Yanyan Zhao

List of Publications by Year in Descending Order

67 papers	1,332 citations	22 h-index	33 g-index
86 ext. papers	1,709 ext. citations	6.9 avg, IF	4.53 L-index

#	Paper	IF	Citations
67	Enrichment of IgG and HRP glycoprotein by dipeptide-based polymeric material.. *Talanta*, **2022**, 241, 123223	6.2	1
66	Recent advances in fluorescent probes for lipid droplets.. *Chemical Communications*, **2022**,	5.8	11
65	Xanthene-Based NIR-II Dyes for Dynamic Imaging of Blood Circulation. *Journal of the American Chemical Society*, **2021**, 143, 17136-17143	16.4	20
64	Hengshun Aromatic Vinegar Ameliorates Vascular Endothelial Injury Regulating PKC□Mediated Oxidative Stress and Apoptosis. *Frontiers in Nutrition*, **2021**, 8, 635232	6.2	0
63	Unusual Nanofractal Microparticles for Rapid Protein Capture and Release. *Small*, **2021**, 17, e2102802	11	2
62	Simultaneous determination of capsid proteins in nine-valent human papilloma virus vaccines by liquid chromatography tandem mass spectrometry. *Journal of Separation Science*, **2021**, 44, 557-564	3.4	1
61	Protective effects of dioscin on vascular remodeling in pulmonary arterial hypertension via adjusting GRB2/ERK/PI3K-AKT signal. *Biomedicine and Pharmacotherapy*, **2021**, 133, 111056	7.5	7
60	Comprehensive O-Glycosylation Analysis of the SARS-CoV-2 Spike Protein with Biomimetic Trp-Arg Materials. *Analytical Chemistry*, **2021**, 93, 10444-10452	7.8	5
59	Deciphering the O-Glycosylation of HKU1 Spike Protein With the Dual-Functional Hydrophilic Interaction Chromatography Materials. *Frontiers in Chemistry*, **2021**, 9, 707235	5	1
58	TiO Simultaneous Enrichment, On-Line Deglycosylation, and Sequential Analysis of Glyco- and Phosphopeptides. *Frontiers in Chemistry*, **2021**, 9, 703176	5	0
57	Simultaneous quantification of spike and nucleocapsid protein in inactivated COVID-19 vaccine bulk by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2021**, 1181, 122884	3.2	1
56	A tumor-targeted near-infrared fluorescent probe for HNO and its application to the real-time monitoring of HNO release. *Chemical Communications*, **2021**, 57, 5063-5066	5.8	10
55	An endoplasmic reticulum-targeting fluorescent probe for imaging □OH in living cells. *Chemical Communications*, **2020**, 56, 6344-6347	5.8	11
54	High-Efficiency Phosphopeptide and Glycopeptide Simultaneous Enrichment by Hydrogen Bond-based Bifunctional Smart Polymer. *Analytical Chemistry*, **2020**, 92, 6269-6277	7.8	17
53	What Is Hidden Behind Schiff Base Hydrolysis? Dynamic Covalent Chemistry for the Precise Capture of Sialylated Glycans. *Journal of the American Chemical Society*, **2020**, 142, 7627-7637	16.4	12
52	Selective enrichment of sialylated glycopeptides with mesoporous poly-melamine-formaldehyde (mPMF) material. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 1497-1508	4.4	3
51	Evaluation of chiral separation based on bovine serum albumin-conjugated carbon nanotubes as stationary phase in capillary electrochromatography. *Electrophoresis*, **2020**, 41, 1253-1260	3.6	10

50	The effects of manufacture processes on post-translational modifications of bioactive proteins in pertussis vaccine. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 190, 113536	3.5	0
49	Highly Efficient Separation of Methylated Peptides Utilizing Selective Complexation between Lysine and 18-Crown-6. *Analytical Chemistry*, **2020**, 92, 15663-15670	7.8	3
48	Recent advances in hydrophilic interaction liquid interaction chromatography materials for glycopeptide enrichment and glycan separation. *TrAC - Trends in Analytical Chemistry*, **2020**, 124, 115570	14.6	49
47	Smart polymer-based calcium-ion self-regulated nanochannels by mimicking the biological Ca2+-induced Ca2+ release process. *NPG Asia Materials*, **2019**, 11,	10.3	12
46	FABP4 contributes to renal interstitial fibrosis via mediating inflammation and lipid metabolism. *Cell Death and Disease*, **2019**, 10, 382	9.8	29
45	pH-Regulated Heterostructure Porous Particles Enable Similarly Sized Protein Separation. *Advanced Materials*, **2019**, 31, e1900391	24	22
44	Smart polymers driven by multiple and tunable hydrogen bonds for intact phosphoprotein enrichment. *Science and Technology of Advanced Materials*, **2019**, 20, 858-869	7.1	6
43	Quantitative determination of bioactive proteins in diphtheria tetanus acellular pertussis (DTaP) vaccine by liquid chromatography tandem mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 169, 30-40	3.5	6
42	Interfacially Polymerized Particles with Heterostructured Nanopores for Glycopeptide Separation. *Advanced Materials*, **2018**, 30, e1803299	24	35
41	Novel nanoporous covalent organic frameworks for the selective extraction of endogenous peptides.. *RSC Advances*, **2018**, 8, 37528-37533	3.7	8
40	Selective enrichment of sialylated glycopeptides with a d-allose@SiO matrix.. *RSC Advances*, **2018**, 8, 38780-38786	3.7	5
39	Potent effects of dioscin against pancreatic cancer via miR-149-3P-mediated inhibition of the Akt1 signalling pathway. *British Journal of Pharmacology*, **2017**, 174, 553-568	8.6	49
38	Sialic Acid-Responsive Polymeric Interface Material: From Molecular Recognition to Macroscopic Property Switching. *Scientific Reports*, **2017**, 7, 40913	4.9	5
37	New Opportunities and Challenges of Smart Polymers in Post-Translational Modification Proteomics. *Advanced Materials*, **2017**, 29, 1604670	24	32
36	In-Depth Analysis of Glycoprotein Sialylation in Serum Using a Dual-Functional Material with Superior Hydrophilicity and Switchable Surface Charge. *Analytical Chemistry*, **2017**, 89, 3966-3972	7.8	33
35	Protective effects of dioscin against cisplatin-induced nephrotoxicity via the microRNA-34a/sirtuin 1 signalling pathway. *British Journal of Pharmacology*, **2017**, 174, 2512-2527	8.6	55
34	Proteomics: New Opportunities and Challenges of Smart Polymers in Post-Translational Modification Proteomics (Adv. Mater. 20/2017). *Advanced Materials*, **2017**, 29,	24	3
33	Hydrogen bond based smart polymer for highly selective and tunable capture of multiply phosphorylated peptides. *Nature Communications*, **2017**, 8, 461	17.4	51

32	Dioscin induces prostate cancer cell apoptosis through activation of estrogen receptor-α. *Cell Death and Disease*, **2017**, 8, e2989	9.8	38
31	Dioscin attenuates gastric ischemia/reperfusion injury through the down-regulation of PKC/ERK1/2 signaling via PKCδ and PKCζ inhibition. *Chemico-Biological Interactions*, **2016**, 258, 234-44	5	17
30	Investigation of oxygen vacancies on Pt- or Au-modified CeO2 materials for CO oxidation. *RSC Advances*, **2016**, 6, 70653-70659	3.7	13
29	Total Flavonoids from Rosa laevigata Michx Fruit Ameliorates Hepatic Ischemia/Reperfusion Injury through Inhibition of Oxidative Stress and Inflammation in Rats. *Nutrients*, **2016**, 8,	6.7	41
28	Bioinspired Saccharide-Saccharide Interaction and Smart Polymer for Specific Enrichment of Sialylated Glycopeptides. *ACS Applied Materials & Interfaces*, **2016**, 8, 13294-302	9.5	32
27	Dioscin reduces lipopolysaccharide-induced inflammatory liver injury via regulating TLR4/MyD88 signal pathway. *International Immunopharmacology*, **2016**, 36, 132-141	5.8	56
26	Dipeptide-Based Carbohydrate Receptors and Polymers for Glycopeptide Enrichment and Glycan Discrimination. *ACS Applied Materials & Interfaces*, **2016**, 8, 22084-92	9.5	25
25	Enhanced multi-phosphopeptide enrichment and Nano LC-ESI-qTOF-MS detection strategy using click OEG-CD matrix. *Chemical Research in Chinese Universities*, **2015**, 31, 44-52	2.2	2
24	In-silico prediction of drug targets, biological activities, signal pathways and regulating networks of dioscin based on bioinformatics. *BMC Complementary and Alternative Medicine*, **2015**, 15, 41	4.7	13
23	Potent effects of dioscin against obesity in mice. *Scientific Reports*, **2015**, 5, 7973	4.9	60
22	Sequential enrichment of singly- and multiply-phosphorylated peptides with zwitterionic hydrophilic interaction chromatography material. *Journal of Chromatography A*, **2015**, 1413, 47-59	4.5	3
21	Dioscin attenuates renal ischemia/reperfusion injury by inhibiting the TLR4/MyD88 signaling pathway via up-regulation of HSP70. *Pharmacological Research*, **2015**, 100, 341-52	10.2	62
20	Disaccharide-driven transition of macroscopic properties: from molecular recognition to glycopeptide enrichment. *Chemical Communications*, **2015**, 51, 16111-4	5.8	10
19	Dioscin alleviates alcoholic liver fibrosis by attenuating hepatic stellate cell activation via the TLR4/MyD88/NF-κB signaling pathway. *Scientific Reports*, **2015**, 5, 18038	4.9	72
18	Surface Stiffness--a Parameter for Sensing the Chirality of Saccharides. *ACS Applied Materials & Interfaces*, **2015**, 7, 27223-33	9.5	18
17	iTRAQ-based proteomics for studying the effects of dioscin against nonalcoholic fatty liver disease in rats. *RSC Advances*, **2014**, 4, 30704	3.7	33
16	Effective 2D-RPLC/RPLC enrichment and separation of micro-components from Hedyotis diffusa Willd. and characterization by using ultra-performance liquid chromatography/quadrupole time-of-flight mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 99, 35-44	3.5	20
15	Efficient enrichment of glycopeptides using phenylboronic acid polymer brush modified silica microspheres. *Journal of Materials Chemistry B*, **2014**, 2, 2276-2281	7.3	24

14	A dextran-bonded stationary phase for saccharide separation. *Journal of Chromatography A*, **2014**, 1345, 57-67	4.5	18
13	Potent effects of flavonoid-rich extract from Rosa laevigata Michx fruit against hydrogen peroxide-induced damage in PC12 cells via attenuation of oxidative stress, inflammation and apoptosis. *Molecules*, **2014**, 19, 11816-32	4.8	35
12	Total saponins from Rosa laevigata Michx fruit attenuates hepatic steatosis induced by high-fat diet in rats. *Food and Function*, **2014**, 5, 3065-3075	6.1	11
11	Click aspartic acid as H ILIC SPE material for selective enrichment of N-linked glycopeptides. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2013**, 941, 45-9	3.2	11
10	Retention mechanism and enrichment of glycopeptides on titanium dioxide. *Analytical Methods*, **2013**, 5, 7072	3.2	16
9	Phosphopeptide enrichment and fractionation by using Click OEG-CD matrix. *Analytical Methods*, **2012**, 4, 1244	3.2	5
8	Sequential elution of multiply and singly phosphorylated peptides with polar-copolymerized mixed-mode RP18/SCX material. *Analyst, The*, **2012**, 137, 2774-6	5	17
7	Reversed-phase depletion coupled with hydrophilic affinity enrichment for the selective isolation of N-linked glycopeptides by using Click OEG-CD matrix. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 3359-65	4.4	30
6	Click maltose as an alternative to reverse phase material for desalting glycopeptides. *Analyst, The*, **2011**, 136, 4075-82	5	18
5	Selective enrichment of N-linked glycopeptides by using a highly hydrophilic matrix synthesized via click chemistry. *Analytical Methods*, **2010**, 2, 1667	3.2	17
4	Off-line 2-D RPLC/RPLC method for separation of components in Dalbergia odorifera T. Chen. *Journal of Separation Science*, **2010**, 33, 1224-30	3.4	10
3	Retention properties of novel beta-CD bonded stationary phases in reversed-phase HPLC mode. *Talanta*, **2009**, 78, 916-21	6.2	16
2	LC-MS/MS determination of naringin, hesperidin and neohesperidin in rat serum after orally administrating the decoction of Bulpleurum falcatum L. and Fractus aurantii. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 34, 159-66	3.5	61
1	Emerging Nanoporous Materials for Biomolecule Separation. *Advanced Functional Materials*,2113153	15.6	1