Wei Jie Qin

List of Publications by Year
in descending order

46 papers	1,393 citations	331670 21 h-index	345221 36 g-index
48 all docs	48 docs citations	48 times ranked	1994 citing authors

#	Article	IF	Citations
1	Regulation of the Hippo-YAP Pathway by Glucose Sensor O-GlcNAcylation. Molecular Cell, 2017, 68, 591-604.e5.	9.7	197
2	A novel strategy for facile serum exosome isolation based on specific interactions between phospholipid bilayers and TiO₂. Chemical Science, 2019, 10, 1579-1588.	7.4	134
3	Trypsin Immobilization on Hairy Polymer Chains Hybrid Magnetic Nanoparticles for Ultra Fast, Highly Efficient Proteome Digestion, Facile ¹⁸O Labeling and Absolute Protein Quantification. Analytical Chemistry, 2012, 84, 3138-3144.	6.5	78
4	Imaging the disruption of phospholipid monolayer by protein-coated nanoparticles using ordering transitions of liquid crystals. Biomaterials, 2009, 30, 843-849.	11.4	61
5	Nanoparticle-based detection and quantification of DNA with single nucleotide polymorphism (SNP) discrimination selectivity. Nucleic Acids Research, 2007, 35, e111.	14.5	59
6	Preparation of Sequence-Controlled Triblock Copolymer-Grafted Silica Microparticles by Sequential-ATRP for Highly Efficient Glycopeptides Enrichment. Analytical Chemistry, 2015, 87, 656-662.	6.5	59
7	Development a hydrazide-functionalized thermosensitive polymer based homogeneous system for highly efficient N-glycoprotein/glycopeptide enrichment from human plasma exosome. Talanta, 2018, 186, 513-520.	5.5	52
8	A pH-responsive soluble polymer-based homogeneous system for fast and highly efficient N-glycoprotein/glycopeptide enrichment and identification by mass spectrometry. Chemical Science, 2015, 6, 4234-4241.	7.4	46
9	Nanoparticle-DNA Conjugates Bearing a Specific Number of Short DNA Strands by Enzymatic Manipulation of Nanoparticle-bound DNA. Langmuir, 2005, 21, 11330-11334.	3.5	41
10	Facile Preparation of Well-Defined Hydrophilic Coreâ€“Shell Upconversion Nanoparticles for Selective Cell Membrane Glycan Labeling and Cancer Cell Imaging. Analytical Chemistry, 2014, 86, 482-489.	6.5	41
11	Dual Matrix-Based Immobilized Trypsin for Complementary Proteolytic Digestion and Fast Proteomics Analysis with Higher Protein Sequence Coverage. Analytical Chemistry, 2014, 86, 1452-1458.	6.5	37
12	A dual-functional lanthanide nanoprobe for both living cell imaging and ICP-MS quantification of active protease. Chemical Science, 2016, 7, 2246-2250.	7.4	37
13	A Highly Efficient and Visualized Method for Glycan Enrichment by Self-Assembling Pyrene Derivative Functionalized Free Graphene Oxide. Analytical Chemistry, 2013, 85, 2703-2709.	6.5	36
14	A GSH Functionalized Magnetic Ultra-thin 2D-MoS2 nanocomposite for HILIC-based enrichment of N-glycopeptides from urine exosome and serum proteins. Analytica Chimica Acta, 2020, 1098, 181-189.	5.4	33
15	Surface Initiated Atom Transfer Radical Polymerization: Access to Three Dimensional Wavelike Polymer Structure Modified Capillary Columns for Online Phosphopeptide Enrichment. Analytical Chemistry, 2010, 82, 9461-9468.	6.5	29
16	Brush polymer modified and lectin immobilized coreâ€“shell microparticle for highly efficient glycoprotein/glycopeptide enrichment. Talanta, 2013, 115, 842-848.	5.5	27
17	HMGB1 bound to cisplatinâ€“DNA adducts undergoes extensive acetylation and phosphorylation in vivo. Chemical Science, 2015, 6, 2074-2078.	7.4	26
18	A rapid immobilized trypsin digestion combined with liquid chromatography â€“ Tandem mass spectrometry for the detection of milk allergens in baked food. Food Control, 2019, 102, 179-187.	5.5	26

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19	An Integrated Strategy for Mass Spectrometry-Based Multiomics Analysis of Single Cells. Analytical Chemistry, 2021, 93, 14059-14067.	6.5	26
20	Synthesis of a Highly Azide-Reactive and Thermosensitive Biofunctional Reagent for Efficient Enrichment and Large-Scale Identification of O-GlcNAc Proteins by Mass Spectrometry. Analytical Chemistry, 2017, 89, 5810-5817.	6.5	23
21	Synthesis of hydrazide-functionalized hydrophilic polymer hybrid graphene oxide for highly efficient N -glycopeptide enrichment and identification by mass spectrometry. Talanta, 2017, 171, 124-131.	5.5	23
22	Dimeric gold nanoparticle assembly for detection and discrimination of single nucleotide mutation in Duchenne muscular dystrophy. Biosensors and Bioelectronics, 2010, 25, 2021-2025.	10.1	22
23	Graphene based soft nanoreactors for facile â€œone-stepâ€•glycan enrichment and derivatization for MALDI-TOF-MS analysis. Talanta, 2013, 117, 1-7.	5.5	22
24	An Integrated Mass Spectroscopy Data Processing Strategy for Fast Identification, In-Depth, and Reproducible Quantification of Protein O-Glycosylation in a Large Cohort of Human Urine Samples. Analytical Chemistry, 2020, 92, 690-698.	6.5	21
25	A Proteomics Strategy for the Identification of FAT10-Modified Sites by Mass Spectrometry. Journal of Proteome Research, 2014, 13, 268-276.	3.7	20
26	Nanoparticle carrying a single probe for target DNA detection and single nucleotide discrimination. Biosensors and Bioelectronics, 2009, 25, 313-319.	10.1	19
27	A novel strategy for global mapping of O-GlcNAc proteins and peptides using selective enzymatic deglycosylation, HILIC enrichment and mass spectrometry identification. Talanta, 2017, 169, 195-202.	5.5	19
28	A triarylphosphineâ€“trimethylpiperidine reagent for the one-step derivatization and enrichment of protein post-translational modifications and identification by mass spectrometry. Chemical Communications, 2018, 54, 13790-13793.	4.1	19
29	Efficient Manipulation of Nanoparticle-Bound DNA via Restriction Endonuclease. Biomacromolecules, 2006, 7, 3047-3051.	5.4	16
30	Metalâ€“tag labeling coupled with multiple reaction monitoring-mass spectrometry for absolute quantitation of proteins. Analyst, The, 2013, 138, 5309.	3.5	15
31	Novel Two-Dimensional MoS₂â€“Ti⁴⁺ Nanomaterial for Efficient Enrichment of Phosphopeptides and Large-Scale Identification of Histidine Phosphorylation by Mass Spectrometry. Analytical Chemistry, 2020, 92, 12801-12808.	6.5	15
32	Determination of monoisotopic masses of chimera spectra from highâ€•resolution mass spectrometric data by use of isotopic peak intensity ratio modeling. Rapid Communications in Mass Spectrometry, 2012, 26, 1875-1886.	1.5	12
33	Sensitive Western-Blot Analysis of Azide-Tagged Protein Post Translational Modifications Using Thermoresponsive Polymer Self-Assembly. Analytical Chemistry, 2018, 90, 2186-2192.	6.5	12
34	A sensitive dual signal amplification method for western blotting based on antibody-functionalised graphene oxide and gold nanoparticles. Analyst, The, 2012, 137, 3620.	3.5	11
35	Spatiotemporal Activation of Protein O-GlcNAcylation in Living Cells. Journal of the American Chemical Society, 2022, 144, 4289-4293.	13.7	11
36	An RNA tagging approach for system-wide RNA-binding proteome profiling and dynamics investigation upon transcription inhibition. Nucleic Acids Research, 2021, 49, e65-e65.	14.5	10

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37	Synthesis of zwitterionic polymer modified graphene oxide for hydrophilic enrichment of N-glycopeptides from urine of healthy subjects and patients with lung adenocarcinoma. Talanta, 2022, 237, 122938.	5.5	9
38	A facile â€œone-materialâ€•strategy for tandem enrichment of small extracellular vesicles phosphoproteome. Talanta, 2021, 223, 121776.	5.5	8
39	Well-Defined Nanoassemblies Using Gold Nanoparticles Bearing Specific Number of DNA Strands. Bioconjugate Chemistry, 2008, 19, 385-390.	3.6	7
40	A fast sample processing strategy for large-scale profiling of human urine phosphoproteome by mass spectrometry. Talanta, 2018, 185, 166-173.	5.5	7
41	A sequential separation strategy for facile isolation and comprehensive analysis of human urine N-glycoproteome. Analytical and Bioanalytical Chemistry, 2018, 410, 7305-7312.	3.7	6
42	Preparation of polymer brushes grafted graphene oxide by atom transfer radical polymerization as a new support for trypsin immobilization and efficient proteome digestion. Analytical and Bioanalytical Chemistry, 2017, 409, 4741-4749.	3.7	6
43	An Ultrafast N-Glycoproteome Analysis Method Using Thermoresponsive Magnetic Fluid-Immobilized Enzymes. Frontiers in Chemistry, 2021, 9, 676100.	3.6	5
44	A chemical method for genome- and proteome-wide enrichment and O-GlcNAcylation profiling of chromatin-associated proteins. Talanta, 2022, 241, 123167.	5.5	5
45	Difference in â€œBase Pair to Terminiâ€•Affects the Enzymatic Digestion of Nanoparticle-Bonded DNA. Biomacromolecules, 2007, 8, 750-752.	5.4	1
46	Chemically labeled ThUBD permits rapid and super-sensitive imaging of polyubiquitination signals. Analyst, The, 2022, 147, 3434-3443.	3.5	1