Kaiguang Yang

List of Publications by Year in Descending Order

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	Quantitative proteomics of epigenetic histone modifications in MCF-7 cells under estradiol stimulation. *Analytical Methods*, **2021**, 13, 469-476	3.2	
78	Exogenous artificial DNA forms chromatin structure with active transcription in yeast.. *Science China Life Sciences*, **2021**, 1	8.5	2
77	Antibody-Free Hydrogel with the Synergistic Effect of Cell Imprinting and Boronate Affinity: Toward the Selective Capture and Release of Undamaged Circulating Tumor Cells. *Small*, **2020**, 16, e1904199	11	17
76	Comprehensive Analysis of Protein N-Terminome by Guanidination of Terminal Amines. *Analytical Chemistry*, **2020**, 92, 567-572	7.8	6
75	Ampholine immobilized polymer microspheres for increasing coverage of human urinary proteome. *Talanta*, **2020**, 215, 120931	6.2	2
74	Metagenomic Analysis of the Diversity of DNA Viruses in the Surface and Deep Sea of the South China Sea. *Frontiers in Microbiology*, **2019**, 10, 1951	5.7	21
73	Poly(ether sulfone) nanoparticles and controllably modified nanoparticles obtained through temperature-dependent cryogelation. *Journal of Applied Polymer Science*, **2019**, 136, 47485	2.9	2
72	Artificial Antibody with Site-Enhanced Multivalent Aptamers for Specific Capture of Circulating Tumor Cells. *Analytical Chemistry*, **2019**, 91, 2591-2594	7.8	30
71	Epitope Imprinting Technology: Progress, Applications, and Perspectives toward Artificial Antibodies. *Advanced Materials*, **2019**, 31, e1902048	24	67
70	Advances in exosome isolation methods and their applications in proteomic analysis of biological samples. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 5351-5361	4.4	27
69	Cell-imprinted polydimethylsiloxane for the selective cell adhesion. *Chinese Chemical Letters*, **2019**, 30, 672-675	8.1	3
68	3-Carboxybenzoboroxole Functionalized Polyethylenimine Modified Magnetic Graphene Oxide Nanocomposites for Human Plasma Glycoproteins Enrichment under Physiological Conditions. *Analytical Chemistry*, **2018**, 90, 2671-2677	7.8	43
67	Surface sieving coordinated IMAC material for purification of His-tagged proteins. *Analytica Chimica Acta*, **2018**, 997, 9-15	6.6	11
66	"Thiol-ene" grafting of silica particles with three-dimensional branched copolymer for HILIC/cation-exchange chromatographic separation and N-glycopeptide enrichment. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 1019-1027	4.4	18
65	Proteomics investigation of the changes in serum proteins after high- and low-flux hemodialysis. *Renal Failure*, **2018**, 40, 506-513	2.9	7
64	Proteomic study provides new clues for complications of hemodialysis caused by dialysis membrane. *Science Bulletin*, **2017**, 62, 1251-1255	10.6	4
63	Aptamer-immobilized open tubular capillary column to capture circulating tumor cells for proteome analysis. *Talanta*, **2017**, 175, 189-193	6.2	12

62	Proteomics Investigations into Serum Proteins Adsorbed by High-Flux and Low-Flux Dialysis Membranes. *Proteomics - Clinical Applications*, **2017**, 11, 1700079	3.1	12
61	Hydrogen-bond interaction assisted branched copolymer HILIC material for separation and N-glycopeptides enrichment. *Talanta*, **2016**, 158, 361-367	6.2	36
60	Correction: Epitope imprinting enhanced IMAC (EI-IMAC) for highly selective purification of His-tagged protein. *Journal of Materials Chemistry B*, **2016**, 4, 2739	7.3	0
59	Clickable Periodic Mesoporous Organosilica Monolith for Highly Efficient Capillary Chromatographic Separation. *Analytical Chemistry*, **2016**, 88, 1521-5	7.8	38
58	Epitope imprinting enhanced IMAC (EI-IMAC) for highly selective purification of His-tagged protein. *Journal of Materials Chemistry B*, **2016**, 4, 1960-1967	7.3	25
57	Thermoresponsive Epitope Surface-Imprinted Nanoparticles for Specific Capture and Release of Target Protein from Human Plasma. *ACS Applied Materials & Interfaces*, **2016**, 8, 5747-51	9.5	49
56	Aptamer functionalized hydrophilic polymer monolith with gold nanoparticles modification for the sensitive detection of human □hrombin. *Talanta*, **2016**, 154, 555-9	6.2	36
55	Aptamer-conjugated gold functionalized graphene oxide nanocomposites for human □hrombin specific recognition. *Journal of Chromatography A*, **2016**, 1427, 16-21	4.5	17
54	Preparation of surface imprinted core-shell particles via a metal chelating strategy: specific recognition of porcine serum albumin. *Mikrochimica Acta*, **2016**, 183, 345-352	5.8	17
53	Protein-imprinted material for the treatment of antibiotic-resistant bacteria. *Science Bulletin*, **2016**, 61, 1890-1891	10.6	5
52	Boronic Acid-Functionalized Particles with Flexible Three-Dimensional Polymer Branch for Highly Specific Recognition of Glycoproteins. *ACS Applied Materials & Interfaces*, **2016**, 8, 9552-6	9.5	47
51	Multiepitope Templates Imprinted Particles for the Simultaneous Capture of Various Target Proteins. *Analytical Chemistry*, **2016**, 88, 5621-5	7.8	32
50	Glycan Moieties as Bait to Fish Plasma Membrane Proteins. *Analytical Chemistry*, **2016**, 88, 5065-71	7.8	6
49	Synthesis of Zwitterionic Polymer Particles via Combined Distillation Precipitation Polymerization and Click Chemistry for Highly Efficient Enrichment of Glycopeptide. *ACS Applied Materials & Interfaces*, **2016**, 8, 22018-24	9.5	37
48	Polyethyleneimine-modified graphene oxide nanocomposites for effective protein functionalization. *Nanoscale*, **2015**, 7, 14284-91	7.7	36
47	Surface-imprinted nanoparticles prepared with a His-tag-anchored epitope as the template. *Analytical Chemistry*, **2015**, 87, 4617-20	7.8	58
46	Glycoprotein recognition by water-compatible core-shell polymeric submicron particles. *Journal of Materials Chemistry B*, **2015**, 3, 3927-3930	7.3	7
45	Dandelion-like core□hell silica microspheres with hierarchical pores. *RSC Advances*, **2015**, 5, 26269-26272	3.7	9

44	An efficient approach to prepare boronate core-shell polymer nanoparticles for glycoprotein recognition via combined distillation precipitation polymerization and RAFT media precipitation polymerization. *Chemical Communications*, **2015**, 51, 3896-8	5.8	44
43	A rapid protein sample preparation method based on organic-aqueous microwave irradiation technique. *Science China Chemistry*, **2015**, 58, 526-531	7.9	2
42	Preparation of protein imprinted materials by hierarchical imprinting techniques and application in selective depletion of albumin from human serum. *Scientific Reports*, **2014**, 4, 5487	4.9	49
41	Dendrimer-grafted graphene oxide nanosheets as novel support for trypsin immobilization to achieve fast on-plate digestion of proteins. *Talanta*, **2014**, 122, 278-84	6.2	37
40	Epitope imprinted polyethersulfone beads by self-assembly for target protein capture from the plasma proteome. *Chemical Communications*, **2014**, 50, 9521-4	5.8	47
39	New GO-PEI-Au-L-Cys ZIC-HILIC composites: synthesis and selective enrichment of glycopeptides. *Nanoscale*, **2014**, 6, 5616-9	7.7	85
38	1-Dodecyl-3-methylimidazolium chloride-assisted sample preparation method for efficient integral membrane proteome analysis. *Analytical Chemistry*, **2014**, 86, 7544-50	7.8	42
37	Monodisperse boronate polymeric particles synthesized by a precipitation polymerization strategy: particle formation and glycoprotein response from the standpoint of the Flory-Huggins model. *ACS Applied Materials & Interfaces*, **2014**, 6, 2059-66	9.5	22
36	Surface protein imprinted core-shell particles for high selective lysozyme recognition prepared by reversible addition-fragmentation chain transfer strategy. *ACS Applied Materials & Interfaces*, **2014**, 6, 21954-60	9.5	45
35	Decrease of dynamic range of proteins in human plasma by ampholine immobilized polymer microspheres. *Analytica Chimica Acta*, **2014**, 826, 43-50	6.6	5
34	Transferrin recognition based on a protein imprinted material prepared by hierarchical imprinting technique. *Mikrochimica Acta*, **2013**, 180, 1379-1386	5.8	11
33	1-(3-aminopropyl)-3-butylimidazolium bromide for carboxyl group derivatization: potential applications in high sensitivity peptide identification by mass spectrometry. *Science China Life Sciences*, **2013**, 56, 240-5	8.5	4
32	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. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 703-10	4.4	25
31	Hydrophilic immobilized trypsin reactor with magnetic graphene oxide as support for high efficient proteome digestion. *Journal of Chromatography A*, **2012**, 1254, 8-13	4.5	79
30	Boronic Acid functionalized core-shell polymer nanoparticles prepared by distillation precipitation polymerization for glycopeptide enrichment. *Chemistry - A European Journal*, **2012**, 18, 9056-62	4.8	95
29	Synthesis of adenosine functionalized metal immobilized magnetic nanoparticles for highly selective and sensitive enrichment of phosphopeptides. *Chemical Communications*, **2012**, 48, 6274-6	5.8	77
28	Mesoporous TiO2 aerogel for selective enrichment of phosphopeptides in rat liver mitochondria. *Analytica Chimica Acta*, **2012**, 729, 26-35	6.6	30
27	Aptamer modified organic-inorganic hybrid silica monolithic capillary columns for highly selective recognition of thrombin. *Analytical Chemistry*, **2012**, 84, 10186-90	7.8	76

26	Protein-imprinted materials: rational design, application and challenges. *Analytical and Bioanalytical Chemistry*, **2012**, 403, 2173-83	4.4	80
25	High throughput tryptic digestion via poly (acrylamide-co-methylenebisacrylamide) monolith based immobilized enzyme reactor. *Talanta*, **2011**, 83, 1748-53	6.2	34
24	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. *Talanta*, **2011**, 86, 429-35	6.2	8
23	Zirconium oxide aerogel for effective enrichment of phosphopeptides with high binding capacity. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 3399-405	4.4	21
22	A novel organic-inorganic hybrid monolith for trypsin immobilization. *Science China Life Sciences*, **2011**, 54, 54-9	8.5	12
21	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. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 639-46	2.2	12
20	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. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 1257-65	2.2	16
19	Facile preparation of monolithic immobilized metal affinity chromatography capillary columns for selective enrichment of phosphopeptides. *Journal of Separation Science*, **2011**, 34, 2122-30	3.4	13
18	Preparation of a new type of affinity materials combining metal coordination with molecular imprinting. *Chemical Communications*, **2011**, 47, 3969-71	5.8	82
17	Self-Assembly Molecularly Imprinted Nanofiber for 4-HA Recognition. *Analytical Letters*, **2010**, 43, 2790-2797	2.2	13
16	Macroporous molecularly imprinted monolithic polymer columns for protein recognition by liquid chromatography. *Journal of Separation Science*, **2010**, 33, 2757-61	3.4	32
15	Molecularly imprinted porous polysulfone particles for the binding and recognition of bisphenol A. *Desalination*, **2009**, 245, 232-245	10.3	13
14	One-Pot Synthesis of Hydrophilic Molecularly Imprinted Nanoparticles. *Macromolecules*, **2009**, 42, 8739-8746	5.8	109
13	Effect of the template molecules and nonsolvent additives on the recognition property of molecular imprinted polyethersulfone particles. *Journal of Applied Polymer Science*, **2008**, 108, 3859-3866	2.9	18
12	BPA transfer rate increase using molecular imprinted polyethersulfone hollow fiber membrane. *Journal of Membrane Science*, **2008**, 310, 38-43	9.6	33
11	Preparation and selective binding characterization of Bisphenol A imprinted polyethersulfone particles. *Journal of Applied Polymer Science*, **2007**, 106, 2791-2799	2.9	13
10	Polyethersulfone dead-end tube as a scaffold for artificial lacrimal glands in vitro. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2006**, 78, 409-16	3.5	14
9	Polysulfone-Activated Carbon Hybrid Particles for the Removal of BPA. *Separation Science and Technology*, **2006**, 41, 515-529	2.5	16

8	Molecularly imprinted polyethersulfone microspheres for the binding and recognition of bisphenol A. *Analytica Chimica Acta*, **2005**, 546, 30-36	6.6	62
7	Preparation of DNA-encapsulated polyethersulfone hollow microspheres for organic compounds and heavy metal ions removal. *Desalination*, **2005**, 175, 297-304	10.3	19
6	DNA-loaded porous polyethersulfone particles for environmental applications I. preparation. *Journal of Applied Polymer Science*, **2005**, 98, 1668-1673	2.9	17
5	DNA-loaded porous polyethersulfone particles for environmental applications II. Utilization. *Journal of Applied Polymer Science*, **2005**, 98, 1674-1678	2.9	11
4	Characterization of DNA-loaded porous polyethersulfone particles prepared by phase inversion technique. *Colloid Journal*, **2005**, 67, 140-145	1.1	8
3	Preparation of DNA Hybrid Polyethersulfone Microspheres for Endocrine Disruptor Removal. *Key Engineering Materials*, **2005**, 288-289, 113-116	0.4	1
2	Preparation of porous polysulfone beads for selective removal of endocrine disruptors. *Separation and Purification Technology*, **2004**, 40, 297-302	8.3	41
1	DNA-immobilized porous polysulfone beads for organic compounds and heavy metal ion removal. *Desalination*, **2004**, 170, 263-270	10.3	9