Naoshi Dohmae

List of Publications by Year
in descending order

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313 papers	22,420 citations	14614 66 h-index	11030 137 g-index
322 all docs	322 docs citations	322 times ranked	28338 citing authors

#	Article	IF	Citations
1	Î±-Synuclein is phosphorylated in synucleinopathy lesions. Nature Cell Biology, 2002, 4, 160-164.	4.6	1,739
2	Crystal Structure of Cas9 in Complex with Guide RNA and Target DNA. Cell, 2014, 156, 935-949.	13.5	1,690
3	The XPV (xeroderma pigmentosum variant) gene encodes human DNA polymerase Î·. Nature, 1999, 399, 700-704.	13.7	1,248
4	Plant cells recognize chitin fragments for defense signaling through a plasma membrane receptor. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11086-11091.	3.3	1,001
5	Kinesin Transports RNA. Neuron, 2004, 43, 513-525.	3.8	974
6	Autotaxin has lysophospholipase D activity leading to tumor cell growth and motility by lysophosphatidic acid production. Journal of Cell Biology, 2002, 158, 227-233.	2.3	859
7	Dodeca-CLE Peptides as Suppressors of Plant Stem Cell Differentiation. Science, 2006, 313, 842-845.	6.0	567
8	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. Nature, 2018, 556, 235-238.	13.7	396
9	Novel non-heme iron center of nitrile hydratase with a claw setting of oxygen atoms. Nature Structural Biology, 1998, 5, 347-351.	9.7	342
10	Crystal Structure of a Claudin Provides Insight into the Architecture of Tight Junctions. Science, 2014, 344, 304-307.	6.0	302
11	Essential roles of KIF4 and its binding partner PRC1 in organized central spindle midzone formation. EMBO Journal, 2004, 23, 3237-3248.	3.5	293
12	Distinct Intramembrane Cleavage of the Î²-Amyloid Precursor Protein Family Resembling Î³-Secretase-like Cleavage of Notch. Journal of Biological Chemistry, 2001, 276, 35235-35238.	1.6	267
13	RNA Targeting by the Type III-A CRISPR-Cas Csm Complex of Thermus thermophilus. Molecular Cell, 2014, 56, 518-530.	4.5	267
14	A Novel Motor, KIF13A, Transports Mannose-6-Phosphate Receptor to Plasma Membrane through Direct Interaction with AP-1 Complex. Cell, 2000, 103, 569-581.	13.5	250
15	The COP9 complex is conserved between plants and mammals and is related to the 26S proteasome regulatory complex. Current Biology, 1998, 8, 919-924.	1.8	249
16	Crystal structure of autotaxin and insight into GPCR activation by lipid mediators. Nature Structural and Molecular Biology, 2011, 18, 205-212.	3.6	217
17	Structure and Activity of the RNA-Targeting Type III-B CRISPR-Cas Complex of Thermus thermophilus. Molecular Cell, 2013, 52, 135-145.	4.5	212
18	Conformational transition of Sec machinery inferred from bacterial SecYE structures. Nature, 2008, 455, 988-991.	13.7	206

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19	Structural basis of Sec-independent membrane protein insertion by YidC. Nature, 2014, 509, 516-520.	13.7	203
20	Demethylation of RB Regulator MYPT1 by Histone Demethylase LSD1 Promotes Cell Cycle Progression in Cancer Cells. Cancer Research, 2011, 71, 655-660.	0.4	190
21	Implication of ZW10 in membrane trafficking between the endoplasmic reticulum and Golgi. EMBO Journal, 2004, 23, 1267-1278.	3.5	174
22	RB1 Methylation by SMYD2 Enhances Cell Cycle Progression through an Increase of RB1 Phosphorylation. Neoplasia, 2012, 14, 476-IN8.	2.3	169
23	Assembly of two distinct dimers and higher-order oligomers from full-length tau. European Journal of Neuroscience, 2007, 25, 3020-3029.	1.2	167
24	A neuropeptide ligand of the G protein-coupled receptor GPR103 regulates feeding, behavioral arousal, and blood pressure in mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7438-7443.	3.3	158
25	Postâ€translational modification is essential for catalytic activity of nitrile hydratase. Protein Science, 2000, 9, 1024-1030.	3.1	156
26	Histone Lysine Methyltransferase SETD8 Promotes Carcinogenesis by Deregulating PCNA Expression. Cancer Research, 2012, 72, 3217-3227.	0.4	155
27	Multi-heme cytochromes provide a pathway for survival in energy-limited environments. Science Advances, 2018, 4, eaao5682.	4.7	155
28	Methylation of DNA Ligase 1 by G9a/GLP Recruits UHRF1 to Replicating DNA and Regulates DNA Methylation. Molecular Cell, 2017, 67, 550-565.e5.	4.5	151
29	An Â2-macroglobulin-like protein is the cue to gregarious settlement of the barnacle Balanus amphitrite. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14396-14401.	3.3	148
30	Activation mechanism of endothelin ETB receptor by endothelin-1. Nature, 2016, 537, 363-368.	13.7	148
31	Equimolar Production of Amyloid Î²-Protein and Amyloid Precursor Protein Intracellular Domain from Î²-Carboxyl-terminal Fragment by Î³-Secretase. Journal of Biological Chemistry, 2006, 281, 14776-14786.	1.6	141
32	Potential Link between Amyloid Î²-Protein 42 and C-terminal Fragment Î³ 49â€“99 of Î²-Amyloid Precursor Protein. Journal of Biological Chemistry, 2003, 278, 24294-24301.	1.6	133
33	Purification, cDNA Cloning, and Expression of UDP-Gal: Glucosylceramide Î²-1,4-Galactosyltransferase from Rat Brain. Journal of Biological Chemistry, 1998, 273, 13570-13577.	1.6	130
34	Dual amino acid-selective and site-directed stable-isotope labeling of the human c-Ha-Ras protein by cell-free synthesis. Journal of Biomolecular NMR, 1998, 11, 295-306.	1.6	126
35	A Role for the Ancient SNARE Syntaxin 17 in Regulating Mitochondrial Division. Developmental Cell, 2015, 32, 304-317.	3.1	126
36	The identification of an osteoclastogenesis inhibitor through the inhibition of glyoxalase I. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11691-11696.	3.3	125

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37	The Triacylated ATP Binding Cluster Transporter Substrate-binding Lipoprotein of Staphylococcus aureus Functions as a Native Ligand for Toll-like Receptor 2. Journal of Biological Chemistry, 2009, 284, 8406-8411.	1.6	125
38	Mitochondrial Ubiquitin Ligase MITOL Ubiquitinates Mutant SOD1 and Attenuates Mutant SOD1-induced Reactive Oxygen Species Generation. Molecular Biology of the Cell, 2009, 20, 4524-4530.	0.9	117
39	Lysyl 5-Hydroxylation, a Novel Histone Modification, by Jumonji Domain Containing 6 (JMJD6)*. Journal of Biological Chemistry, 2013, 288, 6053-6062.	1.6	114
40	Crystal structure of Escherichia coli YidC, a membrane protein chaperone and insertase. Scientific Reports, 2014, 4, 7299.	1.6	109
41	Destination-Selective Long-Distance Movement of Phloem Proteins. Plant Cell, 2005, 17, 1801-1814.	3.1	108
42	Cryo-EM structures of the human volume-regulated anion channel LRRC8. Nature Structural and Molecular Biology, 2018, 25, 797-804.	3.6	104
43	A DNA unwinding factor involved in DNA replication in cell-free extracts of Xenopus eggs. Current Biology, 1999, 9, 341-351.	1.8	102
44	Characterization of Î±2,6-Sialyltransferase Cleavage by Alzheimer's Î²-Secretase (BACE1). Journal of Biological Chemistry, 2003, 278, 14865-14871.	1.6	99
45	Identification of casein kinase-1 phosphorylation sites on TDP-43. Biochemical and Biophysical Research Communications, 2009, 382, 405-409.	1.0	99
46	Endo-Î²- N -acetylglucosaminidase forms N -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
47	Endoplasmic reticulum stress increases myofiber formation in vitro. FASEB Journal, 2007, 21, 2994-3003.	0.2	96
48	Epolactaene binds human Hsp60 Cys442 resulting in the inhibition of chaperone activity. Biochemical Journal, 2005, 387, 835-840.	1.7	94
49	Isolation and characterization of oxygen-evolving thylakoid membranes and Photosystem II particles from a marine diatom Chaetoceros gracilis. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1353-1362.	0.5	94
50	Structural basis for energy harvesting and dissipation in a diatom PSIIâ€“FCPII supercomplex. Nature Plants, 2019, 5, 890-901.	4.7	92
51	The Histone Methyltransferase SMYD2 Methylates PARP1 and Promotes Poly(ADP-ribosyl)ation Activity in Cancer Cells. Neoplasia, 2014, 16, 257-264.e2.	2.3	88
52	Identification of the Binding Site of Methylglyoxal on Glutathione Peroxidase: Methylglyoxal Inhibits Glutathione Peroxidase Activity via Binding to Glutathione Binding Sites Arg 184 and 185. Free Radical Research, 2003, 37, 205-211.	1.5	87
53	Polyester synthesis genes associated with stress resistance are involved in an insectâ€“bacterium symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2381-9.	3.3	86
54	Structure of the Photoreactive Iron Center of the Nitrile Hydratase from Rhodococcus sp. N-771. Journal of Biological Chemistry, 1997, 272, 29454-29459.	1.6	85

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55	The carboxy-terminal domain of the XPC protein plays a crucial role in nucleotide excision repair through interactions with transcription factor IIH. DNA Repair, 2002, 1, 449-461.	1.3	82
56	Carbonyl Sulfide Hydrolase from Thiobacillus thioparus Strain THI115 Is One of the Î²-Carbonic Anhydrase Family Enzymes. Journal of the American Chemical Society, 2013, 135, 3818-3825.	6.6	82
57	Homeostatic regulation of STING by retrograde membrane traffic to the ER. Nature Communications, 2021, 12, 61.	5.8	80
58	Structural Basis for Potent Inhibition of SIRT2 Deacetylase by a Macrocyclic Peptide Inducing Dynamic Structural Change. Structure, 2014, 22, 345-352.	1.6	79
59	A Lectin from the Mussel Mytilus galloprovincialis Has a Highly Novel Primary Structure and Induces Glycan-mediated Cytotoxicity of Globotriaosylceramide-expressing Lymphoma Cells. Journal of Biological Chemistry, 2012, 287, 44772-44783.	1.6	77
60	Cloning and Molecular Characterization of Plant Aldehyde Oxidase. Journal of Biological Chemistry, 1997, 272, 15280-15285.	1.6	76
61	Tertiary and Quaternary Structures of Photoreactive Fe-Type Nitrile Hydratase fromRhodococcussp. N-771:Â Roles of Hydration Water Molecules in Stabilizing the Structures and the Structural Origin of the Substrate Specificity of the Enzymeâ€,â€¡. Biochemistry, 1999, 38, 9887-9898.	1.2	75
62	Dysregulation of AKT Pathway by SMYD2-Mediated Lysine Methylation on PTEN. Neoplasia, 2015, 17, 367-373.	2.3	75
63	Structural insights into the competitive inhibition of the ATP-gated P2X receptor channel. Nature Communications, 2017, 8, 876.	5.8	75
64	Structural basis for the adaptation and function of chlorophyll f in photosystem I. Nature Communications, 2020, 11, 238.	5.8	75
65	Cysteine misincorporation in bacterially expressed human Î±-synuclein. FEBS Letters, 2006, 580, 1775-1779.	1.3	74
66	Structural Basis for the Counter-Transport Mechanism of a H ⁺ /Ca ²⁺ Exchanger. Science, 2013, 341, 168-172.	6.0	73
67	Establishment of a Novel In Vivo Sex-Specific Splicing Assay System To Identify a trans-Acting Factor That Negatively Regulates Splicing of Bombyx mori dsx Female Exons. Molecular and Cellular Biology, 2008, 28, 333-343.	1.1	71
68	Pretaporter, a Drosophila protein serving as a ligand for Draper in the phagocytosis of apoptotic cells. EMBO Journal, 2009, 28, 3868-3878.	3.5	71
69	Amphidinolide H, a Potent Cytotoxic Macrolide, Covalently Binds on Actin Subdomain 4 and Stabilizes Actin Filament. Chemistry and Biology, 2004, 11, 1269-1277.	6.2	70
70	Characterization of Highly Purified Photosystem I Complexes from the Chlorophyll d-dominated Cyanobacterium Acaryochloris marina MBIC 11017. Journal of Biological Chemistry, 2008, 283, 18198-18209.	1.6	70
71	Structural basis for xenobiotic extrusion by eukaryotic MATE transporter. Nature Communications, 2017, 8, 1633.	5.8	69
72	Syntaxin 17 regulates the localization and function of PGAM5 in mitochondrial division and mitophagy. EMBO Journal, 2018, 37, .	3.5	68

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73	Novel Bacterial Lipoprotein Structures Conserved in Low-GC Content Gram-positive Bacteria Are Recognized by Toll-like Receptor 2. Journal of Biological Chemistry, 2012, 287, 13170-13181.	1.6	65
74	Comparison of oligomeric states and polypeptide compositions of fucoxanthin chlorophyll a/c-binding protein complexes among various diatom species. Photosynthesis Research, 2013, 117, 281-288.	1.6	65
75	Mucin (Qniumucin), a Glycoprotein from Jellyfish, and Determination of Its Main Chain Structure. Journal of Natural Products, 2007, 70, 1089-1092.	1.5	64
76	Biogenic Iron Sulfide Nanoparticles to Enable Extracellular Electron Uptake in Sulfateâ€Reducing Bacteria. Angewandte Chemie - International Edition, 2020, 59, 5995-5999.	7.2	64
77	Identification of a Male-Specific RNA Binding Protein That Regulates Sex-Specific Splicing of Bmdsx by Increasing RNA Binding Activity of BmPSI. Molecular and Cellular Biology, 2010, 30, 5776-5786.	1.1	62
78	Diversity of Innate Immune Recognition Mechanism for Bacterial Polymeric meso-Diaminopimelic Acid-type Peptidoglycan in Insects. Journal of Biological Chemistry, 2010, 285, 32937-32945.	1.6	61
79	Histone chaperone activity of Fanconi anemia proteins, FANCD2 and FANCI, is required for DNA crosslink repair. EMBO Journal, 2012, 31, 3524-3536.	3.5	61
80	Environment-Mediated Accumulation of Diacyl Lipoproteins over Their Triacyl Counterparts in Staphylococcus aureus. Journal of Bacteriology, 2012, 194, 3299-3306.	1.0	60
81	Protease homolog BepA (YfgC) promotes assembly and degradation of Î²-barrel membrane proteins in Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3612-21.	3.3	60
82	Structural basis for amino acid export by DMT superfamily transporter YddG. Nature, 2016, 534, 417-420.	13.7	60
83	Structural Insights into Divalent Cation Modulations of ATP-Gated P2X Receptor Channels. Cell Reports, 2016, 14, 932-944.	2.9	59
84	Mg ²⁺ -sensing mechanism of Mg ²⁺ transporter MgtE probed by molecular dynamics study. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15393-15398.	3.3	56
85	Lipid moieties on lipoproteins of commensal and non-commensal staphylococci induce differential immune responses. Nature Communications, 2017, 8, 2246.	5.8	56
86	Structural basis for assembly and function of a diatom photosystem I-light-harvesting supercomplex. Nature Communications, 2020, 11, 2481.	5.8	56
87	Klotho Protein Deficiency Leads to Overactivation of Î¼-Calpain. Journal of Biological Chemistry, 2002, 277, 35503-35508.	1.6	54
88	ATP-dependent modulation of MgtE in Mg2+ homeostasis. Nature Communications, 2017, 8, 148.	5.8	54
89	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. Nature Communications, 2021, 12, 891.	5.8	54
90	Molecular aging of tau: disulfide-independent aggregation and non-enzymatic degradation in vitro and in vivo. Journal of Neurochemistry, 2004, 90, 1302-1311.	2.1	53

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91	Mapping of histone-binding sites in histone replacement-completed spermatozoa. Nature Communications, 2018, 9, 3885.	5.8	53
92	Amino Acid Sequences of Metalloendopeptidases Specific for Acyl-Lysine Bonds from Grifola frondosa and Pleurotus ostreatus Fruiting Bodies. Journal of Biological Chemistry, 1997, 272, 30032-30039.	1.6	52
93	CIRP2, a major cytoplasmic RNA-binding protein in Xenopus oocytes. Nucleic Acids Research, 2000, 28, 4689-4697.	6.5	51
94	A Novel Inhibitor for Fe-type Nitrile Hydratase:Â 2-Cyano-2-propyl Hydroperoxide. Journal of the American Chemical Society, 2003, 125, 11532-11538.	6.6	50
95	Human RME-8 Is Involved in Membrane Trafficking through Early Endosomes. Cell Structure and Function, 2008, 33, 35-50.	0.5	50
96	Structure and characterization of amidase from Rhodococcus sp. N-771: Insight into the molecular mechanism of substrate recognition. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 184-192.	1.1	50
97	Binding of a pleurotolysin ortholog from Pleurotus eryngii to sphingomyelin and cholesterol-rich membrane domains. Journal of Lipid Research, 2013, 54, 2933-2943.	2.0	49
98	Disruption ofTh2aandTh2bgenes causes defects in spermatogenesis. Development (Cambridge), 2015, 142, 1287-92.	1.2	49
99	Structural evidence of Î±â€aminoacylated lipoproteins of Staphylococcusâ€ƒaureus. FEBS Journal, 2011, 278, 716-728.	2.2	48
100	Involvement of Disulfide Bond Formation in the Activation of Heparanase. Cancer Research, 2007, 67, 7841-7849.	0.4	47
101	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
102	Mammalian DET1 Regulates Cul4A Activity and Forms Stable Complexes with E2 Ubiquitin-Conjugating Enzymes. Molecular and Cellular Biology, 2007, 27, 4708-4719.	1.1	46
103	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
104	Regulation of Mammalian Protein O-Mannosylation. Journal of Biological Chemistry, 2007, 282, 20200-20206.	1.6	45
105	Î²1,4-Galactosyltransferase (Î²4GalT)-IV Is Specific for GlcNAc 6-O-Sulfate. Journal of Biological Chemistry, 2003, 278, 9150-9158.	1.6	44
106	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
107	Biological effects of space environmental factors: A possible interaction between space radiation and microgravity. Life Sciences in Space Research, 2019, 20, 113-123.	1.2	44
108	SUV39H2 methylates and stabilizes LSD1 by inhibiting polyubiquitination in human cancer cells. Oncotarget, 2015, 6, 16939-16950.	0.8	44

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109	Type F Scavenger Receptor SREC-I Interacts with Advillin, a Member of the Gelsolin/Villin Family, and Induces Neurite-like Outgrowth. Journal of Biological Chemistry, 2004, 279, 40084-40090.	1.6	43
110	Tri-methylation of ATF7IP by G9a/GLP recruits the chromodomain protein MPP8. Epigenetics and Chromatin, 2018, 11, 56.	1.8	43
111	Structural Basis for Catalytic Activation of Thiocyanate Hydrolase Involving Metal-Ligated Cysteine Modification. Journal of the American Chemical Society, 2009, 131, 14838-14843.	6.6	42
112	Crystal structure of Drosophila Piwi. Nature Communications, 2020, 11, 858.	5.8	42
113	Structure of the UHRF1 Tandem Tudor Domain Bound to a Methylated Non-histone Protein, LIG1, Reveals Rules for Binding and Regulation. Structure, 2019, 27, 485-496.e7.	1.6	41
114	PRMT1 is required for RAP55 to localize to processing bodies. RNA Biology, 2012, 9, 610-623.	1.5	40
115	Triazole Ureas Covalently Bind to Strigolactone Receptor and Antagonize Strigolactone Responses. Molecular Plant, 2019, 12, 44-58.	3.9	40
116	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
117	Serine Proteinase Inhibitor 3 and Murinoglobulin I Are Potent Inhibitors of Neuropsin in Adult Mouse Brain. Journal of Biological Chemistry, 2001, 276, 14562-14571.	1.6	39
118	The Lyn kinase C-lobe mediates Golgi export of Lyn through conformation-dependent ACSL3 association. Journal of Cell Science, 2010, 123, 2649-2662.	1.2	39
119	Determination of cathepsin V activity and intracellular trafficking by Nâ€glycosylation. FEBS Letters, 2012, 586, 3601-3607.	1.3	39
120	Nâ€glycosylation is required for secretion and enzymatic activity of human hyaluronidase1. FEBS Open Bio, 2014, 4, 554-559.	1.0	39
121	SMYD3-mediated lysine methylation in the PH domain is critical for activation of AKT1. Oncotarget, 2016, 7, 75023-75037.	0.8	39
122	S-Adenosyl-l-Methionine:l-MethionineS-Methyltransferase from Germinating Barley. Plant Physiology, 1998, 118, 431-438.	2.3	38
123	Effects of <scp>SMYD</scp>2â€mediated <scp>EML</scp>4â€<scp>ALK</scp> methylation on the signaling pathway and growth in nonâ€smallâ€cell lung cancer cells. Cancer Science, 2017, 108, 1203-1209.	1.7	38
124	Hormone Signaling Linked to Silkmoth Sex Pheromone Biosynthesis Involves Ca2+/Calmodulin-dependent Protein Kinase II-mediated Phosphorylation of the Insect PAT Family Protein Bombyx mori Lipid Storage Droplet Protein-1 (BmLsd1). Journal of Biological Chemistry, 2011, 286, 24101-24112.	1.6	37
125	Two types of fucoxanthin-chlorophyll-binding proteins I tightly bound to the photosystem I core complex in marine centric diatoms. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 529-539.	0.5	37
126	Critical roles of SMYD2-mediated Î²-catenin methylation for nuclear translocation and activation of Wnt signaling. Oncotarget, 2017, 8, 55837-55847.	0.8	37

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127	Identification of acrolein-conjugated protein in plasma of patients with brain infarction. Biochemical and Biophysical Research Communications, 2010, 391, 1234-1239.	1.0	36
128	C-mannosylation of human hyaluronidase 1: Possible roles for secretion and enzymatic activity. International Journal of Oncology, 2014, 45, 344-350.	1.4	36
129	Crystal Structure and Activity of the Endoribonuclease Domain of the piRNA Pathway Factor Maelstrom. Cell Reports, 2015, 11, 366-375.	2.9	36
130	WHSC1L1-mediated EGFR mono-methylation enhances the cytoplasmic and nuclear oncogenic activity of EGFR in head and neck cancer. Scientific Reports, 2017, 7, 40664.	1.6	36
131	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
132	Topological Analysis of the Extrinsic PsbO, PsbP and PsbQ Proteins in a Green Algal PSII Complex by Cross-Linking with a Water-Soluble Carbodiimide. Plant and Cell Physiology, 2010, 51, 718-727.	1.5	35
133	Câ€mannosylation of Râ€spondin3 regulates its secretion and activity of Wnt/Î²â€catenin signaling in cells. FEBS Letters, 2016, 590, 2639-2649.	1.3	35
134	Histone H3 Methylated at Arginine 17 Is Essential for Reprogramming the Paternal Genome in Zygotes. Cell Reports, 2017, 20, 2756-2765.	2.9	35
135	Cryo-EM structure of the volume-regulated anion channel LRRC8D isoform identifies features important for substrate permeation. Communications Biology, 2020, 3, 240.	2.0	35
136	A novel sphingomyelin/cholesterol domainâ€specific probe reveals the dynamics of the membrane domains during virus release and in Niemannâ€Pick type C. FASEB Journal, 2017, 31, 1301-1322.	0.2	34
137	Purification and Characterization of Intracellular Proteinases inPleurotus ostreatusFruiting Bodies. Bioscience, Biotechnology and Biochemistry, 1995, 59, 2074-2080.	0.6	33
138	Design and Synthesis ofde NovoCytochromescâ€. Biochemistry, 2004, 43, 9823-9833.	1.2	33
139	Anodic and Cathodic Extracellular Electron Transfer by the Filamentous Bacterium Ardenticatena maritima 110S. Frontiers in Microbiology, 2018, 9, 68.	1.5	33
140	Purification, identification, and characterization of elastase on erythrocyte membrane as factor IX-activating enzyme. Biochemical and Biophysical Research Communications, 2004, 316, 65-70.	1.0	32
141	Identification of proteins whose synthesis is preferentially enhanced by polyamines at the level of translation in mammalian cells. International Journal of Biochemistry and Cell Biology, 2009, 41, 2251-2261.	1.2	32
142	Inactivation of GAPDH as one mechanism of acrolein toxicity. Biochemical and Biophysical Research Communications, 2013, 430, 1265-1271.	1.0	32
143	Novel O-GlcNAcylation on Ser40 of canonical H2A isoforms specific to viviparity. Scientific Reports, 2016, 6, 31785.	1.6	32
144	Mutational Study on Î±Gln90 of Fe-Type Nitrile Hydratase fromRhodococcussp. N771. Bioscience, Biotechnology and Biochemistry, 2006, 70, 881-889.	0.6	30

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145	Active site-directed proteomic probes for adenylation domains in nonribosomal peptide synthetases. Chemical Communications, 2015, 51, 2262-2265.	2.2	30
146	A Novel SRP Recognition Sequence in the Homeostatic Control Region of Heat Shock Transcription Factor Ïƒ32. Scientific Reports, 2016, 6, 24147.	1.6	30
147	Regulation of secretion and enzymatic activity of lipoprotein lipase by C -mannosylation. Biochemical and Biophysical Research Communications, 2017, 486, 558-563.	1.0	30
148	Structure of a cyanobacterial photosystem I surrounded by octadecameric IsiA antenna proteins. Communications Biology, 2020, 3, 232.	2.0	30
149	Asymmetric Coiled-Coil Structure with Guanine Nucleotide Exchange Activity. Structure, 2007, 15, 245-252.	1.6	29
150	SLC15A4 mediates M1-prone metabolic shifts in macrophages and guards immune cells from metabolic stress. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	29
151	The PsbK Subunit is Required for the Stable Assembly and Stability of Other Small Subunits in the PSII complex in the Thermophilic Cyanobacterium Thermosynechococcus elongatus BP-1. Plant and Cell Physiology, 2010, 51, 554-560.	1.5	28
152	PRMT1 promotes mitosis of cancer cells through arginine methylation of INCENP. Oncotarget, 2015, 6, 35173-35182.	0.8	28
153	SUV420H1 enhances the phosphorylation and transcription of ERK1 in cancer cells. Oncotarget, 2015, 6, 43162-43171.	0.8	28
154	Identification of domains on the extrinsic 23â€ƒkDa protein possibly involved in electrostatic interaction with the extrinsic 33â€ƒkDa protein in spinach photosystem II. FEBS Journal, 2004, 271, 962-971.	0.2	27
155	Comparative Studies of Lepidopteran Baculovirus-Specific Protein FP25K: Development of a Novel Bombyx mori Nucleopolyhedrovirus-Based Vector with a Modified fp25K Gene. Journal of Virology, 2010, 84, 5191-5200.	1.5	27
156	An Automated Interpretation of MALDI/TOF Postsource Decay Spectra of Oligosaccharides. 1. Automated Peak Assignment. Analytical Chemistry, 1999, 71, 4764-4771.	3.2	26
157	Oâ€fucosylation of CCN1 is required for its secretion. FEBS Letters, 2015, 589, 3287-3293.	1.3	26
158	The TPR domain of BepA is required for productive interaction with substrate proteins and the Î²â€barrel assembly machinery complex. Molecular Microbiology, 2017, 106, 760-776.	1.2	26
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