Yuzhi Wang

List of Publications by Citations

79 papers	3,211 citations	34 h-index	54 g-index
80 ext. papers	3,720 ext. citations	5.5 avg, IF	5.51 L-index

#	Paper	IF	Citations
79	A green deep eutectic solvent-based aqueous two-phase system for protein extracting. *Analytica Chimica Acta*, **2015**, 864, 9-20	6.6	180
78	Development of green betaine-based deep eutectic solvent aqueous two-phase system for the extraction of protein. *Talanta*, **2016**, 152, 23-32	6.2	171
77	Deep eutectic solvents as novel extraction media for protein partitioning. *Analyst, The*, **2014**, 139, 2565-73	5	153
76	Polydopamine-based molecular imprinting on silica-modified magnetic nanoparticles for recognition and separation of bovine hemoglobin. *Analyst, The*, **2013**, 138, 651-8	5	149
75	Analysis of Flavonoids in Portulaca oleracea L. by UV–Vis Spectrophotometry with Comparative Study on Different Extraction Technologies. *Food Analytical Methods*, **2010**, 3, 90-97	3.4	131
74	Ionic liquid-based microwave-assisted extraction of rutin from Chinese medicinal plants. *Talanta*, **2010**, 83, 582-90	6.2	121
73	Magnetic graphene oxide modified with choline chloride-based deep eutectic solvent for the solid-phase extraction of protein. *Analytica Chimica Acta*, **2015**, 877, 90-9	6.6	114
72	Self-Healing Polymeric Hydrogel Formed by Metal-Ligand Coordination Assembly: Design, Fabrication, and Biomedical Applications. *Macromolecular Rapid Communications*, **2019**, 40, e1800837	4.8	106
71	Magnetic deep eutectic solvents molecularly imprinted polymers for the selective recognition and separation of protein. *Analytica Chimica Acta*, **2016**, 936, 168-78	6.6	101
70	Preparation of magnetic chitosan and graphene oxide-functional guanidinium ionic liquid composite for the solid-phase extraction of protein. *Analytica Chimica Acta*, **2015**, 861, 36-46	6.6	84
69	Magnetic solid-phase extraction of protein with deep eutectic solvent immobilized magnetic graphene oxide nanoparticles. *Talanta*, **2016**, 148, 153-62	6.2	75
68	Extraction of proteins with ionic liquid aqueous two-phase system based on guanidine ionic liquid. *Talanta*, **2013**, 116, 409-16	6.2	74
67	Design of functional guanidinium ionic liquid aqueous two-phase systems for the efficient purification of protein. *Analytica Chimica Acta*, **2014**, 815, 22-32	6.6	68
66	A novel poly(deep eutectic solvent)-based magnetic silica composite for solid-phase extraction of trypsin. *Analytica Chimica Acta*, **2016**, 946, 64-72	6.6	58
65	Bovine serum albumin recognition via thermosensitive molecular imprinted macroporous hydrogels prepared at two different temperatures. *Analytica Chimica Acta*, **2012**, 723, 45-53	6.6	57
64	Preparation of molecular imprinted polymers using bi-functional monomer and bi-crosslinker for solid-phase extraction of rutin. *Talanta*, **2012**, 93, 172-81	6.2	56
63	Application of ionic liquids in the microwave-assisted extraction of podophyllotoxin from Chinese herbal medicine. *Analyst, The*, **2011**, 136, 2294-305	5	55

62	Extraction and separation of proteins by ionic liquid aqueous two-phase system. *Analyst, The*, **2013**, 138, 6445-53	5	54
61	Aqueous biphasic systems containing PEG-based deep eutectic solvents for high-performance partitioning of RNA. *Talanta*, **2017**, 170, 266-274	6.2	51
60	Magnetic solid-phase extraction for the removal of mercury from water with ternary hydrosulphonyl-based deep eutectic solvent modified magnetic graphene oxide. *Talanta*, **2018**, 188, 454-462	6.2	47
59	Preparation of magnetic molecularly imprinted polymers based on a deep eutectic solvent as the functional monomer for specific recognition of lysozyme. *Mikrochimica Acta*, **2018**, 185, 146	5.8	46
58	Ionic liquid-coated Fe3O4/APTES/graphene oxide nanocomposites: synthesis, characterization and evaluation in protein extraction processes. *RSC Advances*, **2016**, 6, 5718-5728	3.7	45
57	Ternary and binary deep eutectic solvents as a novel extraction medium for protein partitioning. *Analytical Methods*, **2016**, 8, 8196-8207	3.2	43
56	The preparation of magnetic molecularly imprinted nanoparticles for the recognition of bovine hemoglobin. *Talanta*, **2014**, 120, 376-85	6.2	42
55	Identification of Portulaca oleracea L. from different sources using GC-MS and FT-IR spectroscopy. *Talanta*, **2010**, 81, 129-35	6.2	42
54	Fabrication of magnetic polymers based on deep eutectic solvent for separation of bovine hemoglobin via molecular imprinting technology. *Analytica Chimica Acta*, **2019**, 1048, 1-11	6.6	42
53	Magnetic solid-phase extraction of protein by ionic liquid-coated Fe@graphene oxide. *Talanta*, **2016**, 160, 481-488	6.2	40
52	Poly(deep eutectic solvent)-functionalized magnetic metal-organic framework composites coupled with solid-phase extraction for the selective separation of cationic dyes. *Analytica Chimica Acta*, **2019**, 1056, 47-61	6.6	40
51	Magnetic-graphene based molecularly imprinted polymer nanocomposite for the recognition of bovine hemoglobin. *Talanta*, **2015**, 144, 411-9	6.2	39
50	Preparation of ionic liquid modified magnetic metal-organic frameworks composites for the solid-phase extraction of chymotrypsin. *Talanta*, **2018**, 182, 484-491	6.2	39
49	A novel aqueous biphasic system formed by deep eutectic solvent and ionic liquid for DNA partitioning. *Talanta*, **2018**, 189, 467-479	6.2	38
48	Molecularly imprinted polymer for solid-phase extraction of rutin in complicated traditional Chinese medicines. *Analyst, The*, **2011**, 136, 756-63	5	38
47	Development and characterization of molecularly imprinted polymers for the selective enrichment of podophyllotoxin from traditional Chinese medicines. *Analytica Chimica Acta*, **2011**, 695, 63-72	6.6	38
46	Partition of proteins with extraction in aqueous two-phase system by hydroxyl ammonium-based ionic liquid. *Analytical Methods*, **2014**, 6, 4067-4076	3.2	37
45	ILs-based microwave-assisted extraction coupled with aqueous two-phase for the extraction of useful compounds from Chinese medicine. *Analyst, The*, **2012**, 137, 4076-85	5	33

44	Adsorption of pharmaceuticals and personal care products by deep eutectic solvents-regulated magnetic metal-organic framework adsorbents: Performance and mechanism. *Chemical Engineering Journal*, **2020**, 392, 124808	14.7	31
43	Aqueous biphasic systems formed by deep eutectic solvent and new-type salts for the high-performance extraction of pigments. *Talanta*, **2018**, 181, 210-216	6.2	31
42	Creating magnetic ionic liquid-molecularly imprinted polymers for selective extraction of lysozyme.. *RSC Advances*, **2018**, 8, 21850-21856	3.7	31
41	High-performance of deep eutectic solvent based aqueous bi-phasic systems for the extraction of DNA. *RSC Advances*, **2016**, 6, 84406-84414	3.7	30
40	Preparation of magnetic mixed-templates molecularly imprinted polymer for the separation of tetracycline antibiotics from egg and honey samples. *Analytical Methods*, **2012**, 4, 1005	3.2	28
39	A novel polymeric ionic liquid-coated magnetic multiwalled carbon nanotubes for the solid-phase extraction of Cu, Zn-superoxide dismutase. *Analytica Chimica Acta*, **2016**, 939, 54-63	6.6	28
38	A novel dianionic amino acid ionic liquid-coated PEG 4000 modified FeO nanocomposite for the magnetic solid-phase extraction of trypsin. *Talanta*, **2017**, 174, 139-147	6.2	26
37	Magnetic multiwall carbon nanotubes modified with dual hydroxy functional ionic liquid for the solid-phase extraction of protein. *Analyst, The*, **2015**, 140, 3474-83	5	26
36	Ionic liquids skeleton typed magnetic core-shell molecularly imprinted polymers for the specific recognition of lysozyme. *Analytica Chimica Acta*, **2019**, 1081, 81-92	6.6	26
35	Thermosensitive molecularly imprinted hydrogel cross-linked with N-malely chitosan for the recognition and separation of BSA. *Journal of Separation Science*, **2014**, 37, 419-26	3.4	26
34	Magnetic solid-phase extraction of proteins based on hydroxy functional ionic liquid-modified magnetic nanoparticles. *Analytical Methods*, **2014**, 6, 8358-8367	3.2	23
33	Ionic liquid modified molybdenum disulfide and reduced graphene oxide magnetic nanocomposite for the magnetic separation of dye from aqueous solution. *Analytica Chimica Acta*, **2019**, 1054, 47-58	6.6	23
32	Development of deep eutectic solvent-based aqueous biphasic system for the extraction of lysozyme. *Talanta*, **2019**, 202, 1-10	6.2	22
31	Choline-like ionic liquid-based aqueous two-phase extraction of selected proteins. *Analytical Methods*, **2013**, 5, 3395	3.2	22
30	Aqueous biphasic systems formed by hydrophilic and hydrophobic deep eutectic solvents for the partitioning of dyes. *Talanta*, **2020**, 213, 120839	6.2	21
29	Development and characterization of molecularly imprinted polymer microspheres for the selective detection of in traditional Chinese medicines. *Analytical Methods*, **2011**, 3, 348-355	3.2	21
28	Solid-phase extraction of DNA by using a composite prepared from multiwalled carbon nanotubes, chitosan, Fe3O4 and a poly(ethylene glycol)-based deep eutectic solvent. *Mikrochimica Acta*, **2017**, 184, 4133-4140	5.8	20
27	Adsorption and specific recognition of DNA by using imprinted polymer layers grafted onto ionic liquid functionalized magnetic microspheres. *Mikrochimica Acta*, **2017**, 184, 4433-4441	5.8	19

26	A new magnetic molecularly imprinted polymer based on deep eutectic solvents as functional monomer and cross-linker for specific recognition of bovine hemoglobin. *Analytica Chimica Acta*, **2020**, 1129, 49-59	6.6	19
25	Silica-based surface molecular imprinting for recognition and separation of lysozymes. *Analytical Methods*, **2014**, 6, 8584-8591	3.2	18
24	Ultrasonically Assisted Extraction of Rutin from Artemisia selengensis Turcz: Comparison with Conventional Extraction Techniques. *Food Analytical Methods*, **2010**, 3, 261-268	3.4	17
23	Magnetic carbon nanotube modified with polymeric deep eutectic solvent for the solid phase extraction of bovine serum albumin. *Talanta*, **2020**, 206, 120215	6.2	17
22	Synthesis of modified chitosan-based molecularly imprinted polymers for adsorptive protein separation. *Analytical Methods*, **2013**, 5, 5471	3.2	16
21	Application of ionic liquids in the microwave-assisted extraction of quercetin from Chinese herbal medicine. *Analytical Methods*, **2012**, 4, 1012	3.2	15
20	Development of different deep eutectic solvent aqueous biphasic systems for the separation of proteins.. *RSC Advances*, **2019**, 9, 14116-14125	3.7	14
19	First Investigation of the Micelles Forming in a Novel Deep Eutectic Solvents-Based Aqueous Micellar Two-Phase System: Partitioning of Cationic/Neutral/Anionic Pigments. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6078-6092	8.3	14
18	A composite consisting of a deep eutectic solvent and dispersed magnetic metal-organic framework (type UiO-66-NH) for solid-phase extraction of RNA. *Mikrochimica Acta*, **2019**, 187, 58	5.8	14
17	Fingerprint profile of active components for Andrographis paniculata Nees by HPLC-DAD. *Sensing and Instrumentation for Food Quality and Safety*, **2009**, 3, 165-179		12
16	Chitosan nanoparticle carrier based on surface molecularly imprinted polymers for the recognition and separation of proteins. *RSC Advances*, **2015**, 5, 106197-106205	3.7	11
15	Design of guanidinium ionic liquid based microwave-assisted extraction for the efficient extraction of Praeruptorin A from Radix peucedani. *Journal of Separation Science*, **2014**, 37, 3539-47	3.4	11
14	The synthesis of imprinted polymers based on Fe3O4 nanomaterials and the recognition of proteins. *Analytical Methods*, **2015**, 7, 10018-10025	3.2	9
13	Design and performance evaluation of ionic liquid-based microwave-assisted simultaneous extraction of kaempferol and quercetin from Chinese medicinal plants. *Analytical Methods*, **2013**, 5, 2591	3.2	9
12	The solid-phase extraction of α-chymotrypsin based on a novel porous polymeric dianionic ionic liquid-coated magnetic material. *RSC Advances*, **2017**, 7, 53203-53209	3.7	7
11	Screening and Identification of Antioxidant Components in the Extract of Puerariae radix Using HPLC Coupled with MS. *Food Analytical Methods*, **2011**, 4, 373-380	3.4	7
10	A composite prepared from MnO nanosheets and a deep eutectic solvent as an oxidase mimic for the colorimetric determination of DNA. *Mikrochimica Acta*, **2019**, 187, 7	5.8	7
9	A deep eutectic solvent modified magnetic β-cyclodextrin particle for solid-phase extraction of trypsin. *Analytica Chimica Acta*, **2020**, 1137, 125-135	6.6	6

8	Specific recognition of protein by deep eutectic solvent-based magnetic β-cyclodextrin molecularly imprinted polymer. *Mikrochimica Acta*, **2021**, 188, 232	5.8	5
7	Fabrication of a novel bio-sorbent based on magnetic β-cyclodextrin composites modified by polymeric deep eutectic solvent for the efficient separation of Ovalbumin. *Separation and Purification Technology*, **2021**, 264, 118422	8.3	5
6	A novel"turn-off"fluorescence assay based on acid-copper nanoclusters in deep eutectic solvent micelles for co-aggregation inducing fluorescence enhancement and its application. *Talanta*, **2021**, 223, 121731	6.2	5
5	A green deep eutectic solvent modified magnetic titanium dioxide nanoparticles for the solid-phase extraction of chymotrypsin. *Talanta*, **2021**, 230, 122341	6.2	4
4	Constructing a phase-controllable aqueous biphasic system by using deep eutectic solvent as adjuvant. *Separation and Purification Technology*, **2021**, 256, 117812	8.3	3
3	Fabrication of di-selective adsorption platform based on deep eutectic solvent stabilized magnetic polydopamine: Achieving di-selectivity conversion through adding CaCl2. *Chemical Engineering Journal*, **2021**, 421, 127815	14.7	2
2	Construction of ionic liquid-crosslinked magnetic surface-imprinted polymers for selective recognition of lysozyme. *Microchemical Journal*, **2022**, 179, 107522	4.8	1
1	Excellent performance separation of trypsin by novel ternary magnetic composite adsorbent based on betaine-urea- glycerol natural deep eutectic solvent modified MnFe2O4-MWCNTs. *Talanta*, **2022**, 248, 123566	6.2	1