 12, 6050-6070.	1.9	19
68	A smart thermo- and pH-responsive microfiltration membrane based on three-dimensional inverse colloidal crystals. Scientific Reports, 2017, 7, 12112.	1.6	18
69	Preparation of Hierarchical Highly Ordered Porous Films of Brominated Poly(phenylene oxide) and Hydrophilic SiO ₂ /C Membrane via the Breath Figure Method. Materials, 2018, 11, 481.	1.3	18
70	Synthesis, self-assembly and drug release behaviors of a bottlebrush polymer-HCPT prodrug for tumor chemotherapy. Colloids and Surfaces B: Biointerfaces, 2019, 181, 278-284.	2.5	18
71	Injectable Schiff base polysaccharide hydrogels for intraocular drug loading and release. Journal of Biomedical Materials Research - Part A, 2019, 107, 1909-1916.	2.1	17
72	The Effect of Different Porogens on Porous PMMA Microspheres by Seed Swelling Polymerization and Its Application in High-Performance Liquid Chromatography. Materials, 2018, 11, 705.	1.3	16

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73	Preparation and application of PGMA-DVB microspheres via surface-modification with quaternary and phenylboronic acid moiety. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110807.	2.5	16
74	Development and application of ultrasound contrast agents in biomedicine. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7633-7661.	2.9	16
75	Preparation of Pyridine Polyionic Liquid Porous Microspheres and Their Application in Organic Dye Adsorption. <i>Journal of Polymers and the Environment</i> , 2022, 30, 385-400.	2.4	16
76	A smart temperature and magnetic-responsive gating carbon nanotube membrane for ion and protein transportation. <i>Scientific Reports</i> , 2016, 6, 32130.	1.6	15
77	Diazo resin modified monodisperse porous poly(glycidylmethacrylate-co-divinylbenzene) microspheres as the stationary phase for high performance liquid chromatography. <i>New Journal of Chemistry</i> , 2017, 41, 4637-4643.	1.4	15
78	Ho ₂ O@C ₈₄ : Crystallographic Evidence Showing Linear Metallic Oxide Cluster Encapsulated in IPR Fullerene Cage of <i>D₂d</i> (51591)-C ₈₄ . <i>Inorganic Chemistry</i> , 2019, 58, 10905-10911.	1.9	15
79	Chitosan composite hydrogels cross-linked by multifunctional diazo resin as antibacterial dressings for improved wound healing. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1890-1898.	2.1	15
80	Synthesis of anisotropic TiO ₂ hollow microspheres using cave particles as templates and application in water treatment. <i>New Journal of Chemistry</i> , 2014, 38, 2564.	1.4	13
81	Preparation of Humidity-Sensitive Poly(Ethylene Glycol) Inverse Opal Micropatterns Using Colloidal Lithography. <i>Materials</i> , 2017, 10, 1035.	1.3	13
82	Recent research progress of biologically active peptides. <i>BioFactors</i> , 2022, 48, 575-596.	2.6	13
83	Fabrication of PEGylated Bi ₂ S ₃ Nanosheets As a Multifunctional Platform for Multimodal Diagnosis and Combination Therapy for Cancer. <i>ACS Applied Bio Materials</i> , 2019, 2, 3870-3876.	2.3	12
84	Preparation of photosensitive diazotized poly (vinyl alcohol-b-styrene) covalent capillary coatings for capillary electrophoresis separation of proteins. <i>Journal of Chromatography A</i> , 2019, 1593, 174-182.	1.8	12
85	Novel antifouling polymer with self-cleaning efficiency as surface coating for protein analysis by electrophoresis. <i>Talanta</i> , 2021, 221, 121493.	2.9	12
86	Recent advances in detection technologies for COVID-19. <i>Talanta</i> , 2021, 233, 122609.	2.9	12
87	Fabrication of anisotropic silica hollow microspheres using polymeric protrusion particles as templates. <i>Colloid and Polymer Science</i> , 2014, 292, 2361-2367.	1.0	11
88	Efficient Inverted Organic Solar Cells Based on a Fullerene Derivative-Modified Transparent Cathode. <i>Materials</i> , 2017, 10, 1064.	1.3	11
89	Synthesis of conductive magnetic nickel microspheres and their applications in anisotropic conductive film and water treatment. <i>RSC Advances</i> , 2015, 5, 77860-77865.	1.7	10
90	Photosensitive diazotized poly(ethylene glycol) covalent capillary coatings for analysis of proteins by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6781-6788.	1.9	10

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91	Preparation of crosslinked porous polyurea microspheres in one-step precipitation polymerization and its application for water treatment. <i>RSC Advances</i> , 2016, 6, 111806-111811.	1.7	9
92	A covalent capillary coating of diazoresin and polyglycerol dendrimer for protein analysis using capillary electrophoresis. <i>Electrophoresis</i> , 2017, 38, 3104-3110.	1.3	8
93	Preparation, application and development of poly(ionic liquid) microspheres. <i>Journal of Molecular Liquids</i> , 2022, 362, 119706.	2.3	8
94	Synthesis of Fe ₃ O ₄ -NPs/SiO ₂ core-shell hollow microspheres and application in water treatment. <i>Colloid and Polymer Science</i> , 2015, 293, 985-991.	1.0	7
95	Inverse colloidal crystal membranes for hydrophobic interaction membrane chromatography. <i>Journal of Separation Science</i> , 2015, 38, 2819-2825.	1.3	7
96	Construction of Dimeric Drug-Loaded Polymeric Micelles with High Loading Efficiency for Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1961.	1.8	7
97	Synthesis of poly-tetrahydropyrimidine antibacterial polymers and research of their basic properties. <i>Biomaterials Science</i> , 2022, 10, 1026-1040.	2.6	7
98	Synthesis of monodisperse silica microspheres and modification with diazoresin for mixed-mode ultra high performance liquid chromatography separations. <i>Journal of Separation Science</i> , 2017, 40, 4320-4328.	1.3	6
99	A site-oriented nanosystem for active transcellular chemo-immunotherapy to prevent tumor growth and metastasis. <i>Science China Materials</i> , 2022, 65, 1391-1402.	3.5	6
100	Solar light-driven photocatalytic production of hypochlorous acid over Pt/WO ₃ in seawater for marine antifouling. <i>Research on Chemical Intermediates</i> , 2022, 48, 29-47.	1.3	6
101	Semiconductor small molecule IHC/ITIC applied to photothermal therapy and photoacoustic imaging of tumors. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 221, 112257.	1.7	5
102	Preparation of three-dimensional ordered macroporous C ₆₀ and its application in electrochemical sensors. <i>RSC Advances</i> , 2016, 6, 106096-106101.	1.7	4
103	Thermally Responsive Anti-Protein Adsorption Coated Capillary for Electrophoretic Analysis of Proteins. <i>ChemistrySelect</i> , 2020, 5, 11854-11861.	0.7	4
104	Preparation and anti-tumor application of hyaluronic acid-based material for disulfide and copper ions co-delivery. <i>Science China Technological Sciences</i> , 2021, 64, 2023-2032.	2.0	4
105	Dual Modification of Carbon Support Enables Robust Anchoring of Ruthenium Nanoclusters for Efficient Hydrogen Evolution and Aromatic Nitroreduction. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101564.	1.9	4
106	Preparation and application of urea-based derivatized β -cyclodextrin chiral stationary phase based on diazotized silica microspheres. <i>Journal of Chromatography A</i> , 2022, 1669, 462932.	1.8	4
107	Application of peptide biomarkers in life analysis based on liquid chromatography-mass spectrometry technology. <i>BioFactors</i> , 2022, 48, 725-743.	2.6	3
108	Mild polyaddition and polyalkylation based on the carbon-carbon bond formation reaction of active methylene. <i>RSC Advances</i> , 2019, 9, 40455-40461.	1.7	2

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109	A novel $M^{2+}Ga^{2+}GeO_7:N^{3+}$ ($M=Ca, Ba, Sr$; $N=Cr, Nd, Er$) sub-micron phosphor with multiband NIR emissions: preparation, structure, properties, and LEDs. <i>Nanotechnology</i> , 2021, 32, 395703.	1.3	2
110	Design of crown ether based micelles and their anti-tumor properties by perturbing potassium ion homeostasis. <i>Materials and Design</i> , 2021, 211, 110159.	3.3	2
111	Recent Developments in Fullerene-containing Thermotropic Liquid Crystals. <i>Current Organic Chemistry</i> , 2017, 21, .	0.9	2
112	The surface property of PTFE and PVDF liquid marbles. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	2
113	Synthesis and application of cotton-based chelate fibers grafted with poly(1-vinyl-2,4-triazole) side chains. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	1
114	Novel triple responsive polybenzimidazole synthesized <i>via</i> amine-ene Michael addition. <i>New Journal of Chemistry</i> , 2018, 42, 11396-11403.	1.4	1
115	Current Status and Future Developments in Synthetic Peptides. <i>Current Organic Chemistry</i> , 2018, 22, 1951-1958.	0.9	0