

Michel Salzet

List of Publications by Year in descending order

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311
papers

10,851
citations

30070

54
h-index

54911

84
g-index

344
all docs

344
docs citations

344
times ranked

10258
citing authors

#	ARTICLE	IF	CITATIONS
1	The nervous system and innate immunity: the neuropeptide connection. <i>Nature Immunology</i> , 2005, 6, 558-564.	14.5	388
2	Direct Analysis and MALDI Imaging of Formalin-Fixed, Paraffin-Embedded Tissue Sections. <i>Journal of Proteome Research</i> , 2007, 6, 1295-1305.	3.7	285
3	Epithelialâ€mesenchymal transition in ovarian cancer. <i>Cancer Letters</i> , 2010, 291, 59-66.	7.2	254
4	Specific MALDI Imaging and Profiling for Biomarker Hunting and Validation:â€‰ Fragment of the 11S Proteasome Activator Complex, Reg Alpha Fragment, Is a New Potential Ovary Cancer Biomarker. <i>Journal of Proteome Research</i> , 2007, 6, 4127-4134.	3.7	192
5	Direct Detection of Alternative Open Reading Frames Translation Products in Human Significantly Expands the Proteome. <i>PLoS ONE</i> , 2013, 8, e70698.	2.5	192
6	MALDI-MS Direct Tissue Analysis of Proteins:â€‰ Improving Signal Sensitivity Using Organic Treatments. <i>Analytical Chemistry</i> , 2006, 78, 7145-7153.	6.5	170
7	Cell-Surface Estrogen Receptors Mediate Calcium-Dependent Nitric Oxide Release in Human Endothelia. <i>Circulation</i> , 2000, 101, 1594-1597.	1.6	165
8	Solid Ionic Matrixes for Direct Tissue Analysis and MALDI Imaging. <i>Analytical Chemistry</i> , 2006, 78, 809-819.	6.5	165
9	Presence and regulation of the endocannabinoid system in human dendritic cells. <i>FEBS Journal</i> , 2002, 269, 3771-3778.	0.2	157
10	MALDI Imaging of Formalin-Fixed Paraffin-Embedded Tissues: Application to Model Animals of Parkinson Disease for Biomarker Hunting. <i>Journal of Proteome Research</i> , 2008, 7, 969-978.	3.7	157
11	Involvement of Mytilins in Mussel Antimicrobial Defense. <i>Journal of Biological Chemistry</i> , 2000, 275, 12954-12962.	3.4	153
12	MALDI Imaging Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2023-2033.	3.8	149
13	Vertebrate innate immunity resembles a mosaic of invertebrate immune responses. <i>Trends in Immunology</i> , 2001, 22, 285-288.	6.8	129
14	Antimicrobial peptides from animals: focus on invertebrates. <i>Trends in Pharmacological Sciences</i> , 2002, 23, 494-496.	8.7	129
15	Molecular Crosstalk in Hostâ€Parasite Relationships:. <i>Parasitology Today</i> , 2000, 16, 536-540.	3.0	127
16	MALDI imaging and profiling MS of higher mass proteins from tissue. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1922-1929.	2.8	110
17	Comparative biology of the endocannabinoid system. <i>FEBS Journal</i> , 2000, 267, 4917-4927.	0.2	106
18	Morphine and Anandamide Stimulate Intracellular Calcium Transients in Human Arterial Endothelial Cells: Coupling to Nitric Oxide Release1Abbreviations: NOâ€Nitric oxide, cNOSâ€constitutive nitric oxide synthase.1. <i>Cellular Signalling</i> , 1999, 11, 189-193.	3.6	104

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19	Detergent addition to tryptic digests and ion mobility separation prior to MS/MS improves peptide yield and protein identification for <i>in situ</i> proteomic investigation of frozen and formalin-fixed paraffin-embedded adenocarcinoma tissue sections. <i>Proteomics</i> , 2009, 9, 2750-2763.	2.2	101
20	Liquid ionic matrixes for MALDI mass spectrometry imaging of lipids. <i>Journal of Proteomics</i> , 2010, 73, 1204-1218.	2.4	101
21	In vivo Real-Time Mass Spectrometry for Guided Surgery Application. <i>Scientific Reports</i> , 2016, 6, 25919.	3.3	100
22	A New Safety Concern for Glaucoma Treatment Demonstrated by Mass Spectrometry Imaging of Benzalkonium Chloride Distribution in the Eye, an Experimental Study in Rabbits. <i>PLoS ONE</i> , 2012, 7, e50180.	2.5	92
23	Resveratrol downregulates Akt/GSK and ERK signalling pathways in OVCAR-3 ovarian cancer cells. <i>Molecular BioSystems</i> , 2012, 8, 1078.	2.9	91
24	Enkefalin and opioid peptide association in invertebrates and vertebrates: immune activation and pain. <i>Trends in Immunology</i> , 1998, 19, 265-268.	7.5	90
25	The multiverse nature of epithelial to mesenchymal transition. <i>Seminars in Cancer Biology</i> , 2019, 58, 1-10.	9.6	90
26	Molecular Characterization of Two Novel Antibacterial Peptides Inducible upon Bacterial Challenge in an Annelid, the Leech <i>Theromyzon tessulatatum</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 30973-30982.	3.4	87
27	Morphine- and anandamide-stimulated nitric oxide production inhibits presynaptic dopamine release. <i>Brain Research</i> , 1997, 763, 63-68.	2.2	85
28	Microbial Challenge Promotes the Regenerative Process of the Injured Central Nervous System of the Medicinal Leech by Inducing the Synthesis of Antimicrobial Peptides in Neurons and Microglia. <i>Journal of Immunology</i> , 2008, 181, 1083-1095.	0.8	85
29	Development of liquid microjunction extraction strategy for improving protein identification from tissue sections. <i>Journal of Proteomics</i> , 2013, 79, 200-218.	2.4	82
30	Antagonism of LPS and IFN- γ Induction of iNOS in Human Saphenous Vein Endothelium by Morphine and Anandamide by Nitric Oxide Inhibition of Adenylate Cyclase. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 31, 813-820.	1.9	82
31	Morphine and anandamide coupling to nitric oxide stimulates GnRH and CRF release from rat median eminence: neurovascular regulation. <i>Brain Research</i> , 1998, 790, 236-244.	2.2	78
32	Tag-Mass: A Specific Molecular Imaging of Transcriptome and Proteome by Mass Spectrometry Based on Photocleavable Tag. <i>Journal of Proteome Research</i> , 2007, 6, 2057-2067.	3.7	78
33	Identification and characterization of the leech CNS cannabinoid receptor: coupling to nitric oxide release. <i>Brain Research</i> , 1997, 753, 219-224.	2.2	77
34	Isolation, structural characterization and biological function of a lysine-conopressin in the central nervous system of the Pharyngobdellid leech <i>Erpobdella octoculata</i> . <i>FEBS Journal</i> , 1993, 217, 897-903.	0.2	74
35	Leech immunocytes contain proopiomelanocortin: nitric oxide mediates hemolymph proopiomelanocortin processing. <i>Journal of Immunology</i> , 1997, 159, 5400-11.	0.8	74
36	Crosstalk between nervous and immune systems through the animal kingdom: focus on opioids. <i>Trends in Neurosciences</i> , 2000, 23, 550-555.	8.6	73

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37	Improving Tissue Preparation for Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging. Part 1: Using Microspotting. <i>Analytical Chemistry</i> , 2009, 81, 8193-8202.	6.5	73
38	Multivariate analyses for biomarkers hunting and validation through on-tissue bottom-up or in-source decay in MALDI-MSI: application to prostate cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 149-165.	3.7	71
39	Real-Time Molecular Diagnosis of Tumors Using Water-Assisted Laser Desorption/Ionization Mass Spectrometry Technology. <i>Cancer Cell</i> , 2018, 34, 840-851.e4.	16.8	71
40	OpenProt 2021: deeper functional annotation of the coding potential of eukaryotic genomes. <i>Nucleic Acids Research</i> , 2021, 49, D380-D388.	14.5	71
41	On-Tissue N-Terminal Peptide Derivatizations for Enhancing Protein Identification in MALDI Mass Spectrometric Imaging Strategies. <i>Analytical Chemistry</i> , 2009, 81, 8305-8317.	6.5	70
42	Tissue imaging using MALDI-MS: a new frontier of histopathology proteomics. <i>Expert Review of Proteomics</i> , 2008, 5, 413-424.	3.0	69
43	A specific lipid metabolic profile is associated with the epithelial mesenchymal transition program. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 344-357.	2.4	69
44	Characterisation of proteins differentially present in the plasma of <i>Biomphalaria glabrata</i> susceptible or resistant to <i>Echinostoma caproni</i> . <i>International Journal for Parasitology</i> , 2005, 35, 215-224.	3.1	67
45	Molecular Validation of PACE4 as a Target in Prostate Cancer. <i>Translational Oncology</i> , 2011, 4, 157-IN9.	3.7	67
46	Estradiol-stimulated nitric oxide release in human granulocytes is dependent on intracellular calcium transients: evidence of a cell surface estrogen receptor. <i>Blood</i> , 2000, 95, 3951-3958.	1.4	66
47	Evidence for an endocannabinoid system in the central nervous system of the leech <i>Hirudo medicinalis</i> . <i>Molecular Brain Research</i> , 2001, 87, 145-159.	2.3	61
48	Anticoagulants and inhibitors of platelet aggregation derived from leeches. <i>FEBS Letters</i> , 2001, 492, 187-192.	2.8	60
49	Antimicrobial peptides versus parasitic infections?. <i>Trends in Parasitology</i> , 2002, 18, 475-476.	3.3	60
50	Long-Term Exposure of Human Blood Vessels to HIV gp120, Morphine, and Anandamide Increases Endothelial Adhesion of Monocytes: Uncoupling of Nitric Oxide Release. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 31, 862-868.	1.9	60
51	MALDI imaging mass spectrometry in ovarian cancer for tracking, identifying, and validating biomarkers. <i>Medical Science Monitor</i> , 2010, 16, BR233-45.	1.1	60
52	Invertebrate Opioid Precursors: Evolutionary Conservation and the Significance of Enzymatic Processing. <i>International Review of Cytology</i> , 1999, 187, 261-286.	6.2	59
53	Small Proteins Encoded by Unannotated ORFs are Rising Stars of the Proteome, Confirming Shortcomings in Genome Annotations and Current Vision of an mRNA. <i>Proteomics</i> , 2018, 18, e1700058.	2.2	59
54	Ovarian cancer molecular pathology. <i>Cancer and Metastasis Reviews</i> , 2012, 31, 713-732.	5.9	57

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55	The endocannabinoid system in invertebrates. Prostaglandins Leukotrienes and Essential Fatty Acids, 2002, 66, 353-361.	2.2	56
56	Innate Immunity in Lophotrochozoans: The Annelids. Current Pharmaceutical Design, 2006, 12, 3043-3050.	1.9	56
57	Î²-Catenin Knockdown Affects Mitochondrial Biogenesis and Lipid Metabolism in Breast Cancer Cells. Frontiers in Physiology, 2017, 8, 544.	2.8	55
58	Molecular MALDI imaging: An emerging technology for neuroscience studies. Developmental Neurobiology, 2008, 68, 845-858.	3.0	54
59	Proteome-wide characterization of signalling interactions in the hippocampal CA4/DG subfield of patients with Alzheimer's disease. Scientific Reports, 2015, 5, 11138.	3.3	54
60	Invertebrate proenkephalin: Î³ opioid binding sites in leech ganglia and immunocytes. Brain Research, 1997, 768, 224-232.	2.2	52
61	MALDI mass spectrometry imaging of proteins exceeding 30,000 daltons. Medical Science Monitor, 2010, 16, BR293-9.	1.1	52
62	Leech Thrombin Inhibitors. Current Pharmaceutical Design, 2002, 8, 493-503.	1.9	50
63	Construction of a medicinal leech transcriptome database and its application to the identification of leech homologs of neural and innate immune genes. BMC Genomics, 2010, 11, 407.	2.8	50
64	Lipid Changes Associated with Traumatic Brain Injury Revealed by 3D MALDI-MSI. Analytical Chemistry, 2018, 90, 10568-10576.	6.5	50
65	New Developments in MALDI Imaging for Pathology Proteomic Studies. Current Pharmaceutical Design, 2007, 13, 3317-3324.	1.9	49
66	Translating epithelial mesenchymal transition markers into the clinic: Novel insights from proteomics. EuPA Open Proteomics, 2016, 10, 31-41.	2.5	49
67	Evidence for a novel chemotactic C1q domain-containing factor in the leech nerve cord. Molecular Immunology, 2009, 46, 523-531.	2.2	48
68	Proteomic characterisation of leech microglia extracellular vesicles (EVs): comparison between differential ultracentrifugation and Optiprep density gradient isolation. Journal of Extracellular Vesicles, 2019, 8, 1603048.	12.2	48
69	Mytilus edulis hemolymph contains pro-opiomelanocortin: LPS and morphine stimulate differential processing. Molecular Brain Research, 1999, 63, 340-350.	2.3	47
70	Theromin, a Novel Leech Thrombin Inhibitor. Journal of Biological Chemistry, 2000, 275, 30774-30780.	3.4	47
71	Localized Intrathecal Delivery of Mesenchymal Stromal Cells Conditioned Medium Improves Functional Recovery in a Rat Model of Spinal Cord Injury. International Journal of Molecular Sciences, 2018, 19, 870.	4.1	47
72	The angiotensin system elements in invertebrates. Brain Research Reviews, 2001, 36, 35-45.	9.0	46

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73	Localization of Secondary Metabolites in Marine Invertebrates: Contribution of MALDI MSI for the Study of Saponins in Cuvierian Tubules of <i>H. forskali</i> . PLoS ONE, 2010, 5, e13923.	2.5	46
74	Spatially-resolved protein surface microsampling from tissue sections using liquid extraction surface analysis. Proteomics, 2016, 16, 1622-1632.	2.2	46
75	Proenkephalin A-derived peptides in invertebrate innate immune processes. Molecular Brain Research, 2000, 76, 237-252.	2.3	45
76	Combined Mass Spectrometry Imaging and Top-down Microproteomics Reveals Evidence of a Hidden Proteome in Ovarian Cancer. EBioMedicine, 2017, 21, 55-64.	6.1	45
77	Therostasin, a Novel Clotting Factor Xa Inhibitor from the Rhynchobdellid Leech, <i>Theromyzon tessulatum</i> . Journal of Biological Chemistry, 2000, 275, 32701-32707.	3.4	44
78	The Protein Coded by a Short Open Reading Frame, Not by the Annotated Coding Sequence, Is the Main Gene Product of the Dual-Coding Gene MIEF1. Molecular and Cellular Proteomics, 2018, 17, 2402-2411.	3.8	44
79	MITICS (MALDI Imaging Team Imaging Computing System): A new open source mass spectrometry imaging software. Journal of Proteomics, 2008, 71, 332-345.	2.4	43
80	Brain-Cortex Microglia-Derived Exosomes: Nanoparticles for Glioma Therapy. ChemPhysChem, 2018, 19, 1205-1214.	2.1	43
81	FMRamide-related peptides in the sex segmental ganglia of the Pharyngobdellid leech <i>Erpobdella octoculata</i> . Identification and involvement in the control of hydric balance. FEBS Journal, 1994, 221, 269-275.	0.2	42
82	Proteomic Analysis of the Spatio-temporal Based Molecular Kinetics of Acute Spinal Cord Injury Identifies a Time- and Segment-specific Window for Effective Tissue Repair. Molecular and Cellular Proteomics, 2016, 15, 2641-2670.	3.8	42
83	Antimicrobial peptides are signaling molecules. Trends in Immunology, 2002, 23, 283-284.	6.8	41
84	Water-assisted laser desorption/ionization mass spectrometry for minimally invasive in vivo and real-time surface analysis using SpiderMass. Nature Protocols, 2019, 14, 3162-3182.	12.0	41
85	Macrophage behavior associated with acute and chronic exposure to HIV GP120, morphine and anandamide: endothelial implications. International Journal of Cardiology, 1998, 64, S3-S13.	1.7	40
86	Microglia of medicinal leech (<i>Hirudo medicinalis</i>) express a specific activation marker homologous to vertebrate ionized calcium-binding adapter molecule 1 (<i>Iba1</i> /alias <i>aif1</i>). Developmental Neurobiology, 2014, 74, 987-1001.	3.0	40
87	Cancer and life-history traits: lessons from host-parasite interactions. Parasitology, 2016, 143, 533-541.	1.5	40
88	Structural Characterization of a Diuretic Peptide from the Central Nervous System of the Leech <i>Erpobdella octoculata</i> . Journal of Biological Chemistry, 1995, 270, 1575-1582.	3.4	39
89	Invertebrate molecular neuroimmune processes. Brain Research Reviews, 2000, 34, 69-79.	9.0	39
90	Presence of chromogranin-derived antimicrobial peptides in plasma during coronary artery bypass surgery and evidence of an immune origin of these peptides. Blood, 2002, 100, 553-559.	1.4	39

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91	Microproteomics by liquid extraction surface analysis: Application to FFPE tissue to study the fimbria region of tubo-ovarian cancer. <i>Proteomics - Clinical Applications</i> , 2013, 7, 234-240.	1.6	39
92	Deciphering the Immune Function and Regulation by a TLR of the Cytokine EMAPII in the Lesioned Central Nervous System Using a Leech Model. <i>Journal of Immunology</i> , 2009, 183, 7119-7128.	0.8	38
93	Involvement of pro-enkephalin-derived peptides in immunity. <i>Developmental and Comparative Immunology</i> , 2001, 25, 177-185.	2.3	37
94	MALDI Direct Analysis and Imaging of Frozen Versus FFPE Tissues: What Strategy for Which Sample?. <i>Methods in Molecular Biology</i> , 2010, 656, 303-322.	0.9	37
95	Serpins: an evolutionarily conserved survival strategy. <i>Trends in Immunology</i> , 1999, 20, 541-544.	7.5	36
96	Evaluation of non-supervised MALDI mass spectrometry imaging combined with microproteomics for glioma grade III classification. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 875-890.	2.3	36
97	Spatially-Resolved Top-down Proteomics Bridged to MALDI MS Imaging Reveals the Molecular Physiome of Brain Regions. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 357-372.	3.8	36
98	Isolation of microglia-derived extracellular vesicles: towards miRNA signatures and neuroprotection. <i>Journal of Nanobiotechnology</i> , 2019, 17, 119.	9.1	36
99	Transcriptomic analysis in the leech <i>Theromyzon tessulatum</i> : involvement of cystatin B in innate immunity. <i>Biochemical Journal</i> , 2004, 380, 617-625.	3.7	35
100	A homologous form of human interleukin 16 is implicated in microglia recruitment following nervous system injury in leech <i>Hirudo medicinalis</i> . <i>Glia</i> , 2010, 58, 1649-1662.	4.9	35
101	Human temporal lobe epilepsy analyses by tissue proteomics. <i>Hippocampus</i> , 2014, 24, 628-642.	1.9	35
102	Cumulative learning enables convolutional neural network representations for small mass spectrometry data classification. <i>Nature Communications</i> , 2020, 11, 5595.	12.8	35
103	Pharmacological evidence for anandamide amidase in human cardiac and vascular tissues. <i>International Journal of Cardiology</i> , 1998, 64, S15-S22.	1.7	34
104	Reciprocal immune benefit based on complementary production of antibiotics by the leech <i>Hirudo verbana</i> and its gut symbiont <i>Aeromonas veronii</i> . <i>Scientific Reports</i> , 2015, 5, 17498.	3.3	34
105	Extracellular vesicles: pathogenetic, diagnostic and therapeutic value in traumatic brain injury. <i>Expert Review of Proteomics</i> , 2018, 15, 451-461.	3.0	34
106	Angiogenesis and Vascularization of Uterine Leiomyoma: Clinical Value of Pseudocapsule Containing Peptides and Neurotransmitters. <i>Current Protein and Peptide Science</i> , 2016, 18, 129-139.	1.4	34
107	Quantification-Based Mass Spectrometry Imaging of Proteins by Parafilm Assisted Microdissection. <i>Analytical Chemistry</i> , 2013, 85, 8127-8134.	6.5	33
108	Liquid biopsies for diagnosing and monitoring primary tumors of the central nervous system. <i>Cancer Letters</i> , 2020, 480, 24-28.	7.2	33

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109	Biochemical evidence of angiotensin II-like peptides and proteins in the brain of the rhynchobdellid leech <i>Theromyzon tessulatum</i> . <i>Brain Research</i> , 1993, 631, 247-255.	2.2	32
110	Disruption of Proprotein Convertase 1/3 (PC1/3) Expression in Mice Causes Innate Immune Defects and Uncontrolled Cytokine Secretion. <i>Journal of Biological Chemistry</i> , 2012, 287, 14703-14717.	3.4	32
111	Optimized Sample Preparation Workflow for Improved Identification of Ghost Proteins. <i>Analytical Chemistry</i> , 2020, 92, 1122-1129.	6.5	32
112	A comparison of the leech <i>Theromyzon tessulatum</i> angiotensin I-like molecule with forms of vertebrate angiotensinogens: a hormonal system conserved in the course of evolution. <i>Neuroscience Letters</i> , 1995, 190, 175-178.	2.1	31
113	Anandamide amidase inhibition enhances anandamide-stimulated nitric oxide release in invertebrate neural tissues. <i>Brain Research</i> , 1998, 793, 341-345.	2.2	31
114	Lipopolysaccharide mediated regulation of neuroendocrine associated proprotein convertases and neuropeptide precursor processing in the rat spleen. <i>Journal of Neuroimmunology</i> , 2006, 171, 57-71.	2.3	31
115	Molecular Profiling of Native and Matrix-Coated Tissue Slices from Rat Brain by Infrared and Ultraviolet Laser Desorption/Ionization Orthogonal Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 2463-2471.	6.5	31
116	TARGETED MASS spectrometry Imaging: Specific Targeting Mass Spectrometry imaging technologies from history to perspective. <i>Progress in Histochemistry and Cytochemistry</i> , 2012, 47, 133-174.	5.1	31
117	Up-regulation of Neurohemerythrin Expression in the Central Nervous System of the Medicinal Leech, <i>Hirudo medicinalis</i> , following Septic Injury. <i>Journal of Biological Chemistry</i> , 2004, 279, 43828-43837.	3.4	30
118	Automated Querying and Identification of Novel Peptides using MALDI Mass Spectrometric Imaging. <i>Journal of Proteome Research</i> , 2011, 10, 1915-1928.	3.7	30
119	Implications of Proprotein Convertases in Ovarian Cancer Cell Proliferation and Tumor Progression: Insights for PACE4 as a Therapeutic Target. <i>Translational Oncology</i> , 2014, 7, 410-419.	3.7	30
120	Evidence for angiotensin-like molecules in the central nervous system of the leech <i>Theromyzon tessulatum</i> (O.F.M.). A possible diuretic effect. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1992, 101, 83-90.	0.6	29
121	The C-terminal fragment of the immunoproteasome PA28S (Reg alpha) as an early diagnosis and tumor-relapse biomarker: evidence from mass spectrometry profiling. <i>Histochemistry and Cell Biology</i> , 2012, 138, 141-154.	1.7	29
122	Comparative proteome profiling of breast tumor cell lines by gel electrophoresis and mass spectrometry reveals an epithelial mesenchymal transition associated protein signature. <i>Molecular BioSystems</i> , 2013, 9, 1127-1138.	2.9	29
123	Alterations of protein composition along the rostro-caudal axis after spinal cord injury: proteomic, in vitro and in vivo analyses. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 105.	3.7	29
124	$\hat{1}2$ opioid receptor subtype on human vascular endothelium uncouples morphine stimulated nitric oxide release. <i>International Journal of Cardiology</i> , 1998, 64, S43-S51.	1.7	28
125	Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging of Lipids in Experimental Model of Traumatic Brain Injury Detecting Acylcarnitines as Injury Related Markers. <i>Analytical Chemistry</i> , 2019, 91, 11879-11887.	6.5	28
126	Spinal Cord Injury: Animal Models, Imaging Tools and the Treatment Strategies. <i>Neurochemical Research</i> , 2020, 45, 134-143.	3.3	28

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127	The presence of antibacterial and opioid peptides in human plasma during coronary artery bypass surgery. <i>Journal of Neuroimmunology</i> , 2000, 109, 228-235.	2.3	27
128	Direct analysis of neuropeptides by in situ MALDI-TOF mass spectrometry in the rat brain. <i>Neuroendocrinology Letters</i> , 2003, 24, 9-14.	0.2	27
129	Oxytocin-like peptide: a novel epitope colocalized with the FMRFamide-like peptide in the supernumerary neurons of the sex segmental ganglia of leeches—morphological and biochemical characterization; putative anti-diuretic function. <i>Brain Research</i> , 1993, 601, 173-184.	2.2	26
130	Isolation and structural characterization of enkephalins in the brain of the Rhynchobdellid leech <i>Theromyzon tessulatum</i> . <i>FEBS Letters</i> , 1995, 357, 187-191.	2.8	26
131	Characterization and immune function of two intracellular sensors, HmTLR1 and HmNLR, in the injured CNS of an invertebrate. <i>Developmental and Comparative Immunology</i> , 2011, 35, 214-226.	2.3	26
132	Morphine coupling to invertebrate immunocyte nitric oxide release is dependent on intracellular calcium transients. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1999, 123, 295-299.	1.6	25
133	μ Opiate receptor expression in lung and lung carcinoma: ligand binding and coupling to nitric oxide release. <i>Cancer Letters</i> , 1999, 146, 45-51.	7.2	25
134	NanoLC-MS coupling of liquid microjunction microextraction for on-tissue proteomic analysis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 891-900.	2.3	25
135	Medicinal Leech CNS as a Model for Exosome Studies in the Crosstalk between Microglia and Neurons. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4124.	4.1	25
136	Cancer Surgery 2.0: Guidance by Real-Time Molecular Technologies. <i>Trends in Molecular Medicine</i> , 2021, 27, 602-615.	6.7	25
137	Cloning, expression and pharmacological characterization of a vasopressin-related receptor in an annelid, the leech <i>Theromyzon tessulatum</i> . <i>Journal of Endocrinology</i> , 2005, 184, 277-289.	2.6	24
138	AMASS: Algorithm for MSI Analysis by Semi-supervised Segmentation. <i>Journal of Proteome Research</i> , 2011, 10, 4734-4743.	3.7	24
139	Modulation properties of factors released by bone marrow stromal cells on activated microglia: an in vitro study. <i>Scientific Reports</i> , 2014, 4, 7514.	3.3	24
140	Oxidative Stress in Aging Brain: Nutritional and Pharmacological Interventions for Neurodegenerative Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-2.	4.0	24
141	Alternative proteins are functional regulators in cell reprogramming by PKA activation. <i>Nucleic Acids Research</i> , 2020, 48, 7864-7882.	14.5	24
142	Biochemical properties of the angiotensin-converting-like enzyme from the leech <i>Theromyzon tessulatum</i> . <i>Peptides</i> , 1996, 17, 737-745.	2.4	23
143	Characterization of the first non-insect invertebrate functional angiotensin-converting enzyme (ACE): leech TtACE resembles the N-domain of mammalian ACE. <i>Biochemical Journal</i> , 2004, 382, 565-573.	3.7	23
144	Nuclei of HeLa cells interactomes unravel a network of ghost proteins involved in proteins translation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1458-1470.	2.4	23

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145	Mapping Spatiotemporal Microproteomics Landscape in Experimental Model of Traumatic Brain Injury Unveils a link to Parkinson's Disease*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1669-1682.	3.8	23
146	Utilisation of Ambient Laser Desorption Ionisation Mass Spectrometry (ALDI-MS) Improves Lipid-Based Microbial Species Level Identification. <i>Scientific Reports</i> , 2019, 9, 3006.	3.3	23
147	Cathepsin L and cystatin B gene expression discriminates immune cÀ“lomic cells in the leech <i>Theromyzon tessulatum</i> . <i>Developmental and Comparative Immunology</i> , 2008, 32, 795-807.	2.3	22
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