

Naoshi Dohmae

List of Publications by Year in descending order

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Version: 2024-02-01

313
papers

22,420
citations

14614

66
h-index

11030

137
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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.	2.5	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.	2.5	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.	0.5	1
4	Developing crosslinkers specific for epimerization domain in NRPS initiation modules to evaluate mechanism. <i>RSC Chemical Biology</i> , 2022, 3, 312-319.	2.0	4
5	Structure of a tetrameric photosystem I from a glaucophyte alga <i>Cyanophora paradoxa</i> . <i>Nature Communications</i> , 2022, 13, 1679.	5.8	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.	5.8	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.	0.5	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.	1.6	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, .	2.8	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, .	2.4	3
11	Comparative proteomic analysis of glomerular proteins in primary and bucillamine-induced membranous nephropathy. <i>Clinical Proteomics</i> , 2022, 19, .	1.1	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.	0.5	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.	1.2	8
14	Homeostatic regulation of STING by retrograde membrane traffic to the ER. <i>Nature Communications</i> , 2021, 12, 61.	5.8	80
15	<i>In vivo</i> metal-catalyzed SeCT therapy by a proapoptotic peptide. <i>Chemical Science</i> , 2021, 12, 12266-12273.	3.7	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.	0.5	10
17	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. <i>Nature Communications</i> , 2021, 12, 891.	5.8	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.	1.1	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.	1.3	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.	1.1	7
21	Regulation of mammalian 3D genome organization and histone H3K9 dimethylation by H3K9 methyltransferases. <i>Communications Biology</i> , 2021, 4, 571.	2.0	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.	1.0	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.	1.6	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, .	3.3	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.	1.4	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.	2.0	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.	0.5	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.	1.7	12
29	Clathrin adapters AP-1 and GGA2 support expression of epidermal growth factor receptor for cell growth. <i>Oncogenesis</i> , 2021, 10, 80.	2.1	9
30	Biogenic Iron Sulfide Nanoparticles to Enable Extracellular Electron Uptake in Sulfate-Reducing Bacteria. <i>Angewandte Chemie</i> , 2020, 132, 6051-6055.	1.6	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.	7.2	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.	0.5	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.	1.0	13
34	Glycometabolic Regulation of the Biogenesis of Small Extracellular Vesicles. <i>Cell Reports</i> , 2020, 33, 108261.	2.9	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.	1.6	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.	1.6	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. <i>PLoS ONE</i> , 2020, 15, e0237883.	1.1	6
38	Cryo-EM structure of the volume-regulated anion channel LRRC8D isoform identifies features important for substrate permeation. <i>Communications Biology</i> , 2020, 3, 240.	2.0	35
39	Structural basis for assembly and function of a diatom photosystem I-light-harvesting supercomplex. <i>Nature Communications</i> , 2020, 11, 2481.	5.8	56
40	Structure of a cyanobacterial photosystem I surrounded by octadecameric IsiA antenna proteins. <i>Communications Biology</i> , 2020, 3, 232.	2.0	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. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129637.	1.1	12
42	WHSC1 monomethylates histone H1 and induces stem-cell like features in squamous cell carcinoma of the head and neck. <i>Neoplasia</i> , 2020, 22, 283-293.	2.3	8
43	Protein Arginine N-methyltransferases 5 and 7 Promote HIV-1 Production. <i>Viruses</i> , 2020, 12, 355.	1.5	9
44	Unique features of the ketosynthase domain in a nonribosomal peptide synthetase-polyketide synthase hybrid enzyme, tenuazonic acid synthetase 1. <i>Journal of Biological Chemistry</i> , 2020, 295, 11602-11612.	1.6	17
45	Structural basis for the adaptation and function of chlorophyll f in photosystem I. <i>Nature Communications</i> , 2020, 11, 238.	5.8	75
46	Design and Discovery of Covalent \pm -GalCer Derivatives as Potent CD1d Ligands. <i>ACS Chemical Biology</i> , 2020, 15, 353-359.	1.6	11
47	Surfeit 4 Contributes to the Replication of Hepatitis C Virus Using Double-Membrane Vesicles. <i>Journal of Virology</i> , 2020, 94, .	1.5	14
48	Crystal structure of <i>Drosophila</i> Piwi. <i>Nature Communications</i> , 2020, 11, 858.	5.8	42
49	Comparative proteomic analysis of renal proteins from IgA nephropathy model mice and control mice. <i>Clinical and Experimental Nephrology</i> , 2020, 24, 666-679.	0.7	6
50	Overcoming off-targets: assessing Western blot signals for Bcnt/Cfdp1, a tentative component of the chromatin remodeling complex. <i>Bioscience Reports</i> , 2020, 40, .	1.1	2
51	Mechanism of Action of Prethioviridamide, an Anticancer Ribosomally Synthesized and Post-Translationally Modified Peptide with a Polythioamide Structure. <i>ACS Chemical Biology</i> , 2019, 14, 1819-1828.	1.6	22
52	Structural basis for energy harvesting and dissipation in a diatom PSII-FCPII supercomplex. <i>Nature Plants</i> , 2019, 5, 890-901.	4.7	92
53	Identification and characterization of collagen-like glycosylation and hydroxylation of CCN1. <i>Glycobiology</i> , 2019, 29, 696-704.	1.3	5
54	A spatial similarity of stereochemical environments formed by amino acid residues defines a common epitope of two non-homologous proteins. <i>Scientific Reports</i> , 2019, 9, 14818.	1.6	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.	2.4	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.	1.1	20
57	C-mannosylation of Spondin2 activates Wnt/β-catenin signaling and migration activity in human tumor cells. <i>International Journal of Oncology</i> , 2019, 54, 2127-2138.	1.4	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.	1.2	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.	1.1	23
60	Transcription repressor-mediated control of engulfment receptor expression in <i>Drosophila</i> phagocytes. <i>Experimental Cell Research</i> , 2019, 381, 10-17.	1.2	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.	1.5	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.	1.6	19
63	Triazole Ureas Covalently Bind to Strigolactone Receptor and Antagonize Strigolactone Responses. <i>Molecular Plant</i> , 2019, 12, 44-58.	3.9	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.	1.6	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.	1.2	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.	0.4	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.	1.0	15
68	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. <i>Nature</i> , 2018, 556, 235-238.	13.7	396
69	Multi-heme cytochromes provide a pathway for survival in energy-limited environments. <i>Science Advances</i> , 2018, 4, eaao5682.	4.7	155
70	Topological analysis of DPY 19L3, a human C-mannosyltransferase. <i>FEBS Journal</i> , 2018, 285, 1162-1174.	2.2	10
71	Structural basis of protein arginine rhamnosylation by glycosyltransferase EarP. <i>Nature Chemical Biology</i> , 2018, 14, 368-374.	3.9	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.	1.6	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.	1.6	3
74	Lysyl oxidase-like protein secreted from an acidophilic red alga, <i>Cyanidium caldarium</i> . <i>Plant Direct</i> , 2018, 2, e00084.	0.8	1
75	Tri-methylation of ATF7IP by G9a/GLP recruits the chromodomain protein MPP8. <i>Epigenetics and Chromatin</i> , 2018, 11, 56.	1.8	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.	1.9	0
77	Mapping of histone-binding sites in histone replacement-completed spermatozoa. <i>Nature Communications</i> , 2018, 9, 3885.	5.8	53
78	Syntaxin 17 regulates the localization and function of PGAM5 in mitochondrial division and mitophagy. <i>EMBO Journal</i> , 2018, 37, .	3.5	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.	2.2	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.	3.3	7
81	MAP1B-LC1 prevents autophagosome formation by linking syntaxin 17 to microtubules. <i>EMBO Reports</i> , 2018, 19, .	2.0	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.	1.7	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.	1.5	33
84	Cryo-EM structures of the human volume-regulated anion channel LRRC8. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 797-804.	3.6	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.	1.5	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.	1.6	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.	1.2	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.	0.5	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.	1.3	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.	0.7	5

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91	Regulation of secretion and enzymatic activity of lipoprotein lipase by C-mannosylation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 558-563.	1.0	30
92	The TPR domain of BepA is required for productive interaction with substrate proteins and the β -barrel assembly machinery complex. <i>Molecular Microbiology</i> , 2017, 106, 760-776.	1.2	26
93	Structural insights into the competitive inhibition of the ATP-gated P2X receptor channel. <i>Nature Communications</i> , 2017, 8, 876.	5.8	75
94	Histone H3 Methylated at Arginine 17 Is Essential for Reprogramming the Paternal Genome in Zygotes. <i>Cell Reports</i> , 2017, 20, 2756-2765.	2.9	35
95	Functional role of Lys residues of Psb31 in electrostatic interactions with diatom photosystem I. <i>FEBS Letters</i> , 2017, 591, 3259-3264.	1.3	4
96	A Chemoproteomics Approach to Investigate Phosphopantetheine Transferase Activity at the Cellular Level. <i>ChemBioChem</i> , 2017, 18, 1855-1862.	1.3	2
97	ATP-dependent modulation of MgtE in Mg ²⁺ homeostasis. <i>Nature Communications</i> , 2017, 8, 148.	5.8	54
98	Dpy-19 like 3-mediated C-mannosylation and expression levels of RPE-spondin in human tumor cell lines. <i>Oncology Letters</i> , 2017, 14, 2537-2544.	0.8	22
99	Methylation of DNA Ligase 1 by G9a/GLP Recruits UHRF1 to Replicating DNA and Regulates DNA Methylation. <i>Molecular Cell</i> , 2017, 67, 550-565.e5.	4.5	151
100	In Situ Ligation of High- and Low-Affinity Ligands to Cell Surface Receptors Enables Highly Selective Recognition. <i>Advanced Science</i> , 2017, 4, 1700147.	5.6	9
101	Structural basis for xenobiotic extrusion by eukaryotic MATE transporter. <i>Nature Communications</i> , 2017, 8, 1633.	5.8	69
102	Effects of SMYD2-mediated EML4-ALK methylation on the signaling pathway and growth in non-small cell lung cancer cells. <i>Cancer Science</i> , 2017, 108, 1203-1209.	1.7	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. <i>FASEB Journal</i> , 2017, 31, 1301-1322.	0.2	34
104	Lipid moieties on lipoproteins of commensal and non-commensal staphylococci induce differential immune responses. <i>Nature Communications</i> , 2017, 8, 2246.	5.8	56
105	Asymmetry in the function and dynamics of the cytosolic group II chaperonin CCT/TRiC. <i>PLoS ONE</i> , 2017, 12, e0176054.	1.1	13
106	Critical roles of SMYD2-mediated β -catenin methylation for nuclear translocation and activation of Wnt signaling. <i>Oncotarget</i> , 2017, 8, 55837-55847.	0.8	37
107	Proteomic characterization of histone variants in the mouse testis by mass spectrometry-based top-down analysis. <i>BioScience Trends</i> , 2016, 10, 357-364.	1.1	13
108	A Novel SRP Recognition Sequence in the Homeostatic Control Region of Heat Shock Transcription Factor β 32. <i>Scientific Reports</i> , 2016, 6, 24147.	1.6	30

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109	Molecular Mechanism of HIV-1 Vpr for Binding to Importin- β . Journal of Molecular Biology, 2016, 428, 2744-2757.	2.0	24
110	Activation mechanism of endothelin ETB receptor by endothelin-1. Nature, 2016, 537, 363-368.	13.7	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.	0.7	4
112	Decrease in acrolein toxicity based on the decline of polyamine oxidases. International Journal of Biochemistry and Cell Biology, 2016, 79, 151-157.	1.2	12
113	<i>C</i> -mannosylation of R-spondin3 regulates its secretion and activity of Wnt/ β -catenin signaling in cells. FEBS Letters, 2016, 590, 2639-2649.	1.3	35
114	A chemical proteomic probe for detecting native carrier protein motifs in nonribosomal peptide synthetases. Chemical Communications, 2016, 52, 14129-14132.	2.2	8
115	Novel O-GlcNAcylation on Ser40 of canonical H2A isoforms specific to viviparity. Scientific Reports, 2016, 6, 31785.	1.6	32
116	Identification of seco-clavilactone B as a small molecule actin polymerization inhibitor. FEBS Letters, 2016, 590, 1163-1173.	1.3	19
117	Structural basis for amino acid export by DMT superfamily transporter YddG. Nature, 2016, 534, 417-420.	13.7	60
118	Structural Insights into Divalent Cation Modulations of ATP-Gated P2X Receptor Channels. Cell Reports, 2016, 14, 932-944.	2.9	59
119	Identification of DPY19L3 as the C-mannosyltransferase of R-spondin1 in human cells. Molecular Biology of the Cell, 2016, 27, 744-756.	0.9	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.	1.6	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.	1.5	21
122	Neisseria meningitidis Translation Elongation Factor P and Its Active-Site Arginine Residue Are Essential for Cell Viability. PLoS ONE, 2016, 11, e0147907.	1.1	40
123	SMYD3-mediated lysine methylation in the PH domain is critical for activation of AKT1. Oncotarget, 2016, 7, 75023-75037.	0.8	39
124	Automethylation of SUV39H2, an oncogenic histone lysine methyltransferase, regulates its binding affinity to substrate proteins. Oncotarget, 2016, 7, 22846-22856.	0.8	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, .	1.1	10
126	A Multiple-labeling Strategy for Nonribosomal Peptide Synthetases Using Active-Site Directed Proteomic Probes for Adenylation Domains. ChemBioChem, 2015, 16, 2590-2594.	1.3	6

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127	<i>N</i> -glycosylation of CCN1 is required for its secretion. FEBS Letters, 2015, 589, 3287-3293.	1.3	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.	7.2	20
129	Profiling Nonribosomal Peptide Synthetase Activities Using Chemical Proteomic Probes for Adenylation Domains. ACS Chemical Biology, 2015, 10, 1989-1997.	1.6	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.	0.6	12
131	C-mannosylation of thrombopoietin receptor (c-Mpl) regulates thrombopoietin-dependent JAK-STAT signaling. Biochemical and Biophysical Research Communications, 2015, 468, 262-268.	1.0	44
132	Increase in acrolein-conjugated immunoglobulins in saliva from patients with primary Sjögren's syndrome. Clinica Chimica Acta, 2015, 450, 184-189.	0.5	17
133	A Role for the Ancient SNARE Syntaxin 17 in Regulating Mitochondrial Division. Developmental Cell, 2015, 32, 304-317.	3.1	126
134	Active site-directed proteomic probes for adenylation domains in nonribosomal peptide synthetases. Chemical Communications, 2015, 51, 2262-2265.	2.2	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.	3.3	98
136	Disruption of <i>Th2a</i> and <i>Th2b</i> genes causes defects in spermatogenesis. Development (Cambridge), 2015, 142, 1287-92.	1.2	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.	6.5	46
138	Dysregulation of AKT Pathway by SMYD2-Mediated Lysine Methylation on PTEN. Neoplasia, 2015, 17, 367-373.	2.3	75
139	Crystal Structure and Activity of the Endoribonuclease Domain of the piRNA Pathway Factor Maelstrom. Cell Reports, 2015, 11, 366-375.	2.9	36
140	Crystal Structure of Human Importin- β 1 (Rch1), Revealing a Potential Autoinhibition Mode Involving Homodimerization. PLoS ONE, 2015, 10, e0115995.	1.1	20
141	SUV39H2 methylates and stabilizes LSD1 by inhibiting polyubiquitination in human cancer cells. Oncotarget, 2015, 6, 16939-16950.	0.8	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.	0.8	36
143	PRMT1 promotes mitosis of cancer cells through arginine methylation of INCENP. Oncotarget, 2015, 6, 35173-35182.	0.8	28
144	SUV420H1 enhances the phosphorylation and transcription of ERK1 in cancer cells. Oncotarget, 2015, 6, 43162-43171.	0.8	28

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