Bing Yu

List of Publications by Year in descending order

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Version: 2024-02-01

130	3,378 citations	29	51
papers		h-index	g-index
131	131	131	3412
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Synthesis of polyacrylonitrile/polytetrahydropyrimidine (PAN/PTHP) nanofibers with enhanced antibacterial and anti-viral activities for personal protective equipment. Journal of Hazardous Materials, 2022, 424, 127602.	6.5	29
2	Synthesis of poly-tetrahydropyrimidine antibacterial polymers and research of their basic properties. Biomaterials Science, 2022, 10, 1026-1040.	2.6	7
3	Recent research progress of biologically active peptides. BioFactors, 2022, 48, 575-596.	2.6	13
4	Mn-dox metal-organic nanoparticles for cancer therapy and magnetic resonance imaging. Dyes and Pigments, 2022, 199, 110080.	2.0	7
5	Wound Microenvironment-Responsive Protein Hydrogel Drug-Loaded System with Accelerating Healing and Antibacterial Property. ACS Applied Materials & Samp; Interfaces, 2022, 14, 10187-10199.	4.0	36
6	Preparation and application of urea-based derivatized \hat{l}^2 -cyclodextrin chiral stationary phase based on diazotized silica microspheres. Journal of Chromatography A, 2022, 1669, 462932.	1.8	4
7	Effective strategy for polymer synthesis: multicomponent reactions and click polymerization. Materials Today Chemistry, 2022, 25, 100948.	1.7	15
8	Preparation, application and development of poly(ionic liquid) microspheres. Journal of Molecular Liquids, 2022, 362, 119706.	2.3	8
9	Novel antifouling polymer with self-cleaning efficiency as surface coating for protein analysis by electrophoresis. Talanta, 2021, 221, 121493.	2.9	12
10	Application of multifunctional BODIPY in photodynamic therapy. Dyes and Pigments, 2021, 185, 108937.	2.0	79
11	Analysis of proteins and chiral drugs based on vancomycin covalent capillary electrophoretic coating. Analyst, The, 2021, 146, 1320-1325.	1.7	13
12	A design strategy for D–A conjugated polymers for NIR-II fluorescence imaging. Polymer Chemistry, 2021, 12, 4707-4713.	1.9	20
13	Preparation and biomedical application of injectable hydrogels. Materials Chemistry Frontiers, 2021, 5, 4912-4936.	3.2	28
14	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
15	Development and application of ultrasound contrast agents in biomedicine. Journal of Materials Chemistry B, 2021, 9, 7633-7661.	2.9	16
16	Diazo Resin and Acidified Carbon Nanotube Modified Polyacrylonitrile Hollow Fiber Membrane. Integrated Ferroelectrics, 2021, 215, 195-202.	0.3	0
17	Synthesis and Photothermal Application of D-A-D Conjugated Small Molecular Nanoparticles. Integrated Ferroelectrics, 2021, 215, 47-52.	0.3	3
18	Research status and development trend of three-dimensional colloidal crystals. Journal of Industrial and Engineering Chemistry, 2021, 96, 34-58.	2.9	19

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19	NIR-II bioimaging of small organic molecule. Biomaterials, 2021, 271, 120717.	5.7	132
20	Co-delivery of chemotherapeutic drugs and cell cycle regulatory agents using nanocarriers for cancer therapy. Science China Materials, 2021, 64, 1827-1848.	3.5	27
21	A novel M ₂ Ga ₂ GeO ₇ :N ³⁺ (MÂ=ÂCa, Ba, Sr; NÂ=ÂCr, Nd, Er) sub-micron phosphor with multiband NIR emissions: preparation, structure, properties, and LEDs. Nanotechnology, 2021, 32, 395703.	1.3	2
22	Synthesis and enantioseparation characteristics of a novel î²-cyclodextrin chiral stationary phase based on diazotized silica in HPLC. Ferroelectrics, 2021, 579, 199-208.	0.3	0
23	Facile synthesis of Zr4+ substituted Mn0.2Co0.8Fe2â^2xO4 nanoparticles and their composites with reduced graphene oxide for enhanced photocatalytic performance under visible light irradiation. Synthetic Metals, 2021, 277, 116766.	2.1	25
24	Synthesis of MoS2 nanosheets drug delivery system and its drug release behaviors. Ferroelectrics, 2021, 578, 31-39.	0.3	3
25	pH-responsive dendrimer-functionalized cotton cellulose nanocrystals for effective cancer treatment. Ferroelectrics, 2021, 578, 108-112.	0.3	2
26	Yolk-shell Fe3O4@MOF-5 nanocomposites as a heterogeneous Fenton-like catalyst for organic dye removal. Separation and Purification Technology, 2021, 267, 118620.	3.9	73
27	Preparation and anti-tumor application of hyaluronic acid-based material for disulfide and copper ions co-delivery. Science China Technological Sciences, 2021, 64, 2023-2032.	2.0	4
28	A review of the design of packing materials for ion chromatography. Journal of Chromatography A, 2021, 1653, 462313.	1.8	24
29	Recent advances in detection technologies for COVID-19. Talanta, 2021, 233, 122609.	2.9	12
30	Antibacterial material surfaces/interfaces for biomedical applications. Applied Materials Today, 2021, 25, 101192.	2.3	26
31	Microporous poly(glycidyl methacrylate- <i>co</i> ethylene glycol dimethyl acrylate) microspheres: synthesis, functionalization and applications. Polymer Chemistry, 2021, 12, 6050-6070.	1.9	19
32	Preparation of monodisperse porous polymeric ionic liquid microspheres and their application as stationary phases for HPLC. Talanta, 2020, 208, 120462.	2.9	33
33	Efficient photocatalytic degradation of toxic Alizarin yellow R dye from industrial wastewater using biosynthesized Fe nanoparticle and study of factors affecting the degradation rate. Journal of Photochemistry and Photobiology B: Biology, 2020, 202, 111682.	1.7	82
34	Preparation of porous sulfonated poly(styrene-divinylbenzene) microspheres and its application in hydrophilic and chiral separation. Talanta, 2020, 210, 120586.	2.9	32
35	Regioselective Synthesis, Crystallographic Characterization, and Electrochemical Properties of Pyrazole―and Pyrroleâ€Ringâ€Fused Derivatives of Y 2 @ C 3 v (8) 82. Chemistry - A European Journal, 2020 26, 2464-2469.	, 1.7	5
36	Liposomes modified with bio-substances for cancer treatment. Biomaterials Science, 2020, 8, 6442-6468.	2.6	48

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37	Review of the research on anti-protein fouling coatings materials. Progress in Organic Coatings, 2020, 147, 105860.	1.9	33
38	Agar-based ZIF-90 antibacterial hydrogels for biomedical applications. Ferroelectrics, 2020, 563, 12-20.	0.3	6
39	Analysis of proteins by capillary electrophoresis with a novel diazoresin/ \hat{l}^2 -Cyclodextrin covalent capillary coating method. Ferroelectrics, 2020, 563, 45-51.	0.3	4
40	Recent advances on inorganic lanthanide-doped NIR-II fluorescence nanoprobes for bioapplication. Journal of Luminescence, 2020, 228, 117627.	1.5	35
41	Recent advances in drug delivery systems for enhancing drug penetration into tumors. Drug Delivery, 2020, 27, 1474-1490.	2.5	71
42	Poly-tetrahydropyrimidine Antibacterial Hydrogel with Injectability and Self-Healing Ability for Curing the Purulent Subcutaneous Infection. ACS Applied Materials & Samp; Interfaces, 2020, 12, 50236-50247.	4.0	48
43	Thermally Responsive Antiâ€Protein Adsorption Coated Capillary for Electrophoretic Analysis of Proteins. ChemistrySelect, 2020, 5, 11854-11861.	0.7	4
44	Recent advances in synthesis and application of organic near-infrared fluorescence polymers. Journal of Materials Science, 2020, 55, 9918-9947.	1.7	23
45	Quantitative Monoâ€Formation and Crystallographic Characterization of Pyrazole―and Pyrroleâ€Ring Fused Derivatives of C ₆₀ . European Journal of Organic Chemistry, 2020, 2020, 1866-1870.	1.2	0
46	Dynamic Covalent Câ•€ Bond, Cross-Linked, Injectable, and Self-Healable Hydrogels via Knoevenagel Condensation. Biomacromolecules, 2020, 21, 1234-1242.	2.6	22
47	Biomedical application of manganese dioxide nanomaterials. Nanotechnology, 2020, 31, 202001.	1.3	31
48	Multifunctional Carbon Dots Based Nanoparticles Coupling Optical and pH-Dependent Drug Release Properties as Drug Delivery Platforms. Integrated Ferroelectrics, 2020, 206, 151-159.	0.3	3
49	Tuning the Brightness and Photostability of Organic Dots for Multivalent Targeted Cancer Imaging and Surgery. ACS Nano, 2020, 14, 5887-5900.	7.3	46
50	A Smart Magnetic Responsive Microfiltration Membrane Based on Three-Dimensionally Inverse Colloidal Crystal. Integrated Ferroelectrics, 2020, 206, 112-121.	0.3	6
51	Tumor microenvironment-responsive polymer with chlorin e6 to interface hollow mesoporous silica nanoparticles-loaded oxygen supply factor for boosted photodynamic therapy. Nanotechnology, 2020, 31, 305709.	1.3	11
52	Preparation, surface functionalization and application of Fe3O4 magnetic nanoparticles. Advances in Colloid and Interface Science, 2020, 281, 102165.	7.0	332
53	The Stable Ordered Nanochannels Based on Block Copolymer with Acid-Cleavable Junction and UV Crosslink Group. Integrated Ferroelectrics, 2020, 206, 48-55.	0.3	3
54	Chitosan composite hydrogels crossâ€linked by multifunctional diazo resin as antibacterial dressings for improved wound healing. Journal of Biomedical Materials Research - Part A, 2020, 108, 1890-1898.	2.1	15

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55	Core–Shell Upconversion Nanoparticle@Metal–Organic Framework Nanoprobes for Targeting and Drug Delivery. Integrated Ferroelectrics, 2020, 206, 66-78.	0.3	21
56	Recent advances on protein separation and purification methods. Advances in Colloid and Interface Science, 2020, 284, 102254.	7.0	98
57	Recent Advances in the Rational Drug Design Based on Multi-target Ligands. Current Medicinal Chemistry, 2020, 27, 4720-4740.	1.2	23
58	Preparation and application of fluorescence dendritic macromolecular nanoparticles. Integrated Ferroelectrics, 2019, 197, 99-110.	0.3	9
59	A Near-Infrared Triggered Intracellular pH Regulative PAMAM/O-nitrobenzaldehyde Coated UCNPs for Cancer Therapy. Integrated Ferroelectrics, 2019, 199, 85-94.	0.3	11
60	Surface modification of NaYF ₄ :Yb,Er nanomaterials. Integrated Ferroelectrics, 2019, 199, 138-142.	0.3	4
61	Synthesis of OA-NaYF ₄ :Yb,Er and Its Cytotoxicity. Integrated Ferroelectrics, 2019, 199, 143-147.	0.3	7
62	Recent advances in ruthenium and platinum based supramolecular coordination complexes for antitumor therapy. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110373.	2.5	21
63	Multicomponent cascade reaction catalyzed by basic alumina. Integrated Ferroelectrics, 2019, 198, 55-60.	0.3	1
64	Multifunctional Fe ₃ O ₄ @C-based nanoparticles coupling optical/MRI imaging and pH/photothermal controllable drug release as efficient anti-cancer drug delivery platforms. Nanotechnology, 2019, 30, 425102.	1.3	26
65	Plant mediated synthesis of copper nanoparticles by using <i>Camelia sinensis</i> leaves extract and their applications in dye degradation. Ferroelectrics, 2019, 549, 61-69.	0.3	41
66	Preparation and properties of porous P(St-MMA-AA) microsphere anti-glare film. Progress in Organic Coatings, 2019, 137, 105287.	1.9	3
67	Analysis of factors affecting preparation of magnetic Fe3O4@PS nanospheres. Integrated Ferroelectrics, 2019, 198, 137-141.	0.3	3
68	Self-assembled covalent capillary coating of diazoresin/sodium polystyrene sulfonate for analysis of proteins by capillary electrophoresis. Ferroelectrics, 2019, 546, 188-196.	0.3	1
69	Magnetic Core-shell nanoparticles with molecularly imprinted polymers for selective adsorption and separation of adenine. Ferroelectrics, 2019, 546, 109-119.	0.3	3
70	Preparation of diazoresin/graphene oxide covalent coated capillary for separation of proteins by capillary electrophoresis. Ferroelectrics, 2019, 546, 74-84.	0.3	1
71	Preparation of hydroxypropyl cellulose-poly (2-Methacryloyloxyethyl phosphorylcholine) coating for the analysis of proteins by capillary electrophoresis. Ferroelectrics, 2019, 547, 90-96.	0.3	3
72	Organic Semiconductors for Photothermal Therapy and Photoacoustic Imaging. ChemBioChem, 2019, 20, 1628-1636.	1.3	29

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73	Logical design and application of prodrug platforms. Polymer Chemistry, 2019, 10, 306-324.	1.9	58
74	Investigation of rare earth upconversion fluorescent nanoparticles in biomedical field. Nanotechnology Reviews, 2019, 8, 1-17.	2.6	61
75	Conjugatedâ€Polymerâ€Based Nanoparticles with Efficient NIRâ€I Fluorescent, Photoacoustic and Photothermal Performance. ChemBioChem, 2019, 20, 2793-2799.	1.3	33
76	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
77	Application and design of esterase-responsive nanoparticles for cancer therapy. Drug Delivery, 2019, 26, 416-432.	2.5	117
78	Synthesis, characterization and photocatalytic activity of iron nanoparticles from <i>Ficus carica </i> peels via biological method. Ferroelectrics, 2019, 548, 89-96.	0.3	7
79	D–A polymers for fluorescence/photoacoustic imaging and characterization of their photothermal properties. Journal of Materials Chemistry B, 2019, 7, 6576-6584.	2.9	38
80	A novel diazoresin/polystyrene-poly(ethylene oxide) covalent capillary coating for the analysis of proteins by capillary electrophoresis. Ferroelectrics, 2019, 548, 15-25.	0.3	1
81	Mild polyaddition and polyalkylation based on the carbon–carbon bond formation reaction of active methylene. RSC Advances, 2019, 9, 40455-40461.	1.7	2
82	Advanced Carbon-based Nanoplatforms Combining Drug Delivery and Thermal Therapy for Cancer Treatment. Current Pharmaceutical Design, 2019, 24, 4060-4076.	0.9	25
83	Light-assisted preparation of vancomycin chiral stationary phase based on diazotized silica and its enantioseparation evaluation by high-performance liquid chromatography. Talanta, 2018, 182, 171-177.	2.9	30
84	Preparation of monodisperse cross-linked poly(glycidyl methacrylate)@Fe3O4@diazoresin magnetic microspheres with dye removal property. Journal of Materials Science, 2018, 53, 6471-6481.	1.7	28
85	Preparation of morphology-controllable PGMA-DVB microspheres by introducing Span 80 into seed emulsion polymerization. RSC Advances, 2018, 8, 2593-2598.	1.7	14
86	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
87	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
88	Controlled synthesis of Fe ₃ O ₄ @ZIF-8 nanoparticles for drug delivery. CrystEngComm, 2018, 20, 7486-7491.	1.3	51
89	Preparation of pocket shaped microfiltration membranes with binary porous structures. Soft Matter, 2018, 14, 8660-8665.	1.2	8
90	A degradable triple temperatureâ€, pHâ€, and redoxâ€responsive drug system for cancer chemotherapy. Journal of Biomedical Materials Research - Part A, 2018, 106, 3203-3210.	2.1	46

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91	Novel triple responsive polybenzimidazole synthesized <i>via</i> amine-ene Michael addition. New Journal of Chemistry, 2018, 42, 11396-11403.	1.4	1
92	Preparation of NaYF ₄ :Yb,Er nanoparticles. Integrated Ferroelectrics, 2018, 189, 121-125.	0.3	4
93	Mussel-inspired hydrogel materials used for the periodontal disease. Integrated Ferroelectrics, 2018, 188, 74-78.	0.3	2
94	Stimuli Responsive Nanoparticles for Controlled Anti-cancer Drug Release. Current Medicinal Chemistry, 2018, 25, 1837-1866.	1.2	64
95	Diazoresin modified monodisperse porous poly(glycidylmethacrylate-co-divinylbenzene) microspheres as the stationary phase for high performance liquid chromatography. New Journal of Chemistry, 2017, 41, 4637-4643.	1.4	15
96	A covalent capillary coating of diazoresin and polyglycerol dendrimer for protein analysis using capillary electrophoresis. Electrophoresis, 2017, 38, 3104-3110.	1.3	8
97	Synthesis of monodisperse silica microspheres and modification with diazoresin for mixed-mode ultra high performance liquid chromatography separations. Journal of Separation Science, 2017, 40, 4320-4328.	1.3	6
98	Preparation and characterization of monodisperse porous cross-linked PGMA microspheres with controllable morphology and structure. Integrated Ferroelectrics, 2017, 182, 98-103.	0.3	5
99	Preparation of Porous Poly(Styrene-Divinylbenzene) Microspheres and Their Modification with Diazoresin for Mix-Mode HPLC Separations. Materials, 2017, 10, 440.	1.3	23
100	Multifunctional PMMA@Fe3O4@DR Magnetic Materials for Efficient Adsorption of Dyes. Materials, 2017, 10, 1239.	1.3	24
101	Preparation of crosslinked porous polyurea microspheres in one-step precipitation polymerization and its application for water treatment. RSC Advances, 2016, 6, 111806-111811.	1.7	9
102	Self-assembled and covalently linked capillary coating of diazoresin and cyclodextrin-derived dendrimer for analysis of proteins by capillary electrophoresis. Talanta, 2016, 152, 76-81.	2.9	28
103	Photosensitive diazotized poly(ethylene glycol) covalent capillary coatings for analysis of proteins by capillary electrophoresis. Analytical and Bioanalytical Chemistry, 2016, 408, 6781-6788.	1.9	10
104	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
105	Synthesis of monodisperse poly(styrene-co-divinylbenzene) microspheres with binary porous structures and application in high-performance liquid chromatography. Journal of Materials Science, 2016, 51, 5240-5251.	1.7	31
106	Electrocatalytic reduction of a coreactant using a hemin–graphene–Au nanoparticle ternary composite for sensitive electrochemiluminescence cytosensing. RSC Advances, 2016, 6, 26203-26209.	1.7	12
107	Self-assembled covalent capillary coating of diazoresin/carboxyl fullerene for analysis of proteins by capillary electrophoresis and a comparison with diazoresin/graphene oxide coating. Journal of Chromatography A, 2016, 1437, 226-233.	1.8	34
108	Preparation of highly permeable BPPO microfiltration membrane with binary porous structures on a colloidal crystal substrate by the breath figure method. Journal of Colloid and Interface Science, 2016, 461, 232-238.	5.0	28

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109	Fabrication of highly ordered porous membranes of cellulose triacetate on ice substrates using breath figure method. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 552-558.	2.4	28
110	Fabrication of Stable Ultrathin Transparent Conductive Carbon Nanotube Micropatterns Using Layer-by-Layer Self-Assembly. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 320-325.	1.0	6
111	Inverse colloidal crystal membranes for hydrophobic interaction membrane chromatography. Journal of Separation Science, 2015, 38, 2819-2825.	1.3	7
112	Synthesis of conductive magnetic nickel microspheres and their applications in anisotropic conductive film and water treatment. RSC Advances, 2015, 5, 77860-77865.	1.7	10
113	Fabrication of anisotropic silica hollow microspheres using polymeric protrusion particles as templates. Colloid and Polymer Science, 2014, 292, 2361-2367.	1.0	11
114	Pebaxâ€1657 nanocomposite membranes incorporated with nanoparticles/colloids/carbon nanotubes for CO ₂ /N ₂ and CO ₂ /H ₂ separation. Journal of Applied Polymer Science, 2013, 130, 2867-2876.	1.3	116
115	Current status and future developments in preparation and application of colloidal crystals. Chemical Society Reviews, 2013, 42, 7774.	18.7	183
116	Synthesis of Monodisperse Polystyrene Microspheres by Seeding Polymerization. Integrated Ferroelectrics, 2013, 147, 41-46.	0.3	5
117	A novel diazoresin/polyethylene glycol covalent capillary coating for analysis of proteins by capillary electrophoresis. RSC Advances, 2013, 3, 20010.	1.7	24
118	Preparation of Monodisperse Poly(pentaerythritol triacrylate) Microspheres using a T-junction Microfluidic Chip. Integrated Ferroelectrics, 2013, 146, 43-47.	0.3	1
119	Self-assembly Capillary Coatings of Diazoresin and PVA for CE Analysis of Proteins. Integrated Ferroelectrics, 2013, 145, 94-98.	0.3	0
120	Controllable Self Assembly of Colloidal Crystal Arrays on SU-8 Photoresist Micropatterns. Integrated Ferroelectrics, 2013, 144, 79-83.	0.3	1
121	Self-Assembly Capillary Coatings of Diazoresin and PEG for CE Analysis of Proteins. Integrated Ferroelectrics, 2012, 137, 61-66.	0.3	4
122	Preparation of Narrowly Dispersed Nanospheres Based on Diazonium-Polystyrene and Their Stable Micropatterns. Integrated Ferroelectrics, 2012, 135, 103-109.	0.3	6
123	Highly Ordered Porous Polymer Films Prepared by Breath Figure Method. Integrated Ferroelectrics, 2012, 138, 100-104.	0.3	1
124	Preparation of a highly permeable ordered porous microfiltration membrane of brominated poly(phenylene oxide) on an ice substrate by the breath figure method. Soft Matter, 2012, 8, 8835.	1.2	70
125	Novel covalently coated diazoresin/polyvinyl alcohol capillary column for the analysis of proteins by capillary electrophoresis. Electrophoresis, 2012, 33, 3066-3072.	1.3	31
126	Ionic liquid modified poly(2,6-dimethyl-1,4-phenylene oxide) for CO2 separation. Journal of Polymer Research, 2012, 19, 1.	1.2	24

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127	Carbon Dioxide Capture by Dendrimer-Modified Silica Nanoparticles. Adsorption Science and Technology, 2011, 29, 781-788.	1.5	11
128	Synthesis of P(St-MMA-AA) Colloids and Application in Colloidal Crystals. Integrated Ferroelectrics, 2011, 128, 44-48.	0.3	2
129	lonene-dynamically coated capillary for analysis of urinary and recombinant human erythropoietin by capillary electrophoresis and online electrospray ionization mass spectrometry. Journal of Separation Science, 2005, 28, 2390-2400.	1.3	39
130	Fabrication and characterization of stable ultrathin film micropatterns containing DNA and photosensitive polymer diazoresin. Analytical and Bioanalytical Chemistry, 2005, 384, 385-390.	1.9	16