

Wei Jie Qin

List of Publications by Year in descending order

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46
papers

1,393
citations

331259

21
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344852

36
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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. <i>Molecular Cell</i> , 2017, 68, 591-604.e5.	4.5	197
2	A novel strategy for facile serum exosome isolation based on specific interactions between phospholipid bilayers and TiO ₂ . <i>Chemical Science</i> , 2019, 10, 1579-1588.	3.7	134
3	Trypsin Immobilization on Hairy Polymer Chains Hybrid Magnetic Nanoparticles for Ultra Fast, Highly Efficient Proteome Digestion, Facile ¹⁸ O Labeling and Absolute Protein Quantification. <i>Analytical Chemistry</i> , 2012, 84, 3138-3144.	3.2	78
4	Imaging the disruption of phospholipid monolayer by protein-coated nanoparticles using ordering transitions of liquid crystals. <i>Biomaterials</i> , 2009, 30, 843-849.	5.7	61
5	Nanoparticle-based detection and quantification of DNA with single nucleotide polymorphism (SNP) discrimination selectivity. <i>Nucleic Acids Research</i> , 2007, 35, e111.	6.5	59
6	Preparation of Sequence-Controlled Triblock Copolymer-Grafted Silica Microparticles by Sequential-ATRP for Highly Efficient Glycopeptides Enrichment. <i>Analytical Chemistry</i> , 2015, 87, 656-662.	3.2	59
7	Development a hydrazide-functionalized thermosensitive polymer based homogeneous system for highly efficient N-glycoprotein/glycopeptide enrichment from human plasma exosome. <i>Talanta</i> , 2018, 186, 513-520.	2.9	52
8	A pH-responsive soluble polymer-based homogeneous system for fast and highly efficient N-glycoprotein/glycopeptide enrichment and identification by mass spectrometry. <i>Chemical Science</i> , 2015, 6, 4234-4241.	3.7	46
9	Nanoparticle-DNA Conjugates Bearing a Specific Number of Short DNA Strands by Enzymatic Manipulation of Nanoparticle-bound DNA. <i>Langmuir</i> , 2005, 21, 11330-11334.	1.6	41
10	Facile Preparation of Well-Defined Hydrophilic Core-Shell Upconversion Nanoparticles for Selective Cell Membrane Glycan Labeling and Cancer Cell Imaging. <i>Analytical Chemistry</i> , 2014, 86, 482-489.	3.2	41
11	Dual Matrix-Based Immobilized Trypsin for Complementary Proteolytic Digestion and Fast Proteomics Analysis with Higher Protein Sequence Coverage. <i>Analytical Chemistry</i> , 2014, 86, 1452-1458.	3.2	37
12	A dual-functional lanthanide nanoprobe for both living cell imaging and ICP-MS quantification of active protease. <i>Chemical Science</i> , 2016, 7, 2246-2250.	3.7	37
13	A Highly Efficient and Visualized Method for Glycan Enrichment by Self-Assembling Pyrene Derivative Functionalized Free Graphene Oxide. <i>Analytical Chemistry</i> , 2013, 85, 2703-2709.	3.2	36
14	A GSH Functionalized Magnetic Ultra-thin 2D-MoS ₂ nanocomposite for HILIC-based enrichment of N-glycopeptides from urine exosome and serum proteins. <i>Analytica Chimica Acta</i> , 2020, 1098, 181-189.	2.6	33
15	Surface Initiated Atom Transfer Radical Polymerization: Access to Three Dimensional Wavelike Polymer Structure Modified Capillary Columns for Online Phosphopeptide Enrichment. <i>Analytical Chemistry</i> , 2010, 82, 9461-9468.	3.2	29
16	Brush polymer modified and lectin immobilized core-shell microparticle for highly efficient glycoprotein/glycopeptide enrichment. <i>Talanta</i> , 2013, 115, 842-848.	2.9	27
17	HMGB1 bound to cisplatin-DNA adducts undergoes extensive acetylation and phosphorylation in vivo. <i>Chemical Science</i> , 2015, 6, 2074-2078.	3.7	26
18	A rapid immobilized trypsin digestion combined with liquid chromatography Tandem mass spectrometry for the detection of milk allergens in baked food. <i>Food Control</i> , 2019, 102, 179-187.	2.8	26

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19	An Integrated Strategy for Mass Spectrometry-Based Multiomics Analysis of Single Cells. <i>Analytical Chemistry</i> , 2021, 93, 14059-14067.	3.2	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. <i>Analytical Chemistry</i> , 2017, 89, 5810-5817.	3.2	23
21	Synthesis of hydrazide-functionalized hydrophilic polymer hybrid graphene oxide for highly efficient N-glycopeptide enrichment and identification by mass spectrometry. <i>Talanta</i> , 2017, 171, 124-131.	2.9	23
22	Dimeric gold nanoparticle assembly for detection and discrimination of single nucleotide mutation in Duchenne muscular dystrophy. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2021-2025.	5.3	22
23	Graphene based soft nanoreactors for facile one-step glycan enrichment and derivatization for MALDI-TOF-MS analysis. <i>Talanta</i> , 2013, 117, 1-7.	2.9	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. <i>Analytical Chemistry</i> , 2020, 92, 690-698.	3.2	21
25	A Proteomics Strategy for the Identification of FAT10-Modified Sites by Mass Spectrometry. <i>Journal of Proteome Research</i> , 2014, 13, 268-276.	1.8	20
26	Nanoparticle carrying a single probe for target DNA detection and single nucleotide discrimination. <i>Biosensors and Bioelectronics</i> , 2009, 25, 313-319.	5.3	19
27	A novel strategy for global mapping of O-GlcNAc proteins and peptides using selective enzymatic deglycosylation, HILIC enrichment and mass spectrometry identification. <i>Talanta</i> , 2017, 169, 195-202.	2.9	19
28	A triarylphosphine-trimethylpiperidine reagent for the one-step derivatization and enrichment of protein post-translational modifications and identification by mass spectrometry. <i>Chemical Communications</i> , 2018, 54, 13790-13793.	2.2	19
29	Efficient Manipulation of Nanoparticle-Bound DNA via Restriction Endonuclease. <i>Biomacromolecules</i> , 2006, 7, 3047-3051.	2.6	16
30	Metal-tag labeling coupled with multiple reaction monitoring-mass spectrometry for absolute quantitation of proteins. <i>Analyst</i> , 2013, 138, 5309.	1.7	15
31	Novel Two-Dimensional MoS ₂ /TiO ₂ Nanomaterial for Efficient Enrichment of Phosphopeptides and Large-Scale Identification of Histidine Phosphorylation by Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 12801-12808.	3.2	15
32	Determination of monoisotopic masses of chimera spectra from high-resolution mass spectrometric data by use of isotopic peak intensity ratio modeling. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1875-1886.	0.7	12
33	Sensitive Western-Blot Analysis of Azide-Tagged Protein Post Translational Modifications Using Thermoresponsive Polymer Self-Assembly. <i>Analytical Chemistry</i> , 2018, 90, 2186-2192.	3.2	12
34	A sensitive dual signal amplification method for western blotting based on antibody-functionalised graphene oxide and gold nanoparticles. <i>Analyst</i> , 2012, 137, 3620.	1.7	11
35	Spatiotemporal Activation of Protein O-GlcNAcylation in Living Cells. <i>Journal of the American Chemical Society</i> , 2022, 144, 4289-4293.	6.6	11
36	An RNA tagging approach for system-wide RNA-binding proteome profiling and dynamics investigation upon transcription inhibition. <i>Nucleic Acids Research</i> , 2021, 49, e65-e65.	6.5	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. <i>Talanta</i> , 2022, 237, 122938.	2.9	9
38	A facile "one-material" strategy for tandem enrichment of small extracellular vesicles phosphoproteome. <i>Talanta</i> , 2021, 223, 121776.	2.9	8
39	Well-Defined Nanoassemblies Using Gold Nanoparticles Bearing Specific Number of DNA Strands. <i>Bioconjugate Chemistry</i> , 2008, 19, 385-390.	1.8	7
40	A fast sample processing strategy for large-scale profiling of human urine phosphoproteome by mass spectrometry. <i>Talanta</i> , 2018, 185, 166-173.	2.9	7
41	A sequential separation strategy for facile isolation and comprehensive analysis of human urine N-glycoproteome. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7305-7312.	1.9	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. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4741-4749.	1.9	6
43	An Ultrafast N-Glycoproteome Analysis Method Using Thermoresponsive Magnetic Fluid-Immobilized Enzymes. <i>Frontiers in Chemistry</i> , 2021, 9, 676100.	1.8	5
44	A chemical method for genome- and proteome-wide enrichment and O-GlcNAcylation profiling of chromatin-associated proteins. <i>Talanta</i> , 2022, 241, 123167.	2.9	5
45	Difference in "Base Pair to Termini" Affects the Enzymatic Digestion of Nanoparticle-Bonded DNA. <i>Biomacromolecules</i> , 2007, 8, 750-752.	2.6	1
46	Chemically labeled ThUBD permits rapid and super-sensitive imaging of polyubiquitination signals. <i>Analyst</i> , 2022, 147, 3434-3443.	1.7	1