

Dingyin Tao

List of Publications by Year in descending order

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46
papers

1,222
citations

361413

20
h-index

395702

33
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49
all docs

49
docs citations

49
times ranked

1842
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic-Inorganic Hybrid Silica Monolith Based Immobilized Trypsin Reactor with High Enzymatic Activity. <i>Analytical Chemistry</i> , 2008, 80, 2949-2956.	6.5	193
2	A versatile polypharmacology platform promotes cytoprotection and viability of human pluripotent and differentiated cells. <i>Nature Methods</i> , 2021, 18, 528-541.	19.0	72
3	Sex-partitioning of the <i>Plasmodium falciparum</i> Stage V Gametocyte Proteome Provides Insight into <i>falciparum</i> -specific Cell Biology. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2705-2724.	3.8	61
4	The <i>Anopheles</i> -midgut APN1 structure reveals a new malaria transmission-blocking vaccine epitope. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 532-539.	8.2	55
5	Preparation of protein imprinted materials by hierarchical imprinting techniques and application in selective depletion of albumin from human serum. <i>Scientific Reports</i> , 2014, 4, 5487.	3.3	55
6	Organic-Inorganic Hybrid Silica Monolith Based Immobilized Titanium Ion Affinity Chromatography Column for Analysis of Mitochondrial Phosphoproteome. <i>Journal of Proteome Research</i> , 2010, 9, 4093-4101.	3.7	53
7	Hydrophilic monolith based immobilized enzyme reactors in capillary and on microchip for high-throughput proteomic analysis. <i>Journal of Chromatography A</i> , 2011, 1218, 2898-2905.	3.7	47
8	Integrated Platform for Proteome Analysis with Combination of Protein and Peptide Separation via Online Digestion. <i>Analytical Chemistry</i> , 2009, 81, 8708-8714.	6.5	40
9	A saliva-based rapid test to quantify the infectious subclinical malaria parasite reservoir. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	40
10	Molecular Profiling of Phagocytic Immune Cells in <i>Anopheles gambiae</i> Reveals Integral Roles for Hemocytes in Mosquito Innate Immunity. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3373-3387.	3.8	39
11	Recent advances in micro-scale and nano-scale high-performance liquid-phase chromatography for proteome research. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 229-241.	3.7	37
12	<i>Plasmodium vivax</i> chloroquine resistance links to <i>pv crt</i> transcription in a genetic cross. <i>Nature Communications</i> , 2019, 10, 4300.	12.8	35
13	Coupling Formic Acid Assisted Solubilization and Online Immobilized Pepsin Digestion with Strong Cation Exchange and Microflow Reversed-Phase Liquid Chromatography with Electrospray Ionization Tandem Mass Spectrometry for Integral Membrane Proteome Analysis. <i>Analytical Chemistry</i> , 2010, 82, 9622-9625.	6.5	33
14	Naturally acquired immunity against immature <i>Plasmodium falciparum</i> gametocytes. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	31
15	Separation and identification of compounds in <i>Adinandra nitida</i> by comprehensive two-dimensional liquid chromatography coupled to atmospheric pressure chemical ionization source ion trap tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 586-593.	3.7	30
16	Miniaturized two-dimensional capillary electrophoresis on a microchip for analysis of the tryptic digest of proteins. <i>Journal of Separation Science</i> , 2008, 31, 588-594.	2.5	30
17	Ionic liquid 1-butyl-3-methyl imidazolium tetrafluoroborate for shotgun membrane proteomics. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3387-3397.	3.7	30
18	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10984-11011.	6.4	30

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19	A Small Molecule Glycosaminoglycan Mimetic Blocks Plasmodium Invasion of the Mosquito Midgut. <i>PLoS Pathogens</i> , 2013, 9, e1003757.	4.7	25
20	A Universal and High-Throughput Proteomics Sample Preparation Platform. <i>Analytical Chemistry</i> , 2021, 93, 8423-8431.	6.5	24
21	The Nonartemisinin Sesquiterpene Lactones Parthenin and Parthenolide Block Plasmodium falciparum Sexual Stage Transmission. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2108-2117.	3.2	23
22	A facile microdialysis interface for online desalting and identification of proteins by nano-electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2391-2397.	1.5	22
23	The Acute Transcriptomic and Proteomic Response of HC-04 Hepatoma Cells to Hepatocyte Growth Factor and its Implications for Plasmodium falciparum Sporozoite Invasion. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1153-1164.	3.8	21
24	Development of a Highly Efficient 2-D System with a Serially Coupled Long Column and Its Application in Identification of Rat Brain Integral Membrane Proteins with Ionic Liquids-Assisted Solubilization and Digestion. <i>Journal of Proteome Research</i> , 2011, 10, 732-738.	3.7	18
25	Serially coupled microcolumn reversed phase liquid chromatography for shotgun proteomic analysis. <i>Proteomics</i> , 2009, 9, 2029-2036.	2.2	17
26	Large-scale N-glycoproteome map of rat brain tissue: Simultaneous characterization of insoluble and soluble protein fractions. <i>Proteomics</i> , 2011, 11, 4274-4278.	2.2	17
27	Nano-flow multidimensional liquid chromatography platform integrated with combination of protein and peptide separation for proteome analysis. <i>Journal of Separation Science</i> , 2012, 35, 1764-1770.	2.5	17
28	Single Chain Variable Fragment Displaying M13 Phage Library Functionalized Magnetic Microsphere-Based Protein Equalizer for Human Serum Protein Analysis. <i>Analytical Chemistry</i> , 2012, 84, 7633-7637.	6.5	16
29	HPLC-MS/MS shotgun proteomic research of deer antlers with multiparallel protein extraction methods. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 3370-3374.	2.3	14
30	The cellular and proteomic response of primary and immortalized murine Kupffer cells following immune stimulation diverges from that of monocyte-derived macrophages. <i>Proteomics</i> , 2015, 15, 545-553.	2.2	13
31	The Selection of a Hepatocyte Cell Line Susceptible to Plasmodium falciparum Sporozoite Invasion That Is Associated With Expression of Glypican-3. <i>Frontiers in Microbiology</i> , 2019, 10, 127.	3.5	13
32	Integrated Microfluidic Chip and Online SCX Separation Allows Untargeted Nanoscale Metabolomic and Peptidomic Profiling. <i>Journal of Proteome Research</i> , 2015, 14, 1621-1626.	3.7	9
33	Detecting Secretory Proteins by Acoustic Droplet Ejection in Multiplexed High-Throughput Applications. <i>ACS Chemical Biology</i> , 2019, 14, 497-505.	3.4	9
34	A direct peptide reactivity assay using a high-throughput mass spectrometry screening platform for detection of skin sensitizers. <i>Toxicology Letters</i> , 2021, 338, 67-77.	0.8	7
35	Microchip free flow planar reversed phase electrochromatography with monolithic stationary phase. <i>Journal of Separation Science</i> , 2009, 32, 2629-2634.	2.5	6
36	Highly efficient proteome analysis with combination of protein pre-fractionation by preparative microscale solution isoelectric focusing and identification by 1/4RPLC-MS/MS with serially coupled long microcolumn. <i>Journal of Separation Science</i> , 2011, 34, 83-89.	2.5	6

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37	An antibody against an <i>Anopheles albimanus</i> midgut myosin reduces <i>Plasmodium berghei</i> oocyst development. <i>Parasites and Vectors</i> , 2016, 9, 274.	2.5	6
38	Physiologically relevant orthogonal assays for the discovery of small-molecule modulators of WIP1 phosphatase in high-throughput screens. <i>Journal of Biological Chemistry</i> , 2019, 294, 17654-17668.	3.4	6
39	SDS-PAGE-free protocol for comprehensive identification of cytochrome P450 enzymes and uridine diphosphoglucuronosyl transferases in human liver microsomes. <i>Proteomics</i> , 2012, 12, 3464-3469.	2.2	4
40	Facile High-Performance Liquid Chromatography Mass Spectrometry Method for Analysis of Cyclocreatine and Phosphocyclocreatine in Complex Mixtures of Amino Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7190-7196.	5.2	4
41	High-throughput protein modification quantitation analysis using intact protein MRM and its application on hENGase inhibitor screening. <i>Talanta</i> , 2021, 231, 122384.	5.5	3
42	Paraquat-Mediated Oxidative Stress in <i>Anopheles gambiae</i> Mosquitoes Is Regulated by An Endoplasmic Reticulum (ER) Stress Response. <i>Proteomes</i> , 2018, 6, 47.	3.5	2
43	Structure-activity relationship of ipglyceramide binding to phosphoglycerate mutases. <i>Journal of Biological Chemistry</i> , 2021, 296, 100628.	3.4	2
44	Structure-Based Optimization of Small Molecule Human Galactokinase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13551-13571.	6.4	2
45	Ribosomal/nucleolar stress induction regulates tert-Butyl hydroperoxide (tBHP) mediated oxidative stress in <i>Anopheles gambiae</i> midguts. <i>BMC Research Notes</i> , 2019, 12, 182.	1.4	0
46	Discovery of <i>Plasmodium falciparum</i> Antigens on the Surface of the Gametocyte-Infected Erythrocyte as Novel Candidates for the Development of Transmission-Blocking Vaccines. <i>FASEB Journal</i> , 2015, 29, 888.5.	0.5	0