

Petr Novak

List of Publications by Year in descending order

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166
papers

5,186
citations

126708

33
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123241

61
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171
all docs

171
docs citations

171
times ranked

7693
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>mMass</i> 3: A Cross-Platform Software Environment for Precise Analysis of Mass Spectrometric Data. <i>Analytical Chemistry</i> , 2010, 82, 4648-4651.	3.2	697
2	A reference genome for pea provides insight into legume genome evolution. <i>Nature Genetics</i> , 2019, 51, 1411-1422.	9.4	363
3	Non-T Cell Activation Linker (NTAL). <i>Journal of Experimental Medicine</i> , 2002, 196, 1617-1626.	4.2	192
4	Global analysis of repetitive DNA from unassembled sequence reads using RepeatExplorer2. <i>Nature Protocols</i> , 2020, 15, 3745-3776.	5.5	144
5	Link between a novel human gammaD-crystallin allele and a unique cataract phenotype explained by protein crystallography. <i>Human Molecular Genetics</i> , 2000, 9, 1779-1786.	1.4	133
6	Cysteine S-glycosylation, a new post-translational modification found in glycopeptide bacteriocins. <i>FEBS Letters</i> , 2011, 585, 645-650.	1.3	132
7	First Community-Wide, Comparative Cross-Linking Mass Spectrometry Study. <i>Analytical Chemistry</i> , 2019, 91, 6953-6961.	3.2	100
8	Repeat-sequence turnover shifts fundamentally in species with large genomes. <i>Nature Plants</i> , 2020, 6, 1325-1329.	4.7	87
9	Proteomic analysis of wheat proteins recognized by IgE antibodies of allergic patients. <i>Proteomics</i> , 2008, 8, 1677-1691.	1.3	81
10	Laser Desorption-Ionization of Lipid Transfers: Tissue Mass Spectrometry Imaging without MALDI Matrix. <i>Analytical Chemistry</i> , 2010, 82, 4994-4997.	3.2	78
11	Characterization of repeat arrays in ultra-long nanopore reads reveals frequent origin of satellite DNA from retrotransposon-derived tandem repeats. <i>Plant Journal</i> , 2020, 101, 484-500.	2.8	76
12	Intra-Molecular Cross-Linking of Acidic Residues for Protein Structure Studies. <i>European Journal of Mass Spectrometry</i> , 2008, 14, 355-365.	0.5	67
13	Automated Ambient Desorption-Ionization Platform for Surface Imaging Integrated with a Commercial Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. <i>Analytical Chemistry</i> , 2009, 81, 8479-8487.	3.2	67
14	Effective Removal of Nonionic Detergents in Protein Mass Spectrometry, Hydrogen/Deuterium Exchange, and Proteomics. <i>Analytical Chemistry</i> , 2010, 82, 5107-5116.	3.2	63
15	A Top-down method for the determination of residue-specific solvent accessibility in proteins. <i>Journal of Mass Spectrometry</i> , 2004, 39, 322-328.	0.7	61
16	Dating the Species Network: Allopolyploidy and Repetitive DNA Evolution in American Daisies (<i>Melampodium</i> sect. <i>Melampodium</i> , Asteraceae). <i>Systematic Biology</i> , 2018, 67, 1010-1024.	2.7	54
17	Synthesis and Structural Study of Organoantimony(III) and Organobismuth(III) Triflates and Cations Containing O,C,O-Pincer Type Ligands. <i>Organometallics</i> , 2007, 26, 2911-2917.	1.1	53
18	Strategy for selective chemical cross-linking of tyrosine and lysine residues. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1604-1611.	1.2	52

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19	Nuclear DNA helicase II is recruited to IFN- λ -activated transcription sites at PML nuclear bodies. <i>Journal of Cell Biology</i> , 2002, 158, 463-473.	2.3	50
20	Structure and dynamics of dark-state bovine rhodopsin revealed by chemical cross-linking and high-resolution mass spectrometry. <i>Protein Science</i> , 2006, 15, 1303-1317.	3.1	50
21	Visualizing spatial lipid distribution in porcine lens by MALDI imaging high-resolution mass spectrometry. <i>Journal of Lipid Research</i> , 2010, 51, 2295-2302.	2.0	50
22	Poly[<i>N</i> -(2-hydroxypropyl)methacrylamide]-Based Tissue-Embedding Medium Compatible with MALDI Mass Spectrometry Imaging Experiments. <i>Analytical Chemistry</i> , 2011, 83, 5458-5462.	3.2	48
23	A Top-Down Approach to Protein Structure Studies Using Chemical Cross-Linking and Fourier Transform Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2003, 9, 623-631.	0.5	46
24	High-throughput analysis of tetracycline antibiotics and their epimers in liquid hog manure using Ultra Performance Liquid Chromatography with UV detection. <i>Chemosphere</i> , 2010, 78, 353-359.	4.2	46
25	Vitamin B2 as a virulence factor in <i>Pseudogymnoascus destructans</i> skin infection. <i>Scientific Reports</i> , 2016, 6, 33200.	1.6	46
26	Specific Nuclear Localizing Sequence Directs Two Myosin Isoforms to the Cell Nucleus in Calmodulin-Sensitive Manner. <i>PLoS ONE</i> , 2012, 7, e30529.	1.1	44
27	Impact of Chemical Cross-Linking on Protein Structure and Function. <i>Analytical Chemistry</i> , 2018, 90, 1104-1113.	3.2	44
28	The cyanobacterial metabolite nocuolin a is a natural oxadiazine that triggers apoptosis in human cancer cells. <i>PLoS ONE</i> , 2017, 12, e0172850.	1.1	43
29	Extraordinary Sequence Diversity and Promiscuity of Centromeric Satellites in the Legume Tribe Fabaeae. <i>Molecular Biology and Evolution</i> , 2020, 37, 2341-2356.	3.5	42
30	Determination of the complete covalent structure of the major glycoform of DQH sperm surface protein, a novel trypsin-resistant boar seminal plasma O-glycoprotein related to pB1 protein. <i>Protein Science</i> , 1999, 8, 1551-1556.	3.1	41
31	Unambiguous Assignment of Intramolecular Chemical Cross-Links in Modified Mammalian Membrane Proteins by Fourier Transform-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 5101-5106.	3.2	40
32	Synthesis of chito oligomer-based glycoconjugates and their binding to the rat natural killer cell activation receptor NKR-P1. <i>Glycoconjugate Journal</i> , 2001, 18, 817-826.	1.4	39
33	Evolutionary history of ergot with a new infrageneric classification (Hypocreales: Clavicipitaceae: Tj ETQq1 1 0.784314 rgBT /Overloc 1.2 39	1.2	39
34	A New Type of Membrane Raft-Like Microdomains and Their Possible Involvement in TCR Signaling. <i>Journal of Immunology</i> , 2010, 184, 3689-3696.	0.4	37
35	Differential Genome Size and Repetitive DNA Evolution in Diploid Species of <i>Melampodium</i> sect. <i>Melampodium</i> (Asteraceae). <i>Frontiers in Plant Science</i> , 2020, 11, 362.	1.7	37
36	Molecular architecture of mouse activating NKR-P1 receptors. <i>Journal of Structural Biology</i> , 2011, 175, 434-441.	1.3	34

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37	Structural basis of the 14-3-3 protein-dependent activation of yeast neutral trehalase Nth1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4491-4499.	1.1	34
38	PSTPIP2, a Protein Associated with Autoinflammatory Disease, Interacts with Inhibitory Enzymes SHIP1 and Csk. <i>Journal of Immunology</i> , 2015, 195, 3416-3426.	0.4	34
39	Mass spectrometric analysis of the glycosphingolipid-enriched microdomains of rat natural killer cells. <i>Proteomics</i> , 2005, 5, 113-122.	1.3	31
40	Single-step affinity purification of recombinant proteins using a self-excising module from <i>Neisseria meningitidis</i> FrpC. <i>Protein Science</i> , 2008, 17, 1834-1843.	3.1	31
41	Modified electrophoretic and digestion conditions allow a simplified mass spectrometric evaluation of disulfide bonds. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1571-1578.	0.7	31
42	Pharmacological inhibition of fatty-acid oxidation synergistically enhances the effect of l-asparaginase in childhood ALL cells. <i>Leukemia</i> , 2016, 30, 209-218.	3.3	31
43	Chemical Cross-Linking and H/D Exchange for Fast Refinement of Protein Crystal Structure. <i>Analytical Chemistry</i> , 2012, 84, 867-870.	3.2	30
44	The Cyanobacterial Cyclic Lipopeptides Puwainaphycins F/G Are Inducing Necrosis via Cell Membrane Permeabilization and Subsequent Unusual Actin Relocalization. <i>Chemical Research in Toxicology</i> , 2012, 25, 1203-1211.	1.7	30
45	Novel Aeruginosin-865 from <i>Nostoc</i> sp. as a Potent Anti-inflammatory Agent. <i>ChemBioChem</i> , 2013, 14, 2329-2337.	1.3	30
46	Characterization of Pseudacyclins A-E, a Suite of Cyclic Peptides Produced by <i>Pseudallescheria boydii</i> . <i>Journal of Natural Products</i> , 2010, 73, 1027-1032.	1.5	29
47	Interaction of <i>Bordetella</i> adenylate cyclase toxin with complement receptor 3 involves multivalent glycan binding. <i>FEBS Letters</i> , 2015, 589, 374-379.	1.3	29
48	Separation of nuclear protein complexes by blue native polyacrylamide gel electrophoresis. <i>Electrophoresis</i> , 2006, 27, 1277-1287.	1.3	28
49	Characterization of DESI-FTICR mass spectrometry from ECD to accurate mass tissue analysis. <i>Journal of Mass Spectrometry</i> , 2008, 43, 196-203.	0.7	27
50	New insight into the role of a base in the mechanism of imine transfer hydrogenation on a Ru(ii) half-sandwich complex. <i>Dalton Transactions</i> , 2013, 42, 5174.	1.6	27
51	Mapping protein structural changes by quantitative cross-linking. <i>Methods</i> , 2015, 89, 112-120.	1.9	27
52	Relapsed acute lymphoblastic leukemia-specific mutations in NT5C2 cluster into hotspots driving intersubunit stimulation. <i>Leukemia</i> , 2018, 32, 1393-1403.	3.3	27
53	Affinity switching of the LEDGF/p75 IBD interactome is governed by kinase-dependent phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7053-E7062.	3.3	27
54	Lincosamide Synthetase-A Unique Condensation System Combining Elements of Nonribosomal Peptide Synthetase and Mycothiol Metabolism. <i>PLoS ONE</i> , 2015, 10, e0118850.	1.1	27

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55	Soluble recombinant CD69 receptors optimized to have an exceptional physical and chemical stability display prolonged circulation and remain intact in the blood of mice. <i>FEBS Journal</i> , 2008, 275, 5589-5606.	2.2	26
56	Changes in the expression of N- and O-glycopeptides in patients with colorectal cancer and hepatocellular carcinoma quantified by full-MS scan FT-ICR and multiple reaction monitoring. <i>Journal of Proteomics</i> , 2017, 153, 44-52.	1.2	26
57	Nondisjunction and unequal spindle organization accompany the drive of <i>Aegilops speltoides</i> B chromosomes. <i>New Phytologist</i> , 2019, 223, 1340-1352.	3.5	26
58	Abnormal expression and processing of uromodulin in Fabry disease reflects tubular cell storage alteration and is reversible by enzyme replacement therapy. <i>Journal of Inherited Metabolic Disease</i> , 2008, 31, 508-517.	1.7	25
59	Structural Basis for the 14-3-3 Protein-dependent Inhibition of the Regulator of G Protein Signaling 3 (RGS3) Function. <i>Journal of Biological Chemistry</i> , 2011, 286, 43527-43536.	1.6	25
60	Increased expression of secretory actin-binding protein on human spermatozoa is associated with poor semen quality. <i>Human Reproduction</i> , 2007, 22, 1396-1404.	0.4	24
61	Structure of the dimeric N-glycosylated form of fungal β -N-acetylhexosaminidase revealed by computer modeling, vibrational spectroscopy, and biochemical studies. <i>BMC Structural Biology</i> , 2007, 7, 32.	2.3	24
62	Lincomycin Biosynthesis Involves a Tyrosine Hydroxylating Heme Protein of an Unusual Enzyme Family. <i>PLoS ONE</i> , 2013, 8, e79974.	1.1	24
63	A proteolytically truncated form of free CD18, the common chain of leukocyte integrins, as a novel marker of activated myeloid cells. <i>Blood</i> , 2001, 98, 1561-1566.	0.6	23
64	Chemical Cross-Linking and Mass Spectrometry as Structure Determination Tools. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 105-113.	0.5	23
65	Large Propeptides of Fungal β -N-Acetylhexosaminidases Are Novel Enzyme Regulators That Must Be Intracellularly Processed to Control Activity, Dimerization, and Secretion into the Extracellular Environment. <i>Biochemistry</i> , 2007, 46, 2719-2734.	1.2	23
66	Hydroxylated anthraquinones produced by <i>Geosmithia</i> species. <i>Folia Microbiologica</i> , 2009, 54, 179-187.	1.1	23
67	Role of the EF-hand-like Motif in the 14-3-3 Protein-mediated Activation of Yeast Neutral Trehalase Nth1. <i>Journal of Biological Chemistry</i> , 2014, 289, 13948-13961.	1.6	23
68	Reductant-induced Free Radical Fluoroalkylation of Nitrogen Heterocycles and Innate Aromatic Amino Acid Residues in Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2019, 25, 15779-15785.	1.7	23
69	Chromosome-scale genome assembly for the duckweed <i>Spirodela intermedia</i> , integrating cytogenetic maps, PacBio and Oxford Nanopore libraries. <i>Scientific Reports</i> , 2020, 10, 19230.	1.6	23
70	Spatial Distribution of Glycerophospholipids in the Ocular Lens. <i>PLoS ONE</i> , 2011, 6, e19441.	1.1	23
71	Shikonin regulates C-MYC and GLUT1 expression through the MST1-YAP1-TEAD1 axis. <i>Experimental Cell Research</i> , 2016, 349, 273-281.	1.2	22
72	Impact of parasitic lifestyle and different types of centromere organization on chromosome and genome evolution in the plant genus <i>Cuscuta</i> . <i>New Phytologist</i> , 2021, 229, 2365-2377.	3.5	22

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73	Molecular Interactions Driving Intermediate Filament Assembly. <i>Cells</i> , 2021, 10, 2457.	1.8	22
74	Mouse Clr-g, a Ligand for NK Cell Activation Receptor NKR-P1F: Crystal Structure and Biophysical Properties. <i>Journal of Immunology</i> , 2012, 189, 4881-4889.	0.4	21
75	<i>In situ</i> enrichment of phosphopeptides on MALDI plates modified by ambient ion landing. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1294-1302.	0.7	21
76	Biologically Active Metabolites Produced by the Basidiomycete <i>Quambalaria cyanescens</i> . <i>PLoS ONE</i> , 2015, 10, e0118913.	1.1	20
77	Paxillin-dependent regulation of <i>IGF2</i> / <i>H19</i> gene cluster expression. <i>Journal of Cell Science</i> , 2015, 128, 3106-16.	1.2	20
78	Binding of eIF3 in complex with eIF5 and eIF1 to the 40S ribosomal subunit is accompanied by dramatic structural changes. <i>Nucleic Acids Research</i> , 2019, 47, 8282-8300.	6.5	20
79	High-level expression of soluble form of mouse natural killer cell receptor NKR-P1C(B6) in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2011, 77, 178-184.	0.6	19
80	The combination of hydrogen/deuterium exchange or chemical cross-linking techniques with mass spectrometry: Mapping of human 14-3-3 η homodimer interface. <i>Journal of Structural Biology</i> , 2012, 179, 10-17.	1.3	19
81	Structural Model of Lymphocyte Receptor NKR-P1C Revealed by Mass Spectrometry and Molecular Modeling. <i>Analytical Chemistry</i> , 2013, 85, 1597-1604.	3.2	19
82	The Dark Matter of Large Cereal Genomes: Long Tandem Repeats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2483.	1.8	19
83	Expression and purification of soluble and stable ectodomain of natural killer cell receptor LLT1 through high-density transfection of suspension adapted HEK293S GnT1 ⁻ cells. <i>Protein Expression and Purification</i> , 2015, 109, 7-13.	0.6	18
84	Planar Functionalized Surfaces for Direct Immunoaffinity Desorption/Ionization Mass Spectrometry. <i>Clinical Chemistry</i> , 2016, 62, 270-278.	1.5	18
85	The conserved tyrosine residue 940 plays a key structural role in membrane interaction of <i>Bordetella</i> adenylate cyclase toxin. <i>Scientific Reports</i> , 2017, 7, 9330.	1.6	18
86	Benefits of Ion Mobility Separation and Parallel Accumulation ⁻ Serial Fragmentation Technology on timsTOF Pro for the Needs of Fast Photochemical Oxidation of Protein Analysis. <i>ACS Omega</i> , 2021, 6, 10352-10361.	1.6	18
87	Heat Shock Protein 90 Recognized as an Iron-Binding Protein Associated with the Plasma Membrane of HeLa Cells. <i>Cellular Physiology and Biochemistry</i> , 2004, 14, 41-46.	1.1	17
88	New polyene macrolide family produced by submerged culture of <i>Streptomyces durmitorensis</i> . <i>Journal of Antibiotics</i> , 2011, 64, 717-722.	1.0	17
89	Targeting ERK-Hippo Interplay in Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3236.	1.8	17
90	Human Leukocytes Contain a Large Pool of Free Forms of CD18. <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 295-299.	1.0	16

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91	Cytotoxic Lipopeptide Muscotoxin A, Isolated from Soil Cyanobacterium <i>Desmonostoc muscorum</i> , Permeabilizes Phospholipid Membranes by Reducing Their Fluidity. <i>Chemical Research in Toxicology</i> , 2015, 28, 216-224.	1.7	16
92	Hydnocarpin-Type Flavonolignans: Semisynthesis and Inhibitory Effects on <i>Staphylococcus aureus</i> Biofilm Formation. <i>Journal of Natural Products</i> , 2015, 78, 2095-2103.	1.5	16
93	Application of Silicon Nanowires and Indium Tin Oxide Surfaces in Desorption Electrospray Ionization. <i>European Journal of Mass Spectrometry</i> , 2008, 14, 391-399.	0.5	15
94	Carbohydrate synthesis and biosynthesis technologies for cracking of the glycan code: Recent advances. <i>Biotechnology Advances</i> , 2013, 31, 17-37.	6.0	14
95	Protein Chips Compatible with MALDI Mass Spectrometry Prepared by Ambient Ion Landing. <i>Analytical Chemistry</i> , 2016, 88, 8526-8534.	3.2	14
96	Detection and Quantification of Carbohydrate-Deficient Transferrin by MALDI-Compatible Protein Chips Prepared by Ambient Ion Soft Landing. <i>Clinical Chemistry</i> , 2018, 64, 1319-1326.	1.5	14
97	Antibacterial properties of lucifensin in <i>Lucilia sericata</i> maggots after septic injury. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2014, 4, 358-361.	0.5	13
98	SAP domain forms a flexible part of DNA aperture in Ku70/80. <i>FEBS Journal</i> , 2021, 288, 4382-4393.	2.2	13
99	A community proposal to integrate proteomics activities in ELIXIR. <i>F1000Research</i> , 2017, 6, 875.	0.8	13
100	Fast Fluoroalkylation of Proteins Uncovers the Structure and Dynamics of Biological Macromolecules. <i>Journal of the American Chemical Society</i> , 2021, 143, 20670-20679.	6.6	13
101	In Vitro Evolution Reveals Noncationic Protein-RNA Interaction Mediated by Metal Ions. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	13
102	Large-scale identification of membrane proteins based on analysis of trypsin-protected transmembrane segments. <i>Journal of Proteomics</i> , 2016, 149, 15-22.	1.2	12
103	Crystal structure of native N-acetylhexosaminidase isolated from <i>Aspergillus oryzae</i> sheds light onto its substrate specificity, high stability, and regulation by propeptide. <i>FEBS Journal</i> , 2018, 285, 580-598.	2.2	12
104	Metabolism of Carcinogenic 2-Nitroanisole in Rat, Rabbit, Porcine and Human Hepatic Cytosol. <i>Collection of Czechoslovak Chemical Communications</i> , 2004, 69, 589-602.	1.0	12
105	Heterobifunctional Photoaffinity Probes for Cytochrome P450 2B. <i>Archives of Biochemistry and Biophysics</i> , 1999, 370, 208-215.	1.4	11
106	Monitoring of in vitro deamidation of gliadin peptic fragment by mass spectrometry may reflect one of the molecular mechanisms taking place in celiac disease development. <i>Journal of Mass Spectrometry</i> , 2002, 37, 507-511.	0.7	11
107	Ergochromes: Heretofore Neglected Side of Ergot Toxicity. <i>Toxins</i> , 2019, 11, 439.	1.5	11
108	Oligomeric Architecture of Mouse Activating Nkrp1 Receptors on Living Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1884.	1.8	11

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109	Lymphocyte activation receptors: new structural paradigms in group V of C-type animal lectins. <i>Biochemical Society Transactions</i> , 2004, 32, 1124-1126.	1.6	10
110	Monitoring Conformational Changes in Protein Complexes Using Chemical Cross-Linking and Fourier Transform Ion Cyclotron Resonance Mass Spectrometry: The Effect of Calcium Binding on the Calmodulin-Melittin Complex. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 281-290.	0.5	10
111	Production of (+)-globulol needle crystals on the surface mycelium of <i>Quambalaria cyanescens</i> . <i>Folia Microbiologica</i> , 2008, 53, 15-22.	1.1	10
112	Structural basis of the interaction between the putative adhesion-involved and iron-regulated FrpD and FrpC proteins of <i>Neisseria meningitidis</i> . <i>Scientific Reports</i> , 2017, 7, 40408.	1.6	10
113	Thiopurine intolerance-causing mutations in NUDT15 induce temperature-dependent destabilization of the catalytic site. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 376-381.	1.1	10
114	Bacteriocin ASM1 is an O / S diglycosylated, plasmid-encoded homologue of glycocin F. <i>FEBS Letters</i> , 2020, 594, 1196-1206.	1.3	10
115	Photoinduced damage of AsLOV2 domain is accompanied by increased singlet oxygen production due to flavin dissociation. <i>Scientific Reports</i> , 2020, 10, 4119.	1.6	10
116	Addressing the Molecular Mechanism of Longitudinal Lamin Assembly Using Chimeric Fusions. <i>Cells</i> , 2020, 9, 1633.	1.8	10
117	Early-onset pulmonary and cutaneous vasculitis driven by constitutively active SRC-family kinase HCK. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1464-1472.e3.	1.5	10
118	Utilization of Fast Photochemical Oxidation of Proteins and Both Bottom-up and Top-down Mass Spectrometry for Structural Characterization of a Transcription Factor-dsDNA Complex. <i>Analytical Chemistry</i> , 2022, 94, 3203-3210.	3.2	10
119	The α -galactosidase type A gene <i>aglA</i> from <i>Aspergillus niger</i> encodes a fully functional α -N-acetylgalactosaminidase. <i>Glycobiology</i> , 2010, 20, 1410-1419.	1.3	9
120	Re-evaluation of the involvement of NK cells and C-type lectin-like NK receptors in modulation of immune responses by multivalent GlcNAc-terminated oligosaccharides. <i>Immunology Letters</i> , 2013, 156, 110-117.	1.1	9
121	Quambalarine B, a Secondary Metabolite from <i>Quambalaria cyanescens</i> with Potential Anticancer Properties. <i>Journal of Natural Products</i> , 2016, 79, 2304-2314.	1.5	9
122	Oligomeric interface modulation causes misregulation of purine 5'-nucleotidase in relapsed leukemia. <i>BMC Biology</i> , 2016, 14, 91.	1.7	9
123	MS-Based Approaches Enable the Structural Characterization of Transcription Factor/DNA Response Element Complex. <i>Biomolecules</i> , 2019, 9, 535.	1.8	9
124	Complex sequence organization of heterochromatin in the holocentric plant <i>Cuscuta europaea</i> elucidated by the computational analysis of nanopore reads. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2179-2189.	1.9	9
125	Liquid chromatography-tandem mass spectrometry characterization of ergocristam degradation products. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 873, 165-172.	1.2	8
126	The Application of an Emerging Technique for Protein-Protein Interaction Interface Mapping: The Combination of Photo-Initiated Cross-Linking Protein Nanoprobes with Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2014, 15, 9224-9241.	1.8	8

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127	High-throughput workflow for identification of phosphorylated peptides by LC-MALDI-TOF/TOF-MS coupled to <i>in situ</i> enrichment on MALDI plates functionalized by ion landing. <i>Journal of Mass Spectrometry</i> , 2015, 50, 802-811.	0.7	8
128	The MEK-ERK-MST1 Axis Potentiates the Activation of the Extrinsic Apoptotic Pathway during GDC-0941 Treatment in Jurkat T Cells. <i>Cells</i> , 2019, 8, 191.	1.8	8
129	Hydroxyl radical footprinting analysis of a human haptoglobin-hemoglobin complex. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2022, 1870, 140735.	1.1	8
130	Top-Down Detection of Oxidative Protein Footprinting by Collision-Induced Dissociation, Electron-Transfer Dissociation, and Electron-Capture Dissociation. <i>Analytical Chemistry</i> , 2022, 94, 9993-10002.	3.2	8
131	Structure analysis of trivalent glycoclusters by post-source decay matrix-assisted laser desorption/ionization mass spectrometry. , 1998, 33, 591-598.		7
132	LC MALDI-TOF MS/MS and LC ESI FTMS analyses of HLA-B27 associated peptides isolated from peripheral blood cells. <i>Immunology Letters</i> , 2008, 116, 79-85.	1.1	7
133	Solution structure of the lymphocyte receptor Nkrp1a reveals a distinct conformation of the long loop region as compared to in the crystal structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1304-1311.	1.5	7
134	High-level expression and purification of soluble form of human natural killer cell receptor NKR-P1 in HEK293S GnT1 ⁺ cells. <i>Protein Expression and Purification</i> , 2017, 140, 36-43.	0.6	7
135	Early modification of cytochrome c by hydrogen peroxide triggers its fast degradation. <i>International Journal of Biological Macromolecules</i> , 2021, 174, 413-423.	3.6	7
136	1.2-Å resolution crystal structure of <i>Escherichia coli</i> WrbA holoprotein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1748-1757.	2.5	6
137	Nkrp1 Family, from Lectins to Protein Interacting Molecules. <i>Molecules</i> , 2015, 20, 3463-3478.	1.7	6
138	Reprogramming of leukemic cell metabolism through the naphthoquinonic compound Quambalarine B. <i>Oncotarget</i> , 2017, 8, 103137-103153.	0.8	6
139	Studying Protein-DNA Interactions by Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2021, 2247, 193-219.	0.4	6
140	Proteomic analysis uncovers a metabolic phenotype in <i>C. elegans</i> after <i>nhr-40</i> reduction of function. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 49-54.	1.0	5
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