Siu Kwan Sze

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

253 papers	10,983 citations	52 h-index	95 g-index
274 ext. papers	12,765 ext. citations	5.8 avg, IF	6.24 L-index

#	Paper	IF	Citations
253	Mediator Complex of the Malaria Parasite Associates with Evolutionarily Novel Subunits.. *ACS Omega*, **2022**, 7, 14867-14874	3.9	
252	The steroidal lactone withaferin A impedes T-cell motility by inhibiting the kinase ZAP70 and subsequent kinome signaling. *Journal of Biological Chemistry*, **2021**, 297, 101377	5.4	0
251	Proteomic Profiling of the Secretome of Trichoderma reesei. *Methods in Molecular Biology*, **2021**, 2234, 237-249	1.4	
250	The legumain McPAL1 from Momordica cochinchinensis is a highly stable Asx-specific splicing enzyme. *Journal of Biological Chemistry*, **2021**, 297, 101325	5.4	1
249	Enterovirus-A71 exploits peripherin and Rac1 to invade the central nervous system. *EMBO Reports*, **2021**, 22, e51777	6.5	3
248	Aging-induced isoDGR-modified fibronectin activates monocytic and endothelial cells to promote atherosclerosis. *Atherosclerosis*, **2021**, 324, 58-68	3.1	1
247	Extracellular Vesicle Proteome of Breast Cancer Patients with and Without Cognitive Impairment Following Anthracycline-based Chemotherapy: An Exploratory Study. *Biomarker Insights*, **2021**, 16, 11772719211018204	2.5	1
246	Characterization and application of natural and recombinant butelase-1 to improve industrial enzymes by end-to-end circularization.. *RSC Advances*, **2021**, 11, 23105-23112	3.7	5
245	Application of Advanced Mass Spectrometry-Based Proteomics to Study Hypoxia Driven Cancer Progression. *Frontiers in Oncology*, **2021**, 11, 559822	5.3	5
244	Translational GTPase BipA Is Involved in the Maturation of a Large Subunit of Bacterial Ribosome at Suboptimal Temperature. *Frontiers in Microbiology*, **2021**, 12, 686049	5.7	0
243	Embryonic Stem Cell Differentiation Is Regulated by SET through Interactions with p53 and β-Catenin. *Stem Cell Reports*, **2020**, 15, 1260-1274	8	3
242	Alzheimer's disease progression characterized by alterations in the molecular profiles and biogenesis of brain extracellular vesicles. *Alzheimer's Research and Therapy*, **2020**, 12, 54	9	19
241	Exploring Extracellular Vesicles Biogenesis in Hypothalamic Cells through a Heavy Isotope Pulse/Trace Proteomic Approach. *Cells*, **2020**, 9,	7.9	5
240	Oxidative Damage to the TCA Cycle Enzyme MDH1 Dysregulates Bioenergetic Enzymatic Activity in the Aged Murine Brain. *Journal of Proteome Research*, **2020**, 19, 1706-1717	5.6	6
239	Pulsed SILAM Reveals In Vivo Dynamics of Murine Brain Protein Translation. *ACS Omega*, **2020**, 5, 13528-13540	3.7	1
238	Hypoxia-Induced Degenerative Protein Modifications Associated with Aging and Age-Associated Disorders **2020**, 11, 341-364		17
237	Role of Exosomes in Cancer-Related Cognitive Impairment. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9

236	Advances in extracellular vesicles analysis. *Advances in Clinical Chemistry*, **2020**, 97, 73-116	5.8	2
235	Profiling the deamidome of complex biosamples using mixed-mode chromatography-coupled tandem mass spectrometry. *Methods*, **2020**,	4.6	1
234	The unusual di-domain structure of Dunaliella salina glycerol-3-phosphate dehydrogenase enables direct conversion of dihydroxyacetone phosphate to glycerol. *Plant Journal*, **2020**, 102, 153-164	6.9	4
233	Microenvironmental Hypoxia Induces Dynamic Changes in Lung Cancer Synthesis and Secretion of Extracellular Vesicles. *Cancers*, **2020**, 12,	6.6	6
232	Turning an Asparaginyl Endopeptidase into a Peptide Ligase. *ACS Catalysis*, **2020**, 10, 8825-8834	13.1	15
231	System-wide molecular dynamics of endothelial dysfunction in Gram-negative sepsis. *BMC Biology*, **2020**, 18, 175	7.3	2
230	Vimentin protects differentiating stem cells from stress. *Scientific Reports*, **2020**, 10, 19525	4.9	6
229	Serum albumin cysteine trioxidation is a potential oxidative stress biomarker of type 2 diabetes mellitus. *Scientific Reports*, **2020**, 10, 6475	4.9	16
228	Quantitative Proteomic Analysis of Simian Primary Hepatocytes Reveals Candidate Molecular Markers for Permissiveness to Relapsing Malaria Plasmodium cynomolgi. *Proteomics*, **2019**, 19, e1900021	4.8	2
227	Abundant neuroprotective chaperone Lipocalin-type prostaglandin D synthase (L-PGDS) disassembles the Amyloid-β fibrils. *Scientific Reports*, **2019**, 9, 12579	4.9	15
226	Artificially intelligent proteomics improves cardiovascular risk assessment. *EBioMedicine*, **2019**, 40, 23-24	8.8	3
225	Quantitative profiling brain proteomes revealed mitochondrial dysfunction in Alzheimer's disease. *Molecular Brain*, **2019**, 12, 8	4.5	51
224	Plant-derived mitochondria-targeting cysteine-rich peptide modulates cellular bioenergetics. *Journal of Biological Chemistry*, **2019**, 294, 4000-4011	5.4	11
223	Delineation of critical amino acids in activation function 1 of progesterone receptor for recruitment of transcription coregulators. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2019**, 1862, 522-533	6	3
222	Dynamic expression of tRNA-derived small RNAs define cellular states. *EMBO Reports*, **2019**, 20, e47789	6.5	49
221	Degenerative protein modifications in the aging vasculature and central nervous system: A problem shared is not always halved. *Ageing Research Reviews*, **2019**, 53, 100909	12	12
220	Structural determinants for peptide-bond formation by asparaginyl ligases. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 11737-11746	11.5	51
219	Hypoxia-induced tumor exosomes promote M2-like macrophage polarization of infiltrating myeloid cells and microRNA-mediated metabolic shift. *Oncogene*, **2019**, 38, 5158-5173	9.2	114

218	Pellino1 specifically binds to phospho-Thr18 of p53 and is recruited to sites of DNA damage. *Biochemical and Biophysical Research Communications*, **2019**, 513, 714-720	3.4	4
217	Carotid artery disease in post-stroke survivors and effects of enriched environment on stroke pathology in a mouse model of carotid artery stenosis. *Neuropathology and Applied Neurobiology*, **2019**, 45, 681-697	5.2	11
216	Immunomic Identification of Malaria Antigens Associated With Protection in Mice. *Molecular and Cellular Proteomics*, **2019**, 18, 837-853	7.6	
215	Clinical implications of extracellular vesicles in neurodegenerative diseases. *Expert Review of Molecular Diagnostics*, **2019**, 19, 813-824	3.8	9
214	Brown Adipose Tissue: Multimodality Evaluation by PET, MRI, Infrared Thermography, and Whole-Body Calorimetry (TACTICAL-II). *Obesity*, **2019**, 27, 1434-1442	8	19
213	Prooxidant modifications in the cryptome of beef jerky, the deleterious post-digestion composition of processed meat snacks. *Food Research International*, **2019**, 125, 108569	7	1
212	Materials Stiffness-Dependent Redox Metabolic Reprogramming of Mesenchymal Stem Cells for Secretome-Based Therapeutic Angiogenesis. *Advanced Healthcare Materials*, **2019**, 8, e1900929	10.1	22
211	Brain-derived and circulating vesicle profiles indicate neurovascular unit dysfunction in early Alzheimer's disease. *Brain Pathology*, **2019**, 29, 593-605	6	26
210	Pulsed SILAC-based proteomic analysis unveils hypoxia- and serum starvation-induced protein synthesis with PHD finger protein 14 (PHF14) as a hypoxia sensitive epigenetic regulator in cell cycle progression. *Oncotarget*, **2019**, 10, 2136-2150	3.3	11
209	ERO1 promotes hypoxic tumor progression and is associated with poor prognosis in pancreatic cancer. *Oncotarget*, **2019**, 10, 5970-5982	3.3	16
208	Astratides: Insulin-Modulating, Insecticidal, and Antifungal Cysteine-Rich Peptides from Astragalus membranaceus. *Journal of Natural Products*, **2019**, 82, 194-204	4.9	13
207	Roseltide rT7 is a disulfide-rich, anionic, and cell-penetrating peptide that inhibits proteasomal degradation. *Journal of Biological Chemistry*, **2019**, 294, 19604-19615	5.4	7
206	Mechanoregulation of Cancer-Associated Fibroblast Phenotype in Three-Dimensional Interpenetrating Hydrogel Networks. *Langmuir*, **2019**, 35, 7487-7495	4	25
205	Aqueous humor protein dysregulation in primary angle-closure glaucoma. *International Ophthalmology*, **2019**, 39, 861-871	2.2	13
204	Peptidomic Identification of Cysteine-Rich Peptides from Plants. *Methods in Molecular Biology*, **2018**, 1719, 379-393	1.4	5
203	Distinctive molecular signature and activated signaling pathways in aortic smooth muscle cells of patients with myocardial infarction. *Atherosclerosis*, **2018**, 271, 237-244	3.1	22
202	Studies on the Proteome of Human Hair - Identification of Histones and Deamidated Keratins. *Scientific Reports*, **2018**, 8, 1599	4.9	27
201	Capsinoids activate brown adipose tissue (BAT) with increased energy expenditure associated with subthreshold 18-fluorine fluorodeoxyglucose uptake in BAT-positive humans confirmed by positron emission tomography scan. *American Journal of Clinical Nutrition*, **2018**, 107, 62-70	7	29

200	Ribosome protection by antibiotic resistance ATP-binding cassette protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 5157-5162	11.5	47
199	Transcriptome alterations of vascular smooth muscle cells in aortic wall of myocardial infarction patients. *Data in Brief*, **2018**, 17, 1112-1135	1.2	10
198	Enriched Expression of Neutral Sphingomyelinase 2 in the Striatum is Essential for Regulation of Lipid Raft Content and Motor Coordination. *Molecular Neurobiology*, **2018**, 55, 5741-5756	6.2	11
197	Quantitative mass spectrometry of human reticulocytes reveal proteome-wide modifications during maturation. *British Journal of Haematology*, **2018**, 180, 118-133	4.5	24
196	Myocardial Injury Is Distinguished from Stable Angina by a Set of Candidate Plasma Biomarkers Identified Using iTRAQ/MRM-Based Approach. *Journal of Proteome Research*, **2018**, 17, 499-515	5.6	11
195	Oxidative stress promotes SIRT1 recruitment to the GADD34/PP1□complex to activate its deacetylase function. *Cell Death and Differentiation*, **2018**, 25, 255-267	12.7	21
194	Importance of TFEB acetylation in control of its transcriptional activity and lysosomal function in response to histone deacetylase inhibitors. *Autophagy*, **2018**, 14, 1043-1059	10.2	41
193	Molecular diversity and function of jasmintides from Jasminum sambac. *BMC Plant Biology*, **2018**, 18, 144	5.3	4
192	Thrombin and Plasmin Alter the Proteome of Neutrophil Extracellular Traps. *Frontiers in Immunology*, **2018**, 9, 1554	8.4	27
191	Identification of Antibacterial Components in Human Hair Shafts. *Acta Dermato-Venereologica*, **2018**, 98, 708-710	2.2	2
190	The protein kinase CK2 catalytic domain from Plasmodium falciparum: crystal structure, tyrosine kinase activity and inhibition. *Scientific Reports*, **2018**, 8, 7365	4.9	7
189	Online Removal of Sodium Dodecyl Sulfate via Weak Cation Exchange in Liquid Chromatography-Mass Spectrometry Based Proteomics. *Journal of Proteome Research*, **2018**, 17, 2390-2400	5.6	9
188	Proteomic Analysis of Aqueous Humor from Primary Open Angle Glaucoma Patients on Drug Treatment Revealed Altered Complement Activation Cascade. *Journal of Proteome Research*, **2018**, 17, 2499-2510	5.6	14
187	Chronic oxidative stress promotes GADD34-mediated phosphorylation of the TAR DNA-binding protein TDP-43, a modification linked to neurodegeneration. *Journal of Biological Chemistry*, **2018**, 293, 163-176	5.4	21
186	Amino acids stimulate the endosome-to-Golgi trafficking through Ragulator and small GTPase Arl5. *Nature Communications*, **2018**, 9, 4987	17.4	13
185	Bacteria Display Differential Growth and Adhesion Characteristics on Human Hair Shafts. *Frontiers in Microbiology*, **2018**, 9, 2145	5.7	8
184	Vascular Bed Molecular Profiling by Differential Systemic Decellularization In Vivo. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2396-2409	9.4	9
183	PTEN-L is a novel protein phosphatase for ubiquitin dephosphorylation to inhibit PINK1-Parkin-mediated mitophagy. *Cell Research*, **2018**, 28, 787-802	24.7	76

182	Soy-Derived Phytochemical Genistein Modifies Chromatome Topology to Restrict Cancer Cell Proliferation. *Proteomics*, **2018**, 18, e1700474	4.8	7
181	Recent advances in mass spectrometric analysis of protein deamidation. *Mass Spectrometry Reviews* , **2017**, 36, 677-692	11	41
180	Dietary phytochemical PEITC restricts tumor development via modulation of epigenetic writers and erasers. *Scientific Reports*, **2017**, 7, 40569	4.9	21
179	P. falciparum RH5-Basigin interaction induces changes in the cytoskeleton of the host RBC. *Cellular Microbiology*, **2017**, 19, e12747	3.9	24
178	Application of Nanosecond Laser Photolysis Protein Footprinting to Study EGFR Activation by EGF in Cells. *Journal of Proteome Research*, **2017**, 16, 2282-2293	5.6	15
177	Phosphatase POPX2 Exhibits Dual Regulatory Functions in Cancer Metastasis. *Journal of Proteome Research*, **2017**, 16, 698-711	5.6	9
176	Alternative SET/TAFI Promoters Regulate Embryonic Stem Cell Differentiation. *Stem Cell Reports*, **2017**, 9, 1291-1303	8	13
175	Proteolytic signatures define unique thrombin-derived peptides present in human wound fluid in vivo. *Scientific Reports*, **2017**, 7, 13136	4.9	14
174	Brain ureido degenerative protein modifications are associated with neuroinflammation and proteinopathy in Alzheimerβ disease with cerebrovascular disease. *Journal of Neuroinflammation*, **2017**, 14, 175	10.1	21
173	An iTRAQ-based proteomic analysis reveals dysregulation of neocortical synaptopodin in Lewy body dementias. *Molecular Brain*, **2017**, 10, 36	4.5	18
172	Lowering Low-Density Lipoprotein Particles in Plasma Using Dextran Sulphate Co-Precipitates Procoagulant Extracellular Vesicles. *International Journal of Molecular Sciences*, **2017**, 19,	6.3	17
171	Monocyte adhesion to atherosclerotic matrix proteins is enhanced by Asn-Gly-Arg deamidation. *Scientific Reports*, **2017**, 7, 5765	4.9	15
170	Proteomic Analysis of Amyloid Corneal Aggregates from TGFBI-H626R Lattice Corneal Dystrophy Patient Implicates Serine-Protease HTRA1 in Mutation-Specific Pathogenesis of TGFBIp. *Journal of Proteome Research*, **2017**, 16, 2899-2913	5.6	12
169	Simultaneous Enrichment of Plasma Extracellular Vesicles and Glycoproteome for Studying Disease Biomarkers. *Methods in Molecular Biology*, **2017**, 1619, 193-201	1.4	2
168	Vaccatides: Antifungal Glutamine-Rich Hevein-Like Peptides from. *Frontiers in Plant Science*, **2017**, 8, 1100	6.2	18
167	LERLIC-MS/MS for In-depth Characterization and Quantification of Glutamine and Asparagine Deamidation in Shotgun Proteomics. *Journal of Visualized Experiments*, **2017**,	1.6	4
166	Proteomic Study of Degenerative Protein Modifications in the Molecular Pathology of Neurodegeneration and Dementia **2016**,		2
165	Commercial processed soy-based food product contains glycated and glycoxidated lunasin proteoforms. *Scientific Reports*, **2016**, 6, 26106	4.9	18

164	A high-throughput peptidomic strategy to decipher the molecular diversity of cyclic cysteine-rich peptides. *Scientific Reports*, **2016**, 6, 23005	4.9	34
163	Irradiation of Epithelial Carcinoma Cells Upregulates Calcium-Binding Proteins That Promote Survival under Hypoxic Conditions. *Journal of Proteome Research*, **2016**, 15, 4258-4264	5.6	6
162	Proteome mapping of Plasmodium: identification of the P. yoelii remodellome. *Scientific Reports*, **2016**, 6, 31055	4.9	7
161	Insight of brain degenerative protein modifications in the pathology of neurodegeneration and dementia by proteomic profiling. *Molecular Brain*, **2016**, 9, 92	4.5	27
160	Characterization of Glutamine Deamidation by Long-Length Electrostatic Repulsion-Hydrophilic Interaction Chromatography-Tandem Mass Spectrometry (LERLIC-MS/MS) in Shotgun Proteomics. *Analytical Chemistry*, **2016**, 88, 10573-10582	7.8	26
159	Plasma-derived Extracellular Vesicles Contain Predictive Biomarkers and Potential Therapeutic Targets for Myocardial Ischemic (MI) Injury. *Molecular and Cellular Proteomics*, **2016**, 15, 2628-40	7.6	78
158	Gender differences in white matter pathology and mitochondrial dysfunction in Alzheimer's disease with cerebrovascular disease. *Molecular Brain*, **2016**, 9, 27	4.5	45
157	Global re-wiring of p53 transcription regulation by the hepatitis B virus X protein. *Molecular Oncology*, **2016**, 10, 1183-95	7.9	16
156	Dementia-linked amyloidosis is associated with brain protein deamidation as revealed by proteomic profiling of human brain tissues. *Molecular Brain*, **2016**, 9, 20	4.5	25
155	Plasma proteome coverage is increased by unique peptide recovery from sodium deoxycholate precipitate. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 1963-73	4.4	15
154	Selective labelling and eradication of antibiotic-tolerant bacterial populations in Pseudomonas aeruginosa biofilms. *Nature Communications*, **2016**, 7, 10750	17.4	91
153	Aortic Wall Extracellular Matrix Proteins Correlate with Syntax Score in Patients Undergoing Coronary Artery Bypass Surgery. *Open Cardiovascular Medicine Journal*, **2016**, 10, 48-56	0.7	1
152	Ginkgotides: Proline-Rich Hevein-Like Peptides from Gymnosperm. *Frontiers in Plant Science*, **2016**, 7, 1639	6.2	21
151	Proteomics study revealed altered proteome of Dichogaster curgensis upon exposure to fly ash. *Chemosphere*, **2016**, 160, 104-13	8.4	4
150	Structural insights into the LCIB protein family reveals a new group of β-carbonic anhydrases. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14716-14721	11.5	46
149	MSC secretes at least 3 EV types each with a unique permutation of membrane lipid, protein and RNA. *Journal of Extracellular Vesicles*, **2016**, 5, 29828	16.4	136
148	Enrichment of extracellular vesicles from tissues of the central nervous system by PROSPR. *Molecular Neurodegeneration*, **2016**, 11, 41	19	50
147	Drosophila expressing human SOD1 successfully recapitulates mitochondrial phenotypic features of familial amyotrophic lateral sclerosis. *Neuroscience Letters*, **2016**, 624, 47-52	3.3	7

146	Multiplex imaging and cellular target identification of kinase inhibitors via an affinity-based proteome profiling approach. *Scientific Reports*, **2015**, 5, 7724	4.9	33
145	The methyltransferase Ezh2 controls cell adhesion and migration through direct methylation of the extranuclear regulatory protein talin. *Nature Immunology*, **2015**, 16, 505-16	19.1	106
144	Uncovering Neurodegenerative Protein Modifications via Proteomic Profiling. *International Review of Neurobiology*, **2015**, 121, 87-116	4.4	20
143	Differential association of chromatin proteins identifies BAF60a/SMARCD1 as a regulator of embryonic stem cell differentiation. *Cell Reports*, **2015**, 10, 2019-31	10.6	36
142	Cutting Edge: Synchronization of IRF1, JunB, and C/EBP Activities during TLR3-TLR7 Cross-Talk Orchestrates Timely Cytokine Synergy in the Proinflammatory Response. *Journal of Immunology*, **2015**, 195, 801-5	5.3	22
141	Temporal lobe proteins implicated in synaptic failure exhibit differential expression and deamidation in vascular dementia. *Neurochemistry International*, **2015**, 80, 87-98	4.4	22
140	Data for iTRAQ secretomic analysis of Aspergillus fumigatus in response to different carbon sources. *Data in Brief*, **2015**, 3, 175-9	1.2	5
139	Quantitative proteomic study of Aspergillus Fumigatus secretome revealed deamidation of secretory enzymes. *Journal of Proteomics*, **2015**, 119, 154-68	3.9	46
138	Evaluation of the effect of trypsin digestion buffers on artificial deamidation. *Journal of Proteome Research*, **2015**, 14, 1308-14	5.6	41
137	Extracellular vesicles are rapidly purified from human plasma by PRotein Organic Solvent PRecipitation (PROSPR). *Scientific Reports*, **2015**, 5, 14664	4.9	74
136	Data for iTRAQ profiling of micro-vesicular plasma specimens: In search of potential prognostic circulatory biomarkers for Lacunar infarction. *Data in Brief*, **2015**, 4, 510-7	1.2	3
135	Progerin reduces LAP2 telomere association in Hutchinson-Gilford progeria. *ELife*, **2015**, 4,	8.9	72
134	Improving Blood Plasma Glycoproteome Coverage by Coupling Ultracentrifugation Fractionation to Electrostatic Repulsion-Hydrophilic Interaction Chromatography Enrichment. *Journal of Proteome Research*, **2015**, 14, 2828-38	5.6	12
133	Simultaneous Enrichment of Plasma Soluble and Extracellular Vesicular Glycoproteins Using Prolonged Ultracentrifugation-Electrostatic Repulsion-hydrophilic Interaction Chromatography (PUC-ERLIC) Approach. *Molecular and Cellular Proteomics*, **2015**, 14, 1657-71	7.6	24
132	The diagnostic and prognostic potential of plasma extracellular vesicles for cardiovascular disease. *Expert Review of Molecular Diagnostics*, **2015**, 15, 1577-88	3.8	38
131	Cysteine-Rich Peptide Family with Unusual Disulfide Connectivity from Jasminum sambac. *Journal of Natural Products*, **2015**, 78, 2791-9	4.9	10
130	Heterochromatin Protein 1 (HP1) has distinct functions and distinct nuclear distribution in pluripotent versus differentiated cells. *Genome Biology*, **2015**, 16, 213	18.3	42
129	SF3B1 association with chromatin determines splicing outcomes. *Cell Reports*, **2015**, 11, 618-29	10.6	73

128	Plasma biomarker discovery in preeclampsia using a novel differential isolation technology for circulating extracellular vesicles. *American Journal of Obstetrics and Gynecology*, **2014**, 211, 380.e1-13	6.4	29
127	Biochemical potential of MSC exosome. *Cytotherapy*, **2014**, 16, S43	4.8	2
126	iTRAQ quantitative clinical proteomics revealed role of Na(+)K(+)-ATPase and its correlation with deamidation in vascular dementia. *Journal of Proteome Research*, **2014**, 13, 4635-46	5.6	25
125	Proteomic analysis of protein deamidation. *Current Protocols in Protein Science*, **2014**, 78, 24.5.1-24.5.14	3.1	6
124	Deep proteomic profiling of human carotid atherosclerotic plaques using multidimensional LC-MS/MS. *Proteomics - Clinical Applications*, **2014**, 8, 631-5	3.1	15
123	Study of Phanerochaete chrysosporium secretome revealed protein glycosylation as a substrate-dependent post-translational modification. *Journal of Proteome Research*, **2014**, 13, 4272-80	5.6	15
122	Novel pathophysiological markers are revealed by iTRAQ-based quantitative clinical proteomics approach in vascular dementia. *Journal of Proteomics*, **2014**, 99, 54-67	3.9	25
121	LEO1 is regulated by PRL-3 and mediates its oncogenic properties in acute myelogenous leukemia. *Cancer Research*, **2014**, 74, 3043-53	10.1	25
120	Acetylation at lysine 183 of progesterone receptor by p300 accelerates DNA binding kinetics and transactivation of direct target genes. *Journal of Biological Chemistry*, **2014**, 289, 2180-94	5.4	13
119	Hypoxia-induced changes to integrin Β glycosylation facilitate invasion in epidermoid carcinoma cell line A431. *Molecular and Cellular Proteomics*, **2014**, 13, 3126-37	7.6	26
118	Trichoderma Secretome **2014**, 103-114		9
117	Lysine methylation of progesterone receptor at activation function 1 regulates both ligand-independent activity and ligand sensitivity of the receptor. *Journal of Biological Chemistry*, **2014**, 289, 5704-22	5.4	15
116	Quantitative profiling of chromatome dynamics reveals a novel role for HP1BP3 in hypoxia-induced oncogenesis. *Molecular and Cellular Proteomics*, **2014**, 13, 3236-49	7.6	32
115	Profiling of the Chromatin-associated Proteome Identifies HP1BP3 as a Novel Regulator of Cell Cycle Progression. *Molecular and Cellular Proteomics*, **2014**, 13, 2183-97	7.6	28
114	Genome-wide analysis in Plasmodium falciparum reveals early and late phases of RNA polymerase II occupancy during the infectious cycle. *BMC Genomics*, **2014**, 15, 959	4.5	14
113	Quantitative profiling of the rat heart myoblast secretome reveals differential responses to hypoxia and re-oxygenation stress. *Journal of Proteomics*, **2014**, 98, 138-49	3.9	29
112	Exosomal protein FAM3C as a potential novel biomarker for non-small cell lung cancer.. *Journal of Clinical Oncology*, **2014**, 32, e22162-e22162	2.2	3
111	Discovery of prognostic biomarker candidates of lacunar infarction by quantitative proteomics of microvesicles enriched plasma. *PLoS ONE*, **2014**, 9, e94663	3.7	34

110	The Use of Electrostatic Repulsion-Hydrophilic Interaction Chromatography (ERLIC) for Proteomics Research. *Mass Spectrometry Letters*, **2014**, 5, 95-103		
109	Quantitative clinical proteomic study of autopsied human infarcted brain specimens to elucidate the deregulated pathways in ischemic stroke pathology. *Journal of Proteomics*, **2013**, 91, 556-68	3.9	27
108	Brain-site-specific proteome changes induced by neuronal P60TRP expression. *NeuroSignals*, **2013**, 21, 129-49	1.9	17
107	Protein abundance in multiplexed samples (PAMUS) for quantitation of Trichoderma reesei secretome. *Journal of Proteomics*, **2013**, 83, 180-96	3.9	25
106	Plasma extracellular vesicle protein content for diagnosis and prognosis of global cardiovascular disease. *Netherlands Heart Journal*, **2013**, 21, 467-71	2.2	20
105	Brain site-specific proteome changes in aging-related dementia. *Experimental and Molecular Medicine*, **2013**, 45, e39	12.8	77
104	Small molecule probe suitable for in situ profiling and inhibition of protein disulfide isomerase. *ACS Chemical Biology*, **2013**, 8, 2577-85	4.9	40
103	Serum extracellular vesicle protein levels are associated with acute coronary syndrome. *European Heart Journal: Acute Cardiovascular Care*, **2013**, 2, 53-60	4.3	56
102	Comparative evaluation of electrostatic repulsion-hydrophilic interaction chromatography (ERLIC) and high-pH reversed phase (Hp-RP) chromatography in profiling of rat kidney proteome. *Journal of Proteomics*, **2013**, 82, 254-62	3.9	20
101	Microvesicle protein levels are associated with increased risk for future vascular events and mortality in patients with clinically manifest vascular disease. *International Journal of Cardiology*, **2013**, 168, 2358-63	3.2	65
100	Scalable and effective enrichment of semiconducting single-walled carbon nanotubes by a dual selective naphthalene-based azo dispersant. *Journal of the American Chemical Society*, **2013**, 135, 5569-81	16.4	33
99	Design and synthesis of minimalist terminal alkyne-containing diazirine photo-crosslinkers and their incorporation into kinase inhibitors for cell- and tissue-based proteome profiling. *Angewandte Chemie - International Edition*, **2013**, 52, 8551-6	16.4	208
98	Proteomic analysis of temperature dependent extracellular proteins from Aspergillus fumigatus grown under solid-state culture condition. *Journal of Proteome Research*, **2013**, 12, 2715-31	5.6	26
97	Proteomics of plaques and novel sources of potential biomarkers for atherosclerosis. *Proteomics - Clinical Applications*, **2013**, 7, 490-503	3.1	21
96	Correction of errors in tandem mass spectrum extraction enhances phosphopeptide identification. *Journal of Proteome Research*, **2013**, 12, 5548-57	5.6	9
95	Integrative transcriptome and proteome study to identify the signaling network regulated by POPX2 phosphatase. *Journal of Proteome Research*, **2013**, 12, 2525-36	5.6	17
94	Design and Synthesis of Minimalist Terminal Alkyne-Containing Diazirine Photo-Crosslinkers and Their Incorporation into Kinase Inhibitors for Cell- and Tissue-Based Proteome Profiling. *Angewandte Chemie*, **2013**, 125, 8713-8718	3.6	59
93	Deletion of Synechocystis sp. PCC 6803 leader peptidase LepB1 affects photosynthetic complexes and respiration. *Molecular and Cellular Proteomics*, **2013**, 12, 1192-203	7.6	15

92	Hypoxia modulates A431 cellular pathways association to tumor radioresistance and enhanced migration revealed by comprehensive proteomic and functional studies. *Molecular and Cellular Proteomics*, **2013**, 12, 485-98	7.6	56
91	Fungal Secretome for Biorefinery: Recent Advances in Proteomic Technology. *Mass Spectrometry Letters*, **2013**, 4, 1-9		7
90	Quantitative proteomic analysis of lignocellulolytic enzymes by Phanerochaete chrysosporium on different lignocellulosic biomass. *Journal of Proteomics*, **2012**, 75, 1493-504	3.9	63
89	Neuronal p60TRP expression modulates cardiac capacity. *Journal of Proteomics*, **2012**, 75, 1600-17	3.9	9
88	New insights into the brain protein metabolism of Gastrodia elata-treated rats by quantitative proteomics. *Journal of Proteomics*, **2012**, 75, 2468-79	3.9	23
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2	Local Regulation and Function of Importin-β During Transcription-Dependent Plasticity	1
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