

Kaiguang Yang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

2,225
citations

30
h-index

44
g-index

85
ext. papers

2,448
ext. citations

6.2
avg, IF

4.71
L-index

#	Paper	IF	Citations
79	One-Pot Synthesis of Hydrophilic Molecularly Imprinted Nanoparticles. <i>Macromolecules</i> , 2009 , 42, 8739-8746	5.46	109
78	Boronic Acid functionalized core-shell polymer nanoparticles prepared by distillation precipitation polymerization for glycopeptide enrichment. <i>Chemistry - A European Journal</i> , 2012 , 18, 9056-62	4.8	95
77	New GO-PEI-Au-L-Cys ZIC-HILIC composites: synthesis and selective enrichment of glycopeptides. <i>Nanoscale</i> , 2014 , 6, 5616-9	7.7	85
76	Preparation of a new type of affinity materials combining metal coordination with molecular imprinting. <i>Chemical Communications</i> , 2011 , 47, 3969-71	5.8	82
75	Protein-imprinted materials: rational design, application and challenges. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 2173-83	4.4	80
74	Hydrophilic immobilized trypsin reactor with magnetic graphene oxide as support for high efficient proteome digestion. <i>Journal of Chromatography A</i> , 2012 , 1254, 8-13	4.5	79
73	Synthesis of adenosine functionalized metal immobilized magnetic nanoparticles for highly selective and sensitive enrichment of phosphopeptides. <i>Chemical Communications</i> , 2012 , 48, 6274-6	5.8	77
72	Aptamer modified organic-inorganic hybrid silica monolithic capillary columns for highly selective recognition of thrombin. <i>Analytical Chemistry</i> , 2012 , 84, 10186-90	7.8	76
71	Epitope Imprinting Technology: Progress, Applications, and Perspectives toward Artificial Antibodies. <i>Advanced Materials</i> , 2019 , 31, e1902048	24	67
70	Molecularly imprinted polyethersulfone microspheres for the binding and recognition of bisphenol A. <i>Analytica Chimica Acta</i> , 2005 , 546, 30-36	6.6	62
69	Surface-imprinted nanoparticles prepared with a His-tag-anchored epitope as the template. <i>Analytical Chemistry</i> , 2015 , 87, 4617-20	7.8	58
68	Preparation of protein imprinted materials by hierarchical imprinting techniques and application in selective depletion of albumin from human serum. <i>Scientific Reports</i> , 2014 , 4, 5487	4.9	49
67	Thermoresponsive Epitope Surface-Imprinted Nanoparticles for Specific Capture and Release of Target Protein from Human Plasma. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5747-51	9.5	49
66	Epitope imprinted polyethersulfone beads by self-assembly for target protein capture from the plasma proteome. <i>Chemical Communications</i> , 2014 , 50, 9521-4	5.8	47
65	Boronic Acid-Functionalized Particles with Flexible Three-Dimensional Polymer Branch for Highly Specific Recognition of Glycoproteins. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9552-6	9.5	47
64	Surface protein imprinted core-shell particles for high selective lysozyme recognition prepared by reversible addition-fragmentation chain transfer strategy. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21954-60	9.5	45
63	An efficient approach to prepare boronate core-shell polymer nanoparticles for glycoprotein recognition via combined distillation precipitation polymerization and RAFT media precipitation polymerization. <i>Chemical Communications</i> , 2015 , 51, 3896-8	5.8	44

62	3-Carboxybenzoboroxole Functionalized Polyethylenimine Modified Magnetic Graphene Oxide Nanocomposites for Human Plasma Glycoproteins Enrichment under Physiological Conditions. <i>Analytical Chemistry</i> , 2018 , 90, 2671-2677	7.8	43
61	1-Dodecyl-3-methylimidazolium chloride-assisted sample preparation method for efficient integral membrane proteome analysis. <i>Analytical Chemistry</i> , 2014 , 86, 7544-50	7.8	42
60	Preparation of porous polysulfone beads for selective removal of endocrine disruptors. <i>Separation and Purification Technology</i> , 2004 , 40, 297-302	8.3	41
59	Clickable Periodic Mesoporous Organosilica Monolith for Highly Efficient Capillary Chromatographic Separation. <i>Analytical Chemistry</i> , 2016 , 88, 1521-5	7.8	38
58	Dendrimer-grafted graphene oxide nanosheets as novel support for trypsin immobilization to achieve fast on-plate digestion of proteins. <i>Talanta</i> , 2014 , 122, 278-84	6.2	37
57	Synthesis of Zwitterionic Polymer Particles via Combined Distillation Precipitation Polymerization and Click Chemistry for Highly Efficient Enrichment of Glycopeptide. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22018-24	9.5	37
56	Polyethyleneimine-modified graphene oxide nanocomposites for effective protein functionalization. <i>Nanoscale</i> , 2015 , 7, 14284-91	7.7	36
55	Hydrogen-bond interaction assisted branched copolymer HILIC material for separation and N-glycopeptides enrichment. <i>Talanta</i> , 2016 , 158, 361-367	6.2	36
54	Aptamer functionalized hydrophilic polymer monolith with gold nanoparticles modification for the sensitive detection of human α -thrombin. <i>Talanta</i> , 2016 , 154, 555-9	6.2	36
53	High throughput tryptic digestion via poly (acrylamide-co-methylenebisacrylamide) monolith based immobilized enzyme reactor. <i>Talanta</i> , 2011 , 83, 1748-53	6.2	34
52	BPA transfer rate increase using molecular imprinted polyethersulfone hollow fiber membrane. <i>Journal of Membrane Science</i> , 2008 , 310, 38-43	9.6	33
51	Macroporous molecularly imprinted monolithic polymer columns for protein recognition by liquid chromatography. <i>Journal of Separation Science</i> , 2010 , 33, 2757-61	3.4	32
50	Multiepitope Templates Imprinted Particles for the Simultaneous Capture of Various Target Proteins. <i>Analytical Chemistry</i> , 2016 , 88, 5621-5	7.8	32
49	Artificial Antibody with Site-Enhanced Multivalent Aptamers for Specific Capture of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2019 , 91, 2591-2594	7.8	30
48	Mesoporous TiO ₂ aerogel for selective enrichment of phosphopeptides in rat liver mitochondria. <i>Analytica Chimica Acta</i> , 2012 , 729, 26-35	6.6	30
47	Advances in exosome isolation methods and their applications in proteomic analysis of biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 5351-5361	4.4	27
46	Epitope imprinting enhanced IMAC (EI-IMAC) for highly selective purification of His-tagged protein. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1960-1967	7.3	25
45	Preparing a metal-ion chelated immobilized enzyme reactor based on the polyacrylamide monolith grafted with polyethylenimine for a facile regeneration and high throughput tryptic digestion in proteomics. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 703-10	4.4	25

44	Monodisperse boronate polymeric particles synthesized by a precipitation polymerization strategy: particle formation and glycoprotein response from the standpoint of the Flory-Huggins model. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2059-66	9.5	22
43	Metagenomic Analysis of the Diversity of DNA Viruses in the Surface and Deep Sea of the South China Sea. <i>Frontiers in Microbiology</i> , 2019 , 10, 1951	5.7	21
42	Zirconium oxide aerogel for effective enrichment of phosphopeptides with high binding capacity. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 3399-405	4.4	21
41	Preparation of DNA-encapsulated polyethersulfone hollow microspheres for organic compounds and heavy metal ions removal. <i>Desalination</i> , 2005 , 175, 297-304	10.3	19
40	"Thiol-ene" grafting of silica particles with three-dimensional branched copolymer for HILIC/cation-exchange chromatographic separation and N-glycopeptide enrichment. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1019-1027	4.4	18
39	Effect of the template molecules and nonsolvent additives on the recognition property of molecular imprinted polyethersulfone particles. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 3859-3866	2.9	18
38	Antibody-Free Hydrogel with the Synergistic Effect of Cell Imprinting and Boronate Affinity: Toward the Selective Capture and Release of Undamaged Circulating Tumor Cells. <i>Small</i> , 2020 , 16, e19041	11.99	17
37	Aptamer-conjugated gold functionalized graphene oxide nanocomposites for human thrombin specific recognition. <i>Journal of Chromatography A</i> , 2016 , 1427, 16-21	4.5	17
36	Preparation of surface imprinted core-shell particles via a metal chelating strategy: specific recognition of porcine serum albumin. <i>Mikrochimica Acta</i> , 2016 , 183, 345-352	5.8	17
35	DNA-loaded porous polyethersulfone particles for environmental applications I. preparation. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1668-1673	2.9	17
34	Octyl-functionalized hybrid magnetic mesoporous microspheres for enrichment of low-concentration peptides prior to direct analysis by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1257-65	2.2	16
33	Polysulfone-Activated Carbon Hybrid Particles for the Removal of BPA. <i>Separation Science and Technology</i> , 2006 , 41, 515-529	2.5	16
32	Polyethersulfone dead-end tube as a scaffold for artificial lacrimal glands in vitro. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006 , 78, 409-16	3.5	14
31	Facile preparation of monolithic immobilized metal affinity chromatography capillary columns for selective enrichment of phosphopeptides. <i>Journal of Separation Science</i> , 2011 , 34, 2122-30	3.4	13
30	Self-Assembly Molecularly Imprinted Nanofiber for 4-HA Recognition. <i>Analytical Letters</i> , 2010 , 43, 2790-2797	2.97	13
29	Molecularly imprinted porous polysulfone particles for the binding and recognition of bisphenol A. <i>Desalination</i> , 2009 , 245, 232-245	10.3	13
28	Preparation and selective binding characterization of Bisphenol A imprinted polyethersulfone particles. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 2791-2799	2.9	13
27	Aptamer-immobilized open tubular capillary column to capture circulating tumor cells for proteome analysis. <i>Talanta</i> , 2017 , 175, 189-193	6.2	12

26	Proteomics Investigations into Serum Proteins Adsorbed by High-Flux and Low-Flux Dialysis Membranes. <i>Proteomics - Clinical Applications</i> , 2017 , 11, 1700079	3.1	12
25	A novel organic-inorganic hybrid monolith for trypsin immobilization. <i>Science China Life Sciences</i> , 2011 , 54, 54-9	8.5	12
24	Piperazines for peptide carboxyl group derivatization: effect of derivatization reagents and properties of peptides on signal enhancement in matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 639-46	2.2	12
23	Surface sieving coordinated IMAC material for purification of His-tagged proteins. <i>Analytica Chimica Acta</i> , 2018 , 997, 9-15	6.6	11
22	Transferrin recognition based on a protein imprinted material prepared by hierarchical imprinting technique. <i>Mikrochimica Acta</i> , 2013 , 180, 1379-1386	5.8	11
21	DNA-loaded porous polyethersulfone particles for environmental applications II. Utilization. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1674-1678	2.9	11
20	Dandelion-like core-shell silica microspheres with hierarchical pores. <i>RSC Advances</i> , 2015 , 5, 26269-26272	3.7	9
19	DNA-immobilized porous polysulfone beads for organic compounds and heavy metal ion removal. <i>Desalination</i> , 2004 , 170, 263-270	10.3	9
18	Urea free and more efficient sample preparation method for mass spectrometry based protein identification via combining the formic acid-assisted chemical cleavage and trypsin digestion. <i>Talanta</i> , 2011 , 86, 429-35	6.2	8
17	Characterization of DNA-loaded porous polyethersulfone particles prepared by phase inversion technique. <i>Colloid Journal</i> , 2005 , 67, 140-145	1.1	8
16	Glycoprotein recognition by water-compatible core-shell polymeric submicron particles. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3927-3930	7.3	7
15	Proteomics investigation of the changes in serum proteins after high- and low-flux hemodialysis. <i>Renal Failure</i> , 2018 , 40, 506-513	2.9	7
14	Comprehensive Analysis of Protein N-Terminome by Guanidination of Terminal Amines. <i>Analytical Chemistry</i> , 2020 , 92, 567-572	7.8	6
13	Glycan Moieties as Bait to Fish Plasma Membrane Proteins. <i>Analytical Chemistry</i> , 2016 , 88, 5065-71	7.8	6
12	Decrease of dynamic range of proteins in human plasma by ampholine immobilized polymer microspheres. <i>Analytica Chimica Acta</i> , 2014 , 826, 43-50	6.6	5
11	Protein-imprinted material for the treatment of antibiotic-resistant bacteria. <i>Science Bulletin</i> , 2016 , 61, 1890-1891	10.6	5
10	1-(3-aminopropyl)-3-butylimidazolium bromide for carboxyl group derivatization: potential applications in high sensitivity peptide identification by mass spectrometry. <i>Science China Life Sciences</i> , 2013 , 56, 240-5	8.5	4
9	Proteomic study provides new clues for complications of hemodialysis caused by dialysis membrane. <i>Science Bulletin</i> , 2017 , 62, 1251-1255	10.6	4

8	Cell-imprinted polydimethylsiloxane for the selective cell adhesion. <i>Chinese Chemical Letters</i> , 2019 , 30, 672-675	8.1	3
7	Poly(ether sulfone) nanoparticles and controllably modified nanoparticles obtained through temperature-dependent cryogelation. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47485	2.9	2
6	A rapid protein sample preparation method based on organic-aqueous microwave irradiation technique. <i>Science China Chemistry</i> , 2015 , 58, 526-531	7.9	2
5	Ampholine immobilized polymer microspheres for increasing coverage of human urinary proteome. <i>Talanta</i> , 2020 , 215, 120931	6.2	2
4	Exogenous artificial DNA forms chromatin structure with active transcription in yeast.. <i>Science China Life Sciences</i> , 2021 , 1	8.5	2
3	Preparation of DNA Hybrid Polyethersulfone Microspheres for Endocrine Disruptor Removal. <i>Key Engineering Materials</i> , 2005 , 288-289, 113-116	0.4	1
2	Correction: Epitope imprinting enhanced IMAC (EI-IMAC) for highly selective purification of His-tagged protein. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2739	7.3	0
1	Quantitative proteomics of epigenetic histone modifications in MCF-7 cells under estradiol stimulation. <i>Analytical Methods</i> , 2021 , 13, 469-476	3.2	