

# Baojiao Gao

## List of Publications by Year in descending order

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93  
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#	ARTICLE	IF	CITATIONS
1	Cationization modification of polysulfone microfiltration membrane by graft-polymerization and subsequent polymer reaction. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 371-384.	1.3	4
2	Preparation of Cationic Grafted Microfiltration Membrane of PSF-g-PDPAEMA and Study on its Adsorption and Rejection Performance for Acid Dye. <i>Polymer Engineering and Science</i> , 2020, 60, 900-908.	3.1	6
3	Preparation of PSS-grafted polysulfone microfiltration membrane and its rejection and removal properties towards heavy metal ions. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1096-1105.	3.2	9
4	Microfiltration membrane possessing chelation function and its adsorption and rejection properties towards heavy metal ions. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1441-1450.	3.2	13
5	Synthesis and characterization of two novel Schiff base type macromolecular ligands and preliminary research on luminescent property of polymer-rare earth complexes. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	6
6	Effects of structures of bidentate Schiff base type bonded-ligands derived from benzaldehyde on the photoluminescence performance of polymer-rare earth complexes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4373-4385.	2.8	5
7	Molecularly imprinted membrane with innovative structure and high performance for chiral separation of amino acids. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 517-527.	3.4	22
8	Surface molecularly imprinted material for enantiomeric resolution of ibuprofen: Preparation and study on chiral recognition and resolution property. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 635-645.	3.4	1
9	Constituting of a new surface-initiating system on polymeric microspheres and preparation of basic protein surface-imprinted material in aqueous solution. <i>Polymers for Advanced Technologies</i> , 2018, 29, 575-586.	3.2	3
10	Constituting a special redox surface-initiating system and realizing graft-polymerization of GMA on polysulfone microfiltration membrane. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	6
11	Synthesis and luminescence properties of polymer-rare earth complexes containing salicylaldehyde-type bidentate Schiff base ligand. <i>Luminescence</i> , 2017, 32, 855-865.	2.9	14
12	Effect of ligand structure of Schiff base oxovanadium(IV) complexes on their catalytic activity in aerobic oxidation of alcohols. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1835-1850.	2.2	0
13	Preparation of cationic functional polymer poly(Acryloyltrimethyl ammonium chloride)/SiO <sub>2</sub> and its adsorption characteristics for heparin. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1889-1895.	2.7	11
14	Preparation of molecule imprinted membrane of single enantiomer of amino acid with an innovative strategy and study on its chiral recognition and resolution properties. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1566-1576.	3.2	21
15	Catalytic Activity and Mechanism of Co-Catalysts Used in Combinational Catalysts for Aerobic Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 124-132.	2.0	2
16	Photoluminescence property of polymer-rare earth complexes containing acetaldehyde/aminophenol type bidentate Schiff base ligand. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3275-3292.	2.2	5
17	Preparation of crosslinked poly (acryloyloxyethyltrimethyl ammonium chloride) microsphere and its adsorption and mechanism towards shikimic acid. <i>Materials Science and Engineering C</i> , 2017, 71, 167-175.	7.3	21
18	Modifying polysulfone into a bidentate Schiff base type macromolecular ligand and study on photoluminescence property of polymer-rare earth complexes of Eu(III) and Tb(III). <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	6

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19	Designing and preparation of novel alkaloid-imprinted membrane with grafting type and its molecular recognition characteristic and permselectivity. <i>Materials Science and Engineering C</i> , 2016, 66, 259-267.	7.3	20
20	Surface molecularly imprinted electrochemical sensor for phenol based on SiO <sub>2</sub> nanoparticles. <i>RSC Advances</i> , 2016, 6, 56936-56943.	3.6	11
21	Preparation of heparin-functionalized microspheres and study on their adsorption characteristic for basic protein lysozyme. <i>Macromolecular Research</i> , 2016, 24, 114-122.	2.4	15
22	Preparation of surface imprinted material of single enantiomer of mandelic acid with a new surface imprinting technique and study on its chiral recognition and resolution properties. <i>Journal of Chromatography A</i> , 2016, 1443, 10-20.	3.7	37
23	Designing and preparation of ferulic acid surface-imprinted material and its molecular recognition characteristics. <i>RSC Advances</i> , 2016, 6, 3986-3996.	3.6	5
24	Design and preparation of matrine surface-imprinted material and studies on its molecule recognition selectivity. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1-21.	3.5	12
25	Preparation of Acid Dye Molecule Surface-Imprinted Material for Effective Removal of Acid Dyes from Water and Study on its Molecule Recognition Performance. <i>Separation Science and Technology</i> , 2015, 50, 1108-1119.	2.5	6
26	Selective Epoxidation of Cyclohexene Catalyzed by New Bidentate Schiff Base Dioxomolybdenum(VI) Complex Immobilized on Crosslinked Polystyrene Microspheres. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 821-827.	0.6	6
27	Synchronously Synthesizing and Immobilizing <i>N</i> -Hydroxyphthalimide on Polymer Microspheres and Catalytic Performance of Solid Catalyst in Oxidation of Ethylbenzene by Molecular Oxygen. <i>Organic Process Research and Development</i> , 2015, 19, 1374-1382.	2.7	34
28	Structure and luminescent property of complexes of aryl carboxylic acid-functionalized polystyrene with Eu(III) and Tb(III) ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 565-574.	3.9	28
29	Preparation and Photoluminescence Properties of Polymer-Rare-Earth Complexes Composed of Bidentate Schiff-Base-Ligand-Functionalized Polysulfone and Eu(III) Ion. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16403-16413.	3.1	27
30	Effect of electron-donating substituent groups on aromatic ring on photoluminescence properties of complexes of benzoic acid-functionalized polysulfone with Eu(III) ions. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25322-25332.	2.8	21
31	TEMPO immobilized on polymer microspheres-catalyzed oxidation of cyclohexanol by molecular oxygen. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1230-1235.	14.0	8
32	Preparation and Characterization of Metronidazole-Surface Imprinted Microspheres MIP-PSSS/CPVA for Colon-Specific Drug Delivery System. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 914-923.	2.2	10
33	Preparation of heterogeneous cationic metalloporphyrin/heteropolyanion composite catalysts and their high catalytic activity in hydroxylation of cyclohexane with molecular oxygen. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 79, 247-258.	1.6	5
34	Adsorption and recognition characteristics of surface molecularly imprinted polymethacrylic acid/silica toward genistein. <i>Journal of Chromatography A</i> , 2014, 1359, 26-34.	3.7	19
35	Designing and preparing of quercetin surface-imprinted material and its molecular recognition characteristics. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	4
36	Preparation of atrazine surface-imprinted material MIP-PSSS/SiO <sub>2</sub> and study on its molecule recognition character. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 896-904.	2.7	3

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37	Preparation of Molybdate Anion Surface-Imprinted Material for Selective Removal of Molybdate Anion from Water Medium. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 4469-4479.	3.7	15
38	Structure and photoluminescence property of complexes of aromatic carboxylic acid-functionalized polysulfone with Eu(III) and Tb(III). <i>Materials Chemistry and Physics</i> , 2014, 143, 1119-1130.	4.0	35
39	Preparation of Zn porphyrin-functionalized polystyrene and the fluorescence quenching of it by terbuthylazine. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	1
40	Preparation and characterization of 8-hydroxyquinoline-functionalized polysulfone and preliminary study on luminescence property of its complex with Al(III). <i>Macromolecular Research</i> , 2013, 21, 599-607.	2.4	9
41	Preparation of 8-hydroxyquinoline-type composite chelating material $\text{HQ-g-PHEMA/SiO}_2$ and its adsorption behavior for heavy metal ions. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1459-1467.	3.2	10
42	Preparation of grafted microspheres CPVA-g-PSSS and studies on their drug-carrying and colon-specific drug delivery properties. <i>Materials Science and Engineering C</i> , 2013, 33, 1300-1306.	7.3	13
43	Removal of Fe(II) from Ce(III) and Pr(III) rare earth solution using surface imprinted polymer. <i>Desalination and Water Treatment</i> , 2013, 51, 5566-5573.	1.0	6
44	Preparation of Arsenate Anion Surface-Imprinted Material IIP-PDMC/SiO <sub>2</sub> and Study on Its Ion Recognition Property. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 7651-7659.	3.7	40
45	CPVA Grafted Poly(sodium 4-styrene sulfonate) and Studies on its Colon Specific for Chronotherapy of Nocturnal Asthma. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 1142-1148.	2.2	1
46	Preparation of grafted particles PGMA/SiO <sub>2</sub> with a new surface-initiating system of mercapto group/BPO and their functionalization transformation. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	7
47	Preparation of Functional Grafted Particles PVA/SiO <sub>2</sub> with High Grafting Degree and Preliminary Research of Their Adsorption Character. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 238-247.	2.2	5
48	Hydroxylation of cyclohexane with molecular oxygen catalyzed by highly efficient heterogeneous Mn(III) porphyrin catalysts prepared by special synthesis and immobilization method. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012, 74, 455-465.	1.6	11
49	Preparation of aromatic carboxylic acid-functionalized polysulfone and preliminary exploration of fluorescence emission character of formed polymer-rare earth complexes. <i>Synthetic Metals</i> , 2012, 162, 503-510.	3.9	32
50	Studies on preparation, structure and fluorescence emission of polymer-rare earth complexes composed of aryl carboxylic acid-functionalized polystyrene and Tb(III) ion. <i>Polymer</i> , 2012, 53, 4709-4717.	3.8	44
51	Constituting redox initiation system of mercapto-cerium salt and realizing highly effective graft-polymerization of MAA on surfaces of silica gel particles. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	5
52	Realizing porphyrin-functionalization of crosslinked polystyrene microspheres via two special polymer reactions. <i>Polymers for Advanced Technologies</i> , 2012, 23, 491-499.	3.2	4
53	Preparation of iminodiacetic acid-type composite chelating material IDAA-g-PGMA/SiO <sub>2</sub> and preliminary studies on adsorption behavior of heavy metal ions and rare earth ions. <i>Journal of Applied Polymer Science</i> , 2012, 125, 2529-2538.	2.6	11
54	The Adsorption Behavior of Functional Particles Modified by Polyvinylimidazole for Cu(II) Ion. <i>Clean - Soil, Air, Water</i> , 2012, 40, 278-284.	1.1	15

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55	Preparation of polymer-rare earth complex using salicylic acid-containing polystyrene and its fluorescence emission property. <i>Journal of Luminescence</i> , 2012, 132, 2005-2011.	3.1	34
56	Chemical structure and catalytic activity of quaternary onium salt-type triphase catalysts based on CPS microspheres. <i>Journal of Applied Polymer Science</i> , 2012, 123, 824-832.	2.6	2
57	Studies on Preparation and Recognition Characteristic of Surface-Ion Imprinting Material IIP-PEI/SiO <sub>2</sub> of Chromate Anion. <i>Separation Science and Technology</i> , 2011, 46, 1472-1481.	2.5	12
58	Preparation of high PMMA grafted particle SiO <sub>2</sub> using surface initiated free radical polymerization. <i>Journal of Polymer Research</i> , 2011, 18, 1519-1526.	2.4	33
59	The catalytic activity of poly(N-vinylimidazole)/SiO <sub>2</sub> -supported metalloporphyrins in ethyl benzene oxidation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 103, 431-441.	1.7	12
60	Synthesis of N-butylphthalimide catalyzed by quaternary phosphonium salt-type triphase catalysts based on cross-linked polystyrene microspheres. <i>International Journal of Chemical Kinetics</i> , 2011, 43, 677-686.	1.6	2
61	Catalytic activity of immobilized metalloporphyrins prepared by synchronously synthesizing and immobilizing porphyrins on polymeric microspheres. <i>Journal of Applied Polymer Science</i> , 2011, 122, 406-416.	2.6	9
62	Constructing chiral caves and efficiently separating enantiomers of glutamic acid with novel surface-imprinting technique. <i>Journal of Chromatography A</i> , 2011, 1218, 5441-5448.	3.7	36
63	Preparation of Iminoacetic Acid-type Composite Chelating Material IAA-PEI/SiO <sub>2</sub> and Preliminary Studies on Chelating Adsorption Property towards Heavy Metal Ions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 823-831.	2.2	6
64	Preparation of polymer-supported polyethylene glycol and phase-transfer catalytic activity in benzoate synthesis. <i>AIChE Journal</i> , 2010, 56, 729-736.	3.6	3
65	Studies on preparation of metalloporphyrin-functionalized PVI and PVI/SiO <sub>2</sub> via axial coordination reaction. <i>Polymers for Advanced Technologies</i> , 2010, 21, 447-453.	3.2	3
66	Preparation of surface molecularly imprinted polymeric microspheres and their recognition property for basic protein lysozyme. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1731-1738.	2.3	37
67	Preparation of Water-Insoluble Antibacterial Materials with Surface-Grafted Material PSt/SiO <sub>2</sub> and Their Antibacterial Activity. <i>Journal of Polymers and the Environment</i> , 2010, 18, 474-483.	5.0	12
68	Synthesis of Salicylic Acid-Polystyrene Type Chelate Resin with a New Route. <i>Journal of Polymer Research</i> , 2010, 17, 301-308.	2.4	5
69	Study on complexation adsorption behavior of dibenzo-18-crown-6 immobilized on CPVA microspheres for metal ions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 68, 475-483.	1.6	10
70	Preparation and recognition performance of cytosine alkaloid-imprinted material prepared using novel surface molecular imprinting technique. <i>Journal of Separation Science</i> , 2010, 33, 1338-1348.	2.5	33
71	Preparation and recognition performance of creatinine-imprinted material prepared with novel surface-imprinting technique. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2077-2086.	2.3	48
72	Preparation and recognition performance of uric acid-imprinted material prepared with novel surface imprinting technique. <i>Journal of Chromatography A</i> , 2010, 1217, 2226-2236.	3.7	39

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73	Preparation of polymethacrylic acid-grafted HEMA/PVP microspheres and preliminary study on basic protein adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 206-213.	5.0	26
74	Immobilization of povidone-iodine on surfaces of silica gel particles and bactericidal property. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 446-451.	5.0	30
75	Studies on Preparation of Composite Chelating Material Poly(amidoxime)/SiO <sub>2</sub> with Grafting-Type. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 48, 119-127.	2.2	5
76	Studies on Chloroacylation Reaction Process of Crosslinked Polystyrene Microspheres with 1%-Chloroacyl Chloride as Reagent. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 927-934.	2.2	7
77	Adsorption and recognition properties of ionic imprinted polyamine IPAAEPEI/SiO <sub>2</sub> towards Pb <sup>2+</sup> ion. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2241-2246.	2.6	13
78	Immobilization of manganoporphyrin on a novel polymeric support and catalytic oxidation characteristic of supported catalyst. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2764-2772.	2.6	19
79	Studies on preparation of PGMA/Al <sub>2</sub> O <sub>3</sub> and its effect on impact strength of epoxy resin. <i>Journal of Applied Polymer Science</i> , 2009, 113, 41-48.	2.6	2
80	Preparation of poly(vinyl amine)-grafted crosslinked poly(vinyl alcohol) microspheres. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3487-3494.	2.6	14
81	Preparation and adsorption property of aminated cross linking microbeads of GMA/EGDMA for bilirubin. <i>Journal of Chemical Sciences</i> , 2009, 121, 1061-1068.	1.5	7
82	Synchronously synthesizing and immobilizing porphyrins on crosslinked polystyrene microspheres and preliminary study on catalytic activity of supported metalloporphyrins. <i>Polymers for Advanced Technologies</i> , 2009, 20, 1183-1189.	3.2	16
83	Studies of Imprinting Conditions and Application Performance of Pirimicarb Molecule-Imprinted Material Prepared Using a Novel Surface-Imprinting Technique. <i>Chromatographia</i> , 2009, 69, 1353-1361.	1.3	9
84	Preparation and antibacterial characteristic of water-insoluble antibacterial material QPEI/SiO <sub>2</sub> . <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 3021-3028.	3.6	10
85	Preparation of two kinds of chloromethylated polystyrene particle using 1,4-bis (chloromethoxy) butane as chloromethylation reagent. <i>Colloid and Polymer Science</i> , 2008, 286, 553-561.	2.1	42
86	Preparation of two kinds of porphyrin-functionalized polymeric materials based on poly(glycerol) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.2	2
87	Preparation and adsorption characteristic of polymeric microsphere with strong adsorbability for creatinine. <i>Journal of Biochemical and Molecular Toxicology</i> , 2008, 22, 166-174.	3.0	17
88	Studies on the preparation and antibacterial properties of quaternized polyethyleneimine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2007, 18, 531-544.	3.5	80
89	Studies on preparing and adsorption property of grafting terpolymer microbeads of PEI-GMA/AM/MBA for bilirubin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 853, 62-69.	2.3	20
90	Studies on rheological behaviour of hydrophobically associating polyacrylamide with strong positive salinity sensitivity. <i>Colloid and Polymer Science</i> , 2007, 285, 839-846.	2.1	32

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91	Studies on the self-assembly behavior of the amphiphilic block copolymer of PSt-b-PAA in apolar solvents with polar fluorescent probe. <i>Colloid and Polymer Science</i> , 2006, 284, 710-717.	2.1	2
92	Antibacterial property and mechanism of copolymer of acrylamide and quaternary salt of 4-vinyl pyridine. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1531-1537.	2.6	30
93	A comparative study on effects of two kinds of polymerization methods on grafting of polymer onto silica surface. <i>Journal of Applied Polymer Science</i> , 2006, 102, 5808-5817.	2.6	33