Ren'an Wu

List of Publications by Year
in descending order

30 papers	1,332 citations	430754 18 h-index	434063 31 g-index
34 all docs	34 docs citations	34 times ranked	1752 citing authors

#	Article	IF	Citations
1	Recent development of monolithic stationary phases with emphasis on microscale chromatographic separation. Journal of Chromatography A, 2008, 1184, 369-392.	1.8	251
2	Oneâ€Step Scalable Fabrication of Grapheneâ€Integrated Microâ€Supercapacitors with Remarkable Flexibility and Exceptional Performance Uniformity. Advanced Functional Materials, 2019, 29, 1902860.	7.8	104
3	Capillary Electrochromatography for Separation of Peptides Driven with Electrophoretic Mobility on Monolithic Column. Analytical Chemistry, 2001, 73, 4918-4923.	3.2	103
4	A poly(ethylene glycol)-brush decorated magnetic polymer for highly specific enrichment of phosphopeptides. Chemical Science, 2012, 3, 2828.	3.7	95
5	Dual-Metal Centered Zirconiumâ€“Organic Framework: A Metal-Affinity Probe for Highly Specific Interaction with Phosphopeptides. ACS Applied Materials & Interfaces, 2016, 8, 35012-35020.	4.0	77
6	Separation of peptides on mixed mode of reversed-phase and ion-exchange capillary electrochromatography with a monolithic column. Electrophoresis, 2002, 23, 1239-1245.	1.3	75
7	Nanoparticle size matters in the formation of plasma protein coronas on Fe3O4 nanoparticles. Colloids and Surfaces B: Biointerfaces, 2014, 121, 354-361.	2.5	71
8	Twoâ€Dimensional Tin Selenide (SnSe) Nanosheets Capable of Mimicking Key Dehydrogenases in Cellular Metabolism. Angewandte Chemie - International Edition, 2020, 59, 3618-3623.	7.2	58
9	Functionalized mesoporous carbon nanoparticles for targeted chemo-photothermal therapy of cancer cells under near-infrared irradiation. RSC Advances, 2014, 4, 33986-33997.	1.7	56
10	The impact of the number of layers of a graphene nanopore on DNA translocation. Soft Matter, 2013, 9, 960-966.	1.2	52
11	Metalâ€“organic frameworks in proteomics/peptidomics-A review. Analytica Chimica Acta, 2018, 1027, 9-21.	2.6	48
12	High Anti-Interfering Profiling of Endogenous Glycopeptides for Human Plasma by the Dual-Hydrophilic Metalâ€“Organic Framework. Analytical Chemistry, 2019, 91, 4852-4859.	3.2	44
13	Highly Specific Enrichment of Multi-phosphopeptides by the Diphosphorylated Fructose-Modified Dual-Metal-Centered Zirconiumâ€“Organic Framework. ACS Applied Materials & Interfaces, 2018, 10, 32613-32621.	4.0	38
14	Highly Porous Metal-Free Graphitic Carbon Derived from Metalâ€“Organic Framework for Profiling of N-Linked Glycans. ACS Applied Materials & Interfaces, 2018, 10, 11896-11906.	4.0	35
15	A multi-omics investigation of the molecular characteristics and classification of six metabolic syndrome relevant diseases. Theranostics, 2020, 10, 2029-2046.	4.6	35
16	A nano-bio interfacial protein corona on silica nanoparticle. Colloids and Surfaces B: Biointerfaces, 2018, 167, 220-228.	2.5	29
17	Self-assembly of MoS2 nanosheet adhered on Fe-MOF heterocrystals for peroxymonosulfate activation via interfacial interaction. Journal of Colloid and Interface Science, 2022, 608, 3098-3110.	5.0	22
18	The on-bead digestion of protein corona on nanoparticles by trypsin immobilized on the magnetic nanoparticle. Journal of Chromatography A, 2014, 1334, 55-63.	1.8	20

#	Article	IF	Citations
19	Preparation of organic-silica hybrid monolithic columns via crosslinking of functionalized mesoporous carbon nanoparticles for capillary liquid chromatography. Journal of Chromatography A, 2017, 1498, 64-71.	1.8	16
20	In Situ and Timed Extraction of Cellular Peptides from Live HeLa Cells by Photo-Switchable Mesoporous Silica Nanocarriers. Analytical Chemistry, 2016, 88, 8380-8384.	3.2	13
21	Biological characteristics of adipose tissueâ€derived stem cells labeled with amineâ€surfaceâ€modified superparamagnetic iron oxide nanoparticles. Cell Biology International, 2015, 39, 899-909.	1.4	11
22	Interlayer Water Regulates the Bio-nano Interface of a Î²-sheet Protein stacking on Graphene. Scientific Reports, 2015, 5, 7572.	1.6	11
23	One-Pot Approach to Prepare Organo-silica Hybrid Capillary Monolithic Column with Intact Mesoporous Silica Nanoparticle as Building Block. Scientific Reports, 2016, 6, 34718.	1.6	11
24	Facile one-pot synthesized hydrothermal carbon from cyclodextrin: A stationary phase for hydrophilic interaction liquid chromatography. Journal of Chromatography A, 2019, 1585, 144-151.	1.8	10
25	Reversible conversion between phosphine protected Au₆and Au₈nanoclusters under oxidative/reductive conditions. Nanoscale, 2017, 9, 2424-2427.	2.8	9
26	The efficient profiling of serum N-linked glycans by a highly porous 3D graphene composite. Analyst, The, 2019, 144, 5261-5270.	1.7	9
27	Twoâ€Ðimensional Tin Selenide (SnSe) Nanosheets Capable of Mimicking Key Dehydrogenases in Cellular Metabolism. Angewandte Chemie, 2020, 132, 3647-3652.	1.6	8
28	Microorganisms as bioâ€filters to mitigate greenhouse gas emissions from highâ€altitude permafrost revealed by nanoporeâ€based metagenomics. , 0, , .		8
29	One-pot hydrothermal cross-linking preparation of poly(vinylpyrrolidone) immobilized silica stationary phase for hydrophilic interaction chromatography. Journal of Chromatography A, 2020, 1633, 461656.	1.8	5
30	The synthesis and structure of the [PdAu₁₃(PPh₃)₃(SR)₇]⁺ nanocluster. Nanoscale, 2020, 12, 11825-11829.	2.8	1