

Naoshi Dohmae

List of Publications by Year in descending order

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Version: 2024-02-01

313
papers

22,420
citations

14655

66
h-index

11052

137
g-index

322
all docs

322
docs citations

322
times ranked

28338
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemoproteomics profiling of surfactin-producing nonribosomal peptide synthetases in living bacterial cells. <i>Cell Chemical Biology</i> , 2022, 29, 145-156.e8.	5.2	14
2	Splicing modulators elicit global translational repression by condensate-prone proteins translated from introns. <i>Cell Chemical Biology</i> , 2022, 29, 259-275.e10.	5.2	9
3	Excitation-energy transfer in heterocysts isolated from the cyanobacterium <i>Anabaena</i> sp. PCC 7120 as studied by time-resolved fluorescence spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148509.	1.0	1
4	Developing crosslinkers specific for epimerization domain in NRPS initiation modules to evaluate mechanism. <i>RSC Chemical Biology</i> , 2022, 3, 312-319.	4.1	4
5	Structure of a tetrameric photosystem I from a glaucophyte alga <i>Cyanophora paradoxa</i> . <i>Nature Communications</i> , 2022, 13, 1679.	12.8	11
6	Structural basis for different types of hetero-tetrameric light-harvesting complexes in a diatom PSII-FCPII supercomplex. <i>Nature Communications</i> , 2022, 13, 1764.	12.8	17
7	Identification of the interacting partners of a lysosomal membrane protein in living cells by BioID technique. <i>STAR Protocols</i> , 2022, 3, 101263.	1.2	3
8	Identification of distinct N-glycosylation patterns on extracellular vesicles from small-cell and non-small-cell lung cancer cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 101950.	3.4	12
9	Structural basis for the absence of low-energy chlorophylls in a photosystem I trimer from <i>Gloeobacter violaceus</i> . <i>ELife</i> , 2022, 11, .	6.0	14
10	A novel sterol-binding protein reveals heterogeneous cholesterol distribution in neurite outgrowth and in late endosomes/lysosomes. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	5.4	3
11	Comparative proteomic analysis of glomerular proteins in primary and bucillamine-induced membranous nephropathy. <i>Clinical Proteomics</i> , 2022, 19, .	2.1	3
12	Molecular organizations and function of iron-stress-induced-A protein family in <i>Anabaena</i> sp. PCC 7120. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148327.	1.0	8
13	Analysis of the acrolein-modified sites of apolipoprotein B-100 in LDL. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158809.	2.4	8
14	Homeostatic regulation of STING by retrograde membrane traffic to the ER. <i>Nature Communications</i> , 2021, 12, 61.	12.8	80
15	<i>In vivo</i> metal-catalyzed SeCT therapy by a proapoptotic peptide. <i>Chemical Science</i> , 2021, 12, 12266-12273.	7.4	10
16	Enhancement of excitation-energy quenching in fucoxanthin chlorophyll a/c-binding proteins isolated from a diatom <i>Phaeodactylum tricornutum</i> upon excess-light illumination. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148350.	1.0	10
17	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. <i>Nature Communications</i> , 2021, 12, 891.	12.8	54
18	Regulation of N-glycosylation and secretion of Isthmin-1 by its C-mannosylation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129840.	2.4	13

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19	Inhibition of Ganglioside Synthesis Suppressed Liver Cancer Cell Proliferation through Targeting Kinetochore Metaphase Signaling. <i>Metabolites</i> , 2021, 11, 167.	2.9	10
20	Requirement for C-mannosylation to be secreted and activated a disintegrin and metalloproteinase with thrombospondin motifs 4 (ADAMTS4). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129833.	2.4	7
21	Regulation of mammalian 3D genome organization and histone H3K9 dimethylation by H3K9 methyltransferases. <i>Communications Biology</i> , 2021, 4, 571.	4.4	12
22	Involvement of LH3 and GLT25D1 for glucosyl-galactosyl-hydroxylation on non-collagen-like domain of FGL1. <i>Biochemical and Biophysical Research Communications</i> , 2021, 560, 93-98.	2.1	1
23	Comparative study of the microstructure of solid rubber from <i>Ficus carica</i> and <i>Hevea brasiliensis</i> . <i>Polymers for Advanced Technologies</i> , 2021, 32, 4397-4405.	3.2	1
24	SLC15A4 mediates M1-prone metabolic shifts in macrophages and guards immune cells from metabolic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
25	Design, synthesis, and target identification of new hypoxia-inducible factor 1 (HIF-1) inhibitors containing 1-alkyl-1H-pyrazole-3-carboxamide moiety. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116375.	3.0	6
26	Discovery of a small protein-encoding cis-regulatory overlapping gene of the tumor suppressor gene <i>Scribble</i> in humans. <i>Communications Biology</i> , 2021, 4, 1098.	4.4	4
27	Structural implications for a phycobilisome complex from the thermophilic cyanobacterium <i>Thermosynechococcus vulcanus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148458.	1.0	10
28	Amycolapeptins A and B, Cyclic Nonadepsipeptides Produced by Combined-culture of <i>Amycolatopsis</i> sp. and <i>Tsukamurella pulmonis</i> . <i>Journal of Organic Chemistry</i> , 2021, 86, 1843-1849.	3.2	12
29	Clathrin adapters AP-1 and GGA2 support expression of epidermal growth factor receptor for cell growth. <i>Oncogenesis</i> , 2021, 10, 80.	4.9	9
30	Biogenic Iron Sulfide Nanoparticles to Enable Extracellular Electron Uptake in Sulfate-Reducing Bacteria. <i>Angewandte Chemie</i> , 2020, 132, 6051-6055.	2.0	18
31	Biogenic Iron Sulfide Nanoparticles to Enable Extracellular Electron Uptake in Sulfate-Reducing Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5995-5999.	13.8	64
32	Fourier transform infrared and mass spectrometry analyses of a site-directed mutant of D1-Asp170 as a ligand to the water-oxidizing Mn ₄ CaO ₅ cluster in photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148086.	1.0	10
33	Structural change and degradation of cytoskeleton due to the acrolein conjugation with vimentin and actin during brain infarction. <i>Cytoskeleton</i> , 2020, 77, 414-421.	2.0	13
34	Glycometabolic Regulation of the Biogenesis of Small Extracellular Vesicles. <i>Cell Reports</i> , 2020, 33, 108261.	6.4	19
35	Ischemic stroke disrupts the endothelial glycocalyx through activation of proHPSE via acrolein exposure. <i>Journal of Biological Chemistry</i> , 2020, 295, 18614-18624.	3.4	13
36	The role of transcriptional repressor activity of LexA in salt-stress responses of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Scientific Reports</i> , 2020, 10, 17393.	3.3	11

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37	Genetic incorporation of non-canonical amino acid photocrosslinkers in <i>Neisseria meningitidis</i> : New method provides insights into the physiological function of the function-unknown NMB1345 protein. PLoS ONE, 2020, 15, e0237883.	2.5	6
38	Cryo-EM structure of the volume-regulated anion channel LRRC8D isoform identifies features important for substrate permeation. Communications Biology, 2020, 3, 240.	4.4	35
39	Structural basis for assembly and function of a diatom photosystem I-light-harvesting supercomplex. Nature Communications, 2020, 11, 2481.	12.8	56
40	Structure of a cyanobacterial photosystem I surrounded by octadecameric IsiA antenna proteins. Communications Biology, 2020, 3, 232.	4.4	30
41	The fibrinogen C-terminal domain is seldom C-mannosylated but its C-mannosylation is important for the secretion of microfibril-associated glycoprotein 4. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129637.	2.4	12
42	WHSC1 monomethylates histone H1 and induces stem-cell like features in squamous cell carcinoma of the head and neck. Neoplasia, 2020, 22, 283-293.	5.3	8
43	Protein Arginine N-methyltransferases 5 and 7 Promote HIV-1 Production. Viruses, 2020, 12, 355.	3.3	9
44	Unique features of the ketosynthase domain in a nonribosomal peptide synthetase-polyketide synthase hybrid enzyme, tenuazonic acid synthetase 1. Journal of Biological Chemistry, 2020, 295, 11602-11612.	3.4	17
45	Structural basis for the adaptation and function of chlorophyll f in photosystem I. Nature Communications, 2020, 11, 238.	12.8	75
46	Design and Discovery of Covalent \pm -GalCer Derivatives as Potent CD1d Ligands. ACS Chemical Biology, 2020, 15, 353-359.	3.4	11
47	Surfeit 4 Contributes to the Replication of Hepatitis C Virus Using Double-Membrane Vesicles. Journal of Virology, 2020, 94, .	3.4	14
48	Crystal structure of Drosophila Piwi. Nature Communications, 2020, 11, 858.	12.8	42
49	Comparative proteomic analysis of renal proteins from IgA nephropathy model mice and control mice. Clinical and Experimental Nephrology, 2020, 24, 666-679.	1.6	6
50	Overcoming off-targets: assessing Western blot signals for Bcnt/Cfdp1, a tentative component of the chromatin remodeling complex. Bioscience Reports, 2020, 40, .	2.4	2
51	Mechanism of Action of Prethioviridamide, an Anticancer Ribosomally Synthesized and Post-Translationally Modified Peptide with a Polythioamide Structure. ACS Chemical Biology, 2019, 14, 1819-1828.	3.4	22
52	Structural basis for energy harvesting and dissipation in a diatom PSII-FCPII supercomplex. Nature Plants, 2019, 5, 890-901.	9.3	92
53	Identification and characterization of collagen-like glycosylation and hydroxylation of CCN1. Glycobiology, 2019, 29, 696-704.	2.5	5
54	A spatial similarity of stereochemical environments formed by amino acid residues defines a common epitope of two non-homologous proteins. Scientific Reports, 2019, 9, 14818.	3.3	3

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55	Isolation, Structure Elucidation, and Conformational Regulation of Myropeptides, Lipopeptides from the Fungus <i>Myrothecium roridum</i> . <i>Organic Letters</i> , 2019, 21, 7524-7528.	4.6	3
56	Generation of the heterogeneity of extracellular vesicles by membrane organization and sorting machineries. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 681-691.	2.4	20
57	C-mannosylation of R-spondin2 activates Wnt/ β -catenin signaling and migration activity in human tumor cells. <i>International Journal of Oncology</i> , 2019, 54, 2127-2138.	3.3	8
58	Inhibition of dendritic spine extension through acrolein conjugation with α -, β -tubulin proteins. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 113, 58-66.	2.8	14
59	Application of high-mannose-type glycan-specific lectin from <i>Oscillatoria Agardhii</i> for affinity isolation of tumor-derived extracellular vesicles. <i>Analytical Biochemistry</i> , 2019, 580, 21-29.	2.4	23
60	Transcription repressor-mediated control of engulfment receptor expression in <i>Drosophila</i> phagocytes. <i>Experimental Cell Research</i> , 2019, 381, 10-17.	2.6	1
61	Three YXXL Sequences of a Bovine Leukemia Virus Transmembrane Protein are Independently Required for Fusion Activity by Controlling Expression on the Cell Membrane. <i>Viruses</i> , 2019, 11, 1140.	3.3	5
62	Biochemical characterization of photosystem I complexes having different subunit compositions of fucoxanthin chlorophyll a/c-binding proteins in the diatom <i>Chaetoceros gracilis</i> . <i>Photosynthesis Research</i> , 2019, 140, 141-149.	2.9	19
63	Triazole Ureas Covalently Bind to Strigolactone Receptor and Antagonize Strigolactone Responses. <i>Molecular Plant</i> , 2019, 12, 44-58.	8.3	40
64	Structure of the UHRF1 Tandem Tudor Domain Bound to a Methylated Non-histone Protein, LIG1, Reveals Rules for Binding and Regulation. <i>Structure</i> , 2019, 27, 485-496.e7.	3.3	41
65	Biological effects of space environmental factors: A possible interaction between space radiation and microgravity. <i>Life Sciences in Space Research</i> , 2019, 20, 113-123.	2.3	44
66	Structural basis for oligomerization of the prokaryotic peptide transporter PepT _{So2} . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 348-358.	0.8	10
67	Regulation of granulocyte colony-stimulating factor receptor-mediated granulocytic differentiation by C-mannosylation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 466-472.	2.1	15
68	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. <i>Nature</i> , 2018, 556, 235-238.	27.8	396
69	Multi-heme cytochromes provide a pathway for survival in energy-limited environments. <i>Science Advances</i> , 2018, 4, eaao5682.	10.3	155
70	Topological analysis of DPY 19L3, a human C-mannosyltransferase. <i>FEBS Journal</i> , 2018, 285, 1162-1174.	4.7	10
71	Structural basis of protein arginine rhamnosylation by glycosyltransferase EarP. <i>Nature Chemical Biology</i> , 2018, 14, 368-374.	8.0	22
72	Role of METTL20 in regulating β -oxidation and heat production in mice under fasting or ketogenic conditions. <i>Scientific Reports</i> , 2018, 8, 1179.	3.3	18

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73	Mass spectrometric revival of an l-rhamnose- and d-galactose-specific lectin from a lost strain of <i>Streptomyces</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 368-378.	3.4	3
74	Lysyl oxidase-like protein secreted from an acidophilic red alga, <i>Cyanidium caldarium</i> . <i>Plant Direct</i> , 2018, 2, e00084.	1.9	1
75	Tri-methylation of ATF7IP by G9a/GLP recruits the chromodomain protein MPP8. <i>Epigenetics and Chromatin</i> , 2018, 11, 56.	3.9	43
76	A Highly Bioactive Lys-Deficient IFN Leads to a Site-Specific Di-PEGylated IFN with Equivalent Bioactivity to That of Unmodified IFN- β . <i>ACS Synthetic Biology</i> , 2018, 7, 2537-2546.	3.8	0
77	Mapping of histone-binding sites in histone replacement-completed spermatozoa. <i>Nature Communications</i> , 2018, 9, 3885.	12.8	53
78	Syntaxin 17 regulates the localization and function of PGAM5 in mitochondrial division and mitophagy. <i>EMBO Journal</i> , 2018, 37, .	7.8	68
79	A viable strategy for screening the effects of glycan heterogeneity on target organ adhesion and biodistribution in live mice. <i>Chemical Communications</i> , 2018, 54, 8693-8696.	4.1	26
80	Reply to Yoshida: Liver cancer stem cells: Identification and lipid metabolic reprogramming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6390-E6391.	7.1	7
81	MAP1B-CLC1 prevents autophagosome formation by linking syntaxin 17 to microtubules. <i>EMBO Reports</i> , 2018, 19, .	4.5	16
82	Stimulation of the ATPase activity of Hsp90 by zerumbone modification of its cysteine residues destabilizes its clients and causes cytotoxicity. <i>Biochemical Journal</i> , 2018, 475, 2559-2576.	3.7	6
83	Anodic and Cathodic Extracellular Electron Transfer by the Filamentous Bacterium <i>Ardenticatena maritima</i> 110S. <i>Frontiers in Microbiology</i> , 2018, 9, 68.	3.5	33
84	Cryo-EM structures of the human volume-regulated anion channel LRRC8. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 797-804.	8.2	104
85	Novel function of HATs and HDACs in homologous recombination through acetylation of human RAD52 at double-strand break sites. <i>PLoS Genetics</i> , 2018, 14, e1007277.	3.5	25
86	WHSC1L1-mediated EGFR mono-methylation enhances the cytoplasmic and nuclear oncogenic activity of EGFR in head and neck cancer. <i>Scientific Reports</i> , 2017, 7, 40664.	3.3	36
87	Activation of MMP-9 activity by acrolein in saliva from patients with primary Sjögren's syndrome and its mechanism. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 88, 84-91.	2.8	20
88	Electrostatic interaction of positive charges on the surface of Psb31 with photosystem II in the diatom <i>Chaetoceros gracilis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 779-785.	1.0	7
89	Protein lysine methyltransferase <i>SMYD3</i> is involved in tumorigenesis through regulation of <i>HER2</i> homodimerization. <i>Cancer Medicine</i> , 2017, 6, 1665-1672.	2.8	25
90	Global mapping of post-translational modifications on histone H3 variants in mouse testes. <i>Biochemistry and Biophysics Reports</i> , 2017, 11, 1-8.	1.3	5

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91	Regulation of secretion and enzymatic activity of lipoprotein lipase by C-mannosylation. Biochemical and Biophysical Research Communications, 2017, 486, 558-563.	2.1	30
92	The TPR domain of BepA is required for productive interaction with substrate proteins and the β -barrel assembly machinery complex. Molecular Microbiology, 2017, 106, 760-776.	2.5	26
93	Structural insights into the competitive inhibition of the ATP-gated P2X receptor channel. Nature Communications, 2017, 8, 876.	12.8	75
94	Histone H3 Methylated at Arginine 17 Is Essential for Reprogramming the Paternal Genome in Zygotes. Cell Reports, 2017, 20, 2756-2765.	6.4	35
95	Functional role of Lys residues of Psb31 in electrostatic interactions with diatom photosystem II . FEBS Letters, 2017, 591, 3259-3264.	2.8	4
96	A Chemoproteomics Approach to Investigate Phosphopantetheine Transferase Activity at the Cellular Level. ChemBioChem, 2017, 18, 1855-1862.	2.6	2
97	ATP-dependent modulation of MgtE in Mg^{2+} homeostasis. Nature Communications, 2017, 8, 148.	12.8	54
98	Dpy-19 like 3-mediated C-mannosylation and expression levels of RPE-spondin in human tumor cell lines. Oncology Letters, 2017, 14, 2537-2544.	1.8	22
99	Methylation of DNA Ligase 1 by G9a/GLP Recruits UHRF1 to Replicating DNA and Regulates DNA Methylation. Molecular Cell, 2017, 67, 550-565.e5.	9.7	151
100	In Situ Ligation of High- and Low-Affinity Ligands to Cell Surface Receptors Enables Highly Selective Recognition. Advanced Science, 2017, 4, 1700147.	11.2	9
101	Structural basis for xenobiotic extrusion by eukaryotic MATE transporter. Nature Communications, 2017, 8, 1633.	12.8	69
102	Effects of SMYD2-mediated EML4-ALK methylation on the signaling pathway and growth in non-small cell lung cancer cells. Cancer Science, 2017, 108, 1203-1209.	3.9	38
103	A novel sphingomyelin/cholesterol domain-specific probe reveals the dynamics of the membrane domains during virus release and in Niemann-Pick type C. FASEB Journal, 2017, 31, 1301-1322.	0.5	34
104	Lipid moieties on lipoproteins of commensal and non-commensal staphylococci induce differential immune responses. Nature Communications, 2017, 8, 2246.	12.8	56
105	Asymmetry in the function and dynamics of the cytosolic group II chaperonin CCT/TRiC. PLoS ONE, 2017, 12, e0176054.	2.5	13
106	Critical roles of SMYD2-mediated β -catenin methylation for nuclear translocation and activation of Wnt signaling. Oncotarget, 2017, 8, 55837-55847.	1.8	37
107	Proteomic characterization of histone variants in the mouse testis by mass spectrometry-based top-down analysis. BioScience Trends, 2016, 10, 357-364.	3.4	13
108	A Novel SRP Recognition Sequence in the Homeostatic Control Region of Heat Shock Transcription Factor $\text{Hsf}32$. Scientific Reports, 2016, 6, 24147.	3.3	30

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109	Molecular Mechanism of HIV-1 Vpr for Binding to Importin- α . Journal of Molecular Biology, 2016, 428, 2744-2757.	4.2	24
110	Activation mechanism of endothelin ETB receptor by endothelin-1. Nature, 2016, 537, 363-368.	27.8	148
111	Characterization of post-translational modifications on lysine 9 of histone H3 variants in mouse testis using matrix-assisted laser desorption/ionization in-source decay. Rapid Communications in Mass Spectrometry, 2016, 30, 2529-2536.	1.5	4
112	Decrease in acrolein toxicity based on the decline of polyamine oxidases. International Journal of Biochemistry and Cell Biology, 2016, 79, 151-157.	2.8	12
113	α -mannosylation of R-spondin3 regulates its secretion and activity of Wnt/ β -catenin signaling in cells. FEBS Letters, 2016, 590, 2639-2649.	2.8	35
114	A chemical proteomic probe for detecting native carrier protein motifs in nonribosomal peptide synthetases. Chemical Communications, 2016, 52, 14129-14132.	4.1	8
115	Novel O-GlcNAcylation on Ser40 of canonical H2A isoforms specific to viviparity. Scientific Reports, 2016, 6, 31785.	3.3	32
116	Identification of seco-elavilactone B as a small-molecule actin polymerization inhibitor. FEBS Letters, 2016, 590, 1163-1173.	2.8	19
117	Structural basis for amino acid export by DMT superfamily transporter YddG. Nature, 2016, 534, 417-420.	27.8	60
118	Structural Insights into Divalent Cation Modulations of ATP-Gated P2X Receptor Channels. Cell Reports, 2016, 14, 932-944.	6.4	59
119	Identification of DPY19L3 as the C-mannosyltransferase of R-spondin1 in human cells. Molecular Biology of the Cell, 2016, 27, 744-756.	2.1	47
120	Non-lysosomal Degradation of Singly Phosphorylated Oligosaccharides Initiated by the Action of a Cytosolic Endo- β -N-acetylglucosaminidase. Journal of Biological Chemistry, 2016, 291, 8048-8058.	3.4	15
121	Prolactin Regulatory Element Binding Protein Is Involved in Hepatitis C Virus Replication by Interaction with NS4B. Journal of Virology, 2016, 90, 3093-3111.	3.4	21
122	Neisseria meningitidis Translation Elongation Factor P and Its Active-Site Arginine Residue Are Essential for Cell Viability. PLoS ONE, 2016, 11, e0147907.	2.5	40
123	SMYD3-mediated lysine methylation in the PH domain is critical for activation of AKT1. Oncotarget, 2016, 7, 75023-75037.	1.8	39
124	Automethylation of SUV39H2, an oncogenic histone lysine methyltransferase, regulates its binding affinity to substrate proteins. Oncotarget, 2016, 7, 22846-22856.	1.8	20
125	Mammalian Bcnt/Cfdp1, a potential epigenetic factor characterized by an acidic stretch in the disordered N-terminal and Ser250 phosphorylation in the conserved C-terminal regions. Bioscience Reports, 2015, 35, .	2.4	10
126	A Multiple-labeling Strategy for Nonribosomal Peptide Synthetases Using Active-Site-Directed Proteomic Probes for Adenylation Domains. ChemBioChem, 2015, 16, 2590-2594.	2.6	6

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127	<i>N</i> -glycosylation of CCN1 is required for its secretion. FEBS Letters, 2015, 589, 3287-3293.	2.8	26
128	Time-Resolved Crystallography of the Reaction Intermediate of Nitrile Hydratase: Revealing a Role for the Cysteinesulfenic Acid Ligand as a Catalytic Nucleophile. Angewandte Chemie - International Edition, 2015, 54, 10763-10767.	13.8	20
129	Profiling Nonribosomal Peptide Synthetase Activities Using Chemical Proteomic Probes for Adenylation Domains. ACS Chemical Biology, 2015, 10, 1989-1997.	3.4	23
130	Action of an endo- β -1,3(4)-glucanase on cellobiosyl unit structure in barley β -1,3:1,4-glucan. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1810-1817.	1.3	12
131	C-mannosylation of thrombopoietin receptor (c-Mpl) regulates thrombopoietin-dependent JAK-STAT signaling. Biochemical and Biophysical Research Communications, 2015, 468, 262-268.	2.1	44
132	Increase in acrolein-conjugated immunoglobulins in saliva from patients with primary Sjögren's syndrome. Clinica Chimica Acta, 2015, 450, 184-189.	1.1	17
133	A Role for the Ancient SNARE Syntaxin 17 in Regulating Mitochondrial Division. Developmental Cell, 2015, 32, 304-317.	7.0	126
134	Active site-directed proteomic probes for adenylation domains in nonribosomal peptide synthetases. Chemical Communications, 2015, 51, 2262-2265.	4.1	30
135	Endo- β - <i>N</i> -acetylglucosaminidase forms <i>N</i> -GlcNAc protein aggregates during ER-associated degradation in Ngly1-defective cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1398-1403.	7.1	98
136	Disruption of <i>Th2a</i> and <i>Th2b</i> genes causes defects in spermatogenesis. Development (Cambridge), 2015, 142, 1287-92.	2.5	49
137	Functional regulation of the DNA damage-recognition factor DDB2 by ubiquitination and interaction with xeroderma pigmentosum group C protein. Nucleic Acids Research, 2015, 43, 1700-1713.	14.5	46
138	Dysregulation of AKT Pathway by SMYD2-Mediated Lysine Methylation on PTEN. Neoplasia, 2015, 17, 367-373.	5.3	75
139	Crystal Structure and Activity of the Endoribonuclease Domain of the piRNA Pathway Factor Maelstrom. Cell Reports, 2015, 11, 366-375.	6.4	36
140	Crystal Structure of Human Importin- β 1 (Rch1), Revealing a Potential Autoinhibition Mode Involving Homodimerization. PLoS ONE, 2015, 10, e0115995.	2.5	20
141	SUV39H2 methylates and stabilizes LSD1 by inhibiting polyubiquitination in human cancer cells. Oncotarget, 2015, 6, 16939-16950.	1.8	44
142	PRMT6 increases cytoplasmic localization of p21CDKN1A in cancer cells through arginine methylation and makes more resistant to cytotoxic agents. Oncotarget, 2015, 6, 30957-30967.	1.8	36
143	PRMT1 promotes mitosis of cancer cells through arginine methylation of INCENP. Oncotarget, 2015, 6, 35173-35182.	1.8	28
144	SUV420H1 enhances the phosphorylation and transcription of ERK1 in cancer cells. Oncotarget, 2015, 6, 43162-43171.	1.8	28

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145	<i>Glycosylation of extracellular matrix protein 1 (ECM1) regulates its secretion, which is unrelated to lipid proteinosis. FEBS Open Bio, 2014, 4, 879-885.</i>	2.3	17
146	Crystallization and preliminary X-ray diffraction analysis of YidC, a membrane-protein chaperone and insertase from <i>Bacillus halodurans</i> . Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1056-1060.	0.8	11
147	Crystallization and preliminary X-ray crystallographic analysis of YfcM: an important factor for EF-P hydroxylation. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1236-1239.	0.8	4
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149	Crystal Structure of a Claudin Provides Insight into the Architecture of Tight Junctions. Science, 2014, 344, 304-307.	12.6	302
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