

Naoshi Dohmae

List of Publications by Year in descending order

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318
papers

23,592
citations

12346

69
h-index

10690

140
g-index

351
all docs

351
docs citations

351
times ranked

33348
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-Synuclein is phosphorylated in synucleinopathy lesions. <i>Nature Cell Biology</i> , 2002, 4, 160-164.	10.0	1,790
2	Crystal Structure of Cas9 in Complex with Guide RNA and Target DNA. <i>Cell</i> , 2014, 156, 935-949.	27.8	1,789
3	The XPV (xeroderma pigmentosum variant) gene encodes human DNA polymerase Î·. <i>Nature</i> , 1999, 399, 700-704.	36.2	1,257
4	Plant cells recognize chitin fragments for defense signaling through a plasma membrane receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11086-11091.	7.6	1,019
5	Kinesin Transports RNA. <i>Neuron</i> , 2004, 43, 513-525.	8.0	995
6	Autotaxin has lysophospholipase D activity leading to tumor cell growth and motility by lysophosphatidic acid production. <i>Journal of Cell Biology</i> , 2002, 158, 227-233.	5.2	871
7	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. <i>Nature</i> , 2018, 556, 235-238.	36.2	436
8	Novel non-heme iron center of nitrile hydratase with a claw setting of oxygen atoms. <i>Nature Structural Biology</i> , 1998, 5, 347-351.	8.1	343
9	Essential roles of KIF4 and its binding partner PRC1 in organized central spindle midzone formation. <i>EMBO Journal</i> , 2004, 23, 3237-3248.	8.2	300
10	RNA Targeting by the Type III-A CRISPR-Cas Csm Complex of <i>Thermus thermophilus</i> . <i>Molecular Cell</i> , 2014, 56, 518-530.	9.6	278
11	Distinct Intramembrane Cleavage of the Î² ² -Amyloid Precursor Protein Family Resembling Î³-Secretase-like Cleavage of Notch. <i>Journal of Biological Chemistry</i> , 2001, 276, 35235-35238.	3.5	271
12	A Novel Motor, KIF13A, Transports Mannose-6-Phosphate Receptor to Plasma Membrane through Direct Interaction with AP-1 Complex. <i>Cell</i> , 2000, 103, 569-581.	27.8	257
13	The COP9 complex is conserved between plants and mammals and is related to the 26S proteasome regulatory complex. <i>Current Biology</i> , 1998, 8, 919-924.	4.0	250
14	Crystal structure of autotaxin and insight into GPCR activation by lipid mediators. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 205-212.	8.1	221
15	Structure and Activity of the RNA-Targeting Type III-B CRISPR-Cas Complex of <i>Thermus thermophilus</i> . <i>Molecular Cell</i> , 2013, 52, 135-145.	9.6	216
16	Structural basis of Sec-independent membrane protein insertion by YidC. <i>Nature</i> , 2014, 509, 516-520.	36.2	210
17	Conformational transition of Sec machinery inferred from bacterial SecYE structures. <i>Nature</i> , 2008, 455, 988-991.	36.2	206
18	Demethylation of RB Regulator MYPT1 by Histone Demethylase LSD1 Promotes Cell Cycle Progression in Cancer Cells. <i>Cancer Research</i> , 2011, 71, 655-660.	0.9	193

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19	Implication of ZW10 in membrane trafficking between the endoplasmic reticulum and Golgi. <i>EMBO Journal</i> , 2004, 23, 1267-1278.	8.2	177
20	RB1 Methylation by SMYD2 Enhances Cell Cycle Progression through an Increase of RB1 Phosphorylation. <i>Neoplasia</i> , 2012, 14, 476-IN8.	5.3	174
21	Assembly of two distinct dimers and higher-order oligomers from full-length tau. <i>European Journal of Neuroscience</i> , 2007, 25, 3020-3029.	3.5	170
22	A neuropeptide ligand of the G protein-coupled receptor GPR103 regulates feeding, behavioral arousal, and blood pressure in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7438-7443.	7.6	168
23	Histone Lysine Methyltransferase SETD8 Promotes Carcinogenesis by Dereulating PCNA Expression. <i>Cancer Research</i> , 2012, 72, 3217-3227.	0.9	163
24	Multi-heme cytochromes provide a pathway for survival in energy-limited environments. <i>Science Advances</i> , 2018, 4, eaao5682.	10.9	162
25	Activation mechanism of endothelin ETB receptor by endothelin-1. <i>Nature</i> , 2016, 537, 363-368.	36.2	158
26	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.	9.6	157
27	Post-translational modification is essential for catalytic activity of nitrile hydratase. <i>Protein Science</i> , 2000, 9, 1024-1030.	7.8	156
28	An α 2-macroglobulin-like protein is the cue to gregarious settlement of the barnacle <i>Balanus amphitrite</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14396-14401.	7.6	151
29	Equimolar Production of Amyloid β -Protein and Amyloid Precursor Protein Intracellular Domain from β -Carboxyl-terminal Fragment by β -Secretase. <i>Journal of Biological Chemistry</i> , 2006, 281, 14776-14786.	3.5	145
30	A game of hide and seek between avirulence genes <i>AvrLm4</i> and <i>AvrLm3</i> in <i>Leptosphaeria maculans</i> . <i>New Phytologist</i> , 2016, 209, 1613-1624.	7.8	137
31	Potential Link between Amyloid β -Protein 42 and C-terminal Fragment β 49-99 of β -Amyloid Precursor Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 24294-24301.	3.5	134
32	A Role for the Ancient SNARE Syntaxin 17 in Regulating Mitochondrial Division. <i>Developmental Cell</i> , 2015, 32, 304-317.	7.0	133
33	Purification, cDNA Cloning, and Expression of UDP-Gal: Glucosylceramide β -1,4-Galactosyltransferase from Rat Brain. <i>Journal of Biological Chemistry</i> , 1998, 273, 13570-13577.	3.5	131
34	Dual amino acid-selective and site-directed stable-isotope labeling of the human c-Ha-Ras protein by cell-free synthesis. <i>Journal of Biomolecular NMR</i> , 1998, 11, 295-306.	2.8	126
35	The identification of an osteoclastogenesis inhibitor through the inhibition of glyoxalase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11691-11696.	7.6	126
36	The Triacylated ATP Binding Cluster Transporter Substrate-binding Lipoprotein of <i>Staphylococcus aureus</i> Functions as a Native Ligand for Toll-like Receptor 2. <i>Journal of Biological Chemistry</i> , 2009, 284, 8406-8411.	3.5	126

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37	Mitochondrial Ubiquitin Ligase MITOL Ubiquitinates Mutant SOD1 and Attenuates Mutant SOD1-induced Reactive Oxygen Species Generation. <i>Molecular Biology of the Cell</i> , 2009, 20, 4524-4530.	2.5	123
38	Lysyl 5-Hydroxylation, a Novel Histone Modification, by Jumonji Domain Containing 6 (JMJD6)*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6053-6062.	3.5	115
39	Crystal structure of Escherichia coli YidC, a membrane protein chaperone and insertase. <i>Scientific Reports</i> , 2014, 4, 7299.	3.4	112
40	Destination-Selective Long-Distance Movement of Phloem Proteins. <i>Plant Cell</i> , 2005, 17, 1801-1814.	6.7	110
41	Cryo-EM structures of the human volume-regulated anion channel LRRC8. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 797-804.	8.1	106
42	Identification of casein kinase-1 phosphorylation sites on TDP-43. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 405-409.	2.2	104
43	A DNA unwinding factor involved in DNA replication in cell-free extracts of <i>Xenopus</i> eggs. <i>Current Biology</i> , 1999, 9, 341-351.	4.0	102
44	Characterization of β 2,6-Sialyltransferase Cleavage by Alzheimer's β 2-Secretase (BACE1). <i>Journal of Biological Chemistry</i> , 2003, 278, 14865-14871.	3.5	102
45	Structural basis for energy harvesting and dissipation in a diatom PSII-FCPII supercomplex. <i>Nature Plants</i> , 2019, 5, 890-901.	9.4	102
46	Endoplasmic reticulum stress increases myofiber formation in vitro. <i>FASEB Journal</i> , 2007, 21, 2994-3003.	0.5	100
47	Endo- β -N-acetylglucosaminidase forms β -GlcNAc protein aggregates during ER-associated degradation in Ngly1-defective cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1398-1403.	7.6	99
48	Epilactaene binds human Hsp60 Cys442 resulting in the inhibition of chaperone activity. <i>Biochemical Journal</i> , 2005, 387, 835-840.	3.8	98
49	Isolation and characterization of oxygen-evolving thylakoid membranes and Photosystem II particles from a marine diatom <i>Chaetoceros gracilis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 1353-1362.	1.6	96
50	The Histone Methyltransferase SMYD2 Methylates PARP1 and Promotes Poly(ADP-ribosyl)ation Activity in Cancer Cells. <i>Neoplasia</i> , 2014, 16, 257-264.e2.	5.3	90
51	Homeostatic regulation of STING by retrograde membrane traffic to the ER. <i>Nature Communications</i> , 2021, 12, 61.	13.2	89
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. <i>Free Radical Research</i> , 2003, 37, 205-211.	3.3	88
53	Polyester synthesis genes associated with stress resistance are involved in an insect-bacterium symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2381-9.	7.6	87
54	Structural basis for the adaptation and function of chlorophyll f in photosystem I. <i>Nature Communications</i> , 2020, 11, 238.	13.2	87

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55	Carbonyl Sulfide Hydrolase from <i>Thiobacillus thioparus</i> Strain THI115 Is One of the $\hat{\Gamma}^2$ -Carbonic Anhydrase Family Enzymes. <i>Journal of the American Chemical Society</i> , 2013, 135, 3818-3825.	14.6	86
56	Structure of the Photoreactive Iron Center of the Nitrile Hydratase from <i>Rhodococcus</i> sp. N-771. <i>Journal of Biological Chemistry</i> , 1997, 272, 29454-29459.	3.5	85
57	The carboxy-terminal domain of the XPC protein plays a crucial role in nucleotide excision repair through interactions with transcription factor IIH. <i>DNA Repair</i> , 2002, 1, 449-461.	2.9	85
58	Structural insights into the competitive inhibition of the ATP-gated P2X receptor channel. <i>Nature Communications</i> , 2017, 8, 876.	13.2	85
59	Structural Basis for Potent Inhibition of SIRT2 Deacetylase by a Macrocyclic Peptide Inducing Dynamic Structural Change. <i>Structure</i> , 2014, 22, 345-352.	3.4	84
60	Cloning and Molecular Characterization of Plant Aldehyde Oxidase. <i>Journal of Biological Chemistry</i> , 1997, 272, 15280-15285.	3.5	80
61	A Lectin from the Mussel <i>Mytilus galloprovincialis</i> Has a Highly Novel Primary Structure and Induces Glycan-mediated Cytotoxicity of Globotriaosylceramide-expressing Lymphoma Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 44772-44783.	3.5	78
62	Dysregulation of AKT Pathway by SMYD2-Mediated Lysine Methylation on PTEN. <i>Neoplasia</i> , 2015, 17, 367-373.	5.3	78
63	Syntaxin 17 regulates the localization and function of PGAM5 in mitochondrial division and mitophagy. <i>EMBO Journal</i> , 2018, 37, .	8.2	77
64	Biogenic Iron Sulfide Nanoparticles to Enable Extracellular Electron Uptake in Sulfate-Reducing Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5995-5999.	14.8	77
65	Tertiary and Quaternary Structures of Photoreactive Fe-Type Nitrile Hydratase from <i>Rhodococcus</i> sp. N-771: Roles of Hydration Water Molecules in Stabilizing the Structures and the Structural Origin of the Substrate Specificity of the Enzyme. <i>Biochemistry</i> , 1999, 38, 9887-9898.	2.6	75
66	Characterization of Highly Purified Photosystem I Complexes from the Chlorophyll d-dominated Cyanobacterium <i>Acaryochloris marina</i> MBIC 11017. <i>Journal of Biological Chemistry</i> , 2008, 283, 18198-18209.	3.5	75
67	Establishment of a Novel In Vivo Sex-Specific Splicing Assay System To Identify a <i>trans</i> -Acting Factor That Negatively Regulates Splicing of <i>Bombyx mori dsx</i> Female Exons. <i>Molecular and Cellular Biology</i> , 2008, 28, 333-343.	2.5	75
68	Structural basis for xenobiotic extrusion by eukaryotic MATE transporter. <i>Nature Communications</i> , 2017, 8, 1633.	13.2	74
69	Pretaporter, a <i>Drosophila</i> protein serving as a ligand for Draper in the phagocytosis of apoptotic cells. <i>EMBO Journal</i> , 2009, 28, 3868-3878.	8.2	72
70	Amphidinolide H, a Potent Cytotoxic Macrolide, Covalently Binds on Actin Subdomain 4 and Stabilizes Actin Filament. <i>Chemistry and Biology</i> , 2004, 11, 1269-1277.	6.2	70
71	Structural Insights into Divalent Cation Modulations of ATP-Gated P2X Receptor Channels. <i>Cell Reports</i> , 2016, 14, 932-944.	6.3	67
72	Mucin (Qniumucin), a Glycoprotein from Jellyfish, and Determination of Its Main Chain Structure. <i>Journal of Natural Products</i> , 2007, 70, 1089-1092.	3.0	66

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73	Novel Bacterial Lipoprotein Structures Conserved in Low-GC Content Gram-positive Bacteria Are Recognized by Toll-like Receptor 2. <i>Journal of Biological Chemistry</i> , 2012, 287, 13170-13181.	3.5	66
74	Comparison of oligomeric states and polypeptide compositions of fucoxanthin chlorophyll a/c-binding protein complexes among various diatom species. <i>Photosynthesis Research</i> , 2013, 117, 281-288.	2.9	65
75	Identification of a Male-Specific RNA Binding Protein That Regulates Sex-Specific Splicing of <i>BmDsx</i> by Increasing RNA Binding Activity of BmPSI. <i>Molecular and Cellular Biology</i> , 2010, 30, 5776-5786.	2.5	64
76	Protease homolog BepA (YfgC) promotes assembly and degradation of β -barrel membrane proteins in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3612-21.	7.6	64
77	Structural basis for assembly and function of a diatom photosystem I-light-harvesting supercomplex. <i>Nature Communications</i> , 2020, 11, 2481.	13.2	64
78	Structural basis for amino acid export by DMT superfamily transporter YddG. <i>Nature</i> , 2016, 534, 417-420.	36.2	63
79	STING signalling is terminated through ESCRT-dependent microautophagy of vesicles originating from recycling endosomes. <i>Nature Cell Biology</i> , 2023, 25, 453-466.	10.0	63
80	Diversity of Innate Immune Recognition Mechanism for Bacterial Polymeric meso-Diaminopimelic Acid-type Peptidoglycan in Insects. <i>Journal of Biological Chemistry</i> , 2010, 285, 32937-32945.	3.5	62
81	Histone chaperone activity of Fanconi anemia proteins, FANCD2 and FANCI, is required for DNA crosslink repair. <i>EMBO Journal</i> , 2012, 31, 3524-3536.	8.2	62
82	Environment-Mediated Accumulation of Diacyl Lipoproteins over Their Triacyl Counterparts in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2012, 194, 3299-3306.	2.4	60
83	ATP-dependent modulation of MgtE in Mg ²⁺ homeostasis. <i>Nature Communications</i> , 2017, 8, 148.	13.2	58
84	Lipid moieties on lipoproteins of commensal and non-commensal staphylococci induce differential immune responses. <i>Nature Communications</i> , 2017, 8, 2246.	13.2	58
85	Mg ²⁺ -sensing mechanism of Mg ²⁺ transporter MgtE probed by molecular dynamics study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15393-15398.	7.6	57
86	Mapping of histone-binding sites in histone replacement-completed spermatozoa. <i>Nature Communications</i> , 2018, 9, 3885.	13.2	57
87	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. <i>Nature Communications</i> , 2021, 12, 891.	13.2	56
88	Klotho Protein Deficiency Leads to Overactivation of $\frac{1}{4}$ -Calpain. <i>Journal of Biological Chemistry</i> , 2002, 277, 35503-35508.	3.5	54
89	Molecular aging of tau: disulfide-independent aggregation and non-enzymatic degradation in vitro and in vivo. <i>Journal of Neurochemistry</i> , 2004, 90, 1302-1311.	4.0	53
90	Amino Acid Sequences of Metalloendopeptidases Specific for Acyl-Lysine Bonds from <i>Grifola frondosa</i> and <i>Pleurotus ostreatus</i> Fruiting Bodies. <i>Journal of Biological Chemistry</i> , 1997, 272, 30032-30039.	3.5	52

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91	Human RME-8 Is Involved in Membrane Trafficking through Early Endosomes. <i>Cell Structure and Function</i> , 2008, 33, 35-50.	1.2	52
92	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.	2.4	52
93	CIRP2, a major cytoplasmic RNA-binding protein in <i>Xenopus</i> oocytes. <i>Nucleic Acids Research</i> , 2000, 28, 4689-4697.	14.0	51
94	Structure and characterization of amidase from <i>Rhodococcus</i> sp. N-771: Insight into the molecular mechanism of substrate recognition. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 184-192.	2.3	51
95	Disruption of <i>Th2a</i> and <i>Th2b</i> genes causes defects in spermatogenesis. <i>Development (Cambridge)</i> , 2015, 142, 1287-92.	2.6	51
96	A Novel Inhibitor for Fe-type Nitrile Hydratase: 2-Cyano-2-propyl Hydroperoxide. <i>Journal of the American Chemical Society</i> , 2003, 125, 11532-11538.	14.6	50
97	Binding of a pleurotolysin ortholog from <i>Pleurotus eryngii</i> to sphingomyelin and cholesterol-rich membrane domains. <i>Journal of Lipid Research</i> , 2013, 54, 2933-2943.	4.2	50
98	Crystal structure of <i>Drosophila</i> Piwi. <i>Nature Communications</i> , 2020, 11, 858.	13.2	50
99	C-mannosylation of thrombopoietin receptor (c-Mpl) regulates thrombopoietin-dependent JAK-STAT signaling. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 262-268.	2.2	49
100	Mammalian DET1 Regulates Cul4A Activity and Forms Stable Complexes with E2 Ubiquitin-Conjugating Enzymes. <i>Molecular and Cellular Biology</i> , 2007, 27, 4708-4719.	2.5	48
101	Functional regulation of the DNA damage-recognition factor DDB2 by ubiquitination and interaction with xeroderma pigmentosum group C protein. <i>Nucleic Acids Research</i> , 2015, 43, 1700-1713.	14.0	48
102	Identification of DPY19L3 as the C-mannosyltransferase of R-spondin1 in human cells. <i>Molecular Biology of the Cell</i> , 2016, 27, 744-756.	2.5	48
103	β 1,4-Galactosyltransferase (β 24GalT)-IV Is Specific for GlcNAc 6-O-Sulfate. <i>Journal of Biological Chemistry</i> , 2003, 278, 9150-9158.	3.5	47
104	SUV39H2 methylates and stabilizes LSD1 by inhibiting polyubiquitination in human cancer cells. <i>Oncotarget</i> , 2015, 6, 16939-16950.	2.1	47
105	Regulation of Mammalian Protein O-Mannosylation. <i>Journal of Biological Chemistry</i> , 2007, 282, 20200-20206.	3.5	45
106	Structural Basis for Catalytic Activation of Thiocyanate Hydrolase Involving Metal-Ligated Cysteine Modification. <i>Journal of the American Chemical Society</i> , 2009, 131, 14838-14843.	14.6	44
107	Tri-methylation of ATF7IP by G9a/GLP recruits the chromodomain protein MPP8. <i>Epigenetics and Chromatin</i> , 2018, 11, 56.	3.9	44
108	Triazole Ureas Covalently Bind to Strigolactone Receptor and Antagonize Strigolactone Responses. <i>Molecular Plant</i> , 2019, 12, 44-58.	8.4	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. <i>Journal of Biological Chemistry</i> , 2004, 279, 40084-40090.	3.5	43
110	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.	3.4	43
111	<i>Neisseria meningitidis</i> Translation Elongation Factor P and Its Active-Site Arginine Residue Are Essential for Cell Viability. <i>PLoS ONE</i> , 2016, 11, e0147907.	2.5	43
112	PRMT1 is required for RAP55 to localize to processing bodies. <i>RNA Biology</i> , 2012, 9, 610-623.	3.3	42
113	Serine Proteinase Inhibitor 3 and Murinoglobulin I Are Potent Inhibitors of Neuropsin in Adult Mouse Brain. <i>Journal of Biological Chemistry</i> , 2001, 276, 14562-14571.	3.5	41
114	Crystal Structure and Activity of the Endoribonuclease Domain of the piRNA Pathway Factor Maelstrom. <i>Cell Reports</i> , 2015, 11, 366-375.	6.3	41
115	Evaluation of Mangrove Cover Changes in Mexico During the 1970â€“2005 Period. <i>Wetlands</i> , 2014, 34, 747-758.	1.5	40
116	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.	3.4	40
117	The Lyn kinase C-lobe mediates Golgi export of Lyn through conformation-dependent ACSL3 association. <i>Journal of Cell Science</i> , 2010, 123, 2649-2662.	2.1	39
118	Effects of <sc>SMYD</sc>-mediated <sc>EML</sc>-4<sc>ALK</sc> methylation on the signaling pathway and growth in non-small cell lung cancer cells. <i>Cancer Science</i> , 2017, 108, 1203-1209.	4.0	39
119	Cryo-EM structure of the volume-regulated anion channel LRRC8D isoform identifies features important for substrate permeation. <i>Communications Biology</i> , 2020, 3, 240.	4.5	39
120	SMYD3-mediated lysine methylation in the PH domain is critical for activation of AKT1. <i>Oncotarget</i> , 2016, 7, 75023-75037.	2.1	39
121	S-Adenosyl-L-Methionine:L-Methionine S-Methyltransferase from Germinating Barley. <i>Plant Physiology</i> , 1998, 118, 431-438.	5.1	38
122	Two types of fucoxanthin-chlorophyll-binding proteins I tightly bound to the photosystem I core complex in marine centric diatoms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 529-539.	1.6	38
123	C-mannosylation of human hyaluronidase 1: Possible roles for secretion and enzymatic activity. <i>International Journal of Oncology</i> , 2014, 45, 344-350.	3.2	38
124	Histone H3 Methylated at Arginine 17 Is Essential for Reprogramming the Paternal Genome in Zygotes. <i>Cell Reports</i> , 2017, 20, 2756-2765.	6.3	38
125	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.	0.5	38
126	PRMT6 increases cytoplasmic localization of p21CDKN1A in cancer cells through arginine methylation and makes more resistant to cytotoxic agents. <i>Oncotarget</i> , 2015, 6, 30957-30967.	2.1	38

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127	Cryo-EM structure of the transposon-associated TnpB enzyme. <i>Nature</i> , 2023, 616, 390-397.	36.2	38
128	Hormone Signaling Linked to Silkworm Sex Pheromone Biosynthesis Involves Ca ²⁺ /Calmodulin-dependent Protein Kinase II-mediated Phosphorylation of the Insect PAT Family Protein <i>Bombyx mori</i> Lipid Storage Droplet Protein-1 (BmLsd1). <i>Journal of Biological Chemistry</i> , 2011, 286, 24101-24112.	3.5	37
129	Anodic and Cathodic Extracellular Electron Transfer by the Filamentous Bacterium <i>Ardenticatena maritima</i> 110S. <i>Frontiers in Microbiology</i> , 2018, 9, 68.	3.6	37
130	Critical roles of SMYD2-mediated H ² -catenin methylation for nuclear translocation and activation of Wnt signaling. <i>Oncotarget</i> , 2017, 8, 55837-55847.	2.1	37
131	Topological Analysis of the Extrinsic PsbO, PsbP and PsbQ Proteins in a Green Algal PSII Complex by Cross-Linking with a Water-Soluble Carbodiimide. <i>Plant and Cell Physiology</i> , 2010, 51, 718-727.	3.2	36
132	Identification of acrolein-conjugated protein in plasma of patients with brain infarction. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1234-1239.	2.2	36
133	Structure of a cyanobacterial photosystem I surrounded by octadecameric IsiA antenna proteins. <i>Communications Biology</i> , 2020, 3, 232.	4.5	35
134	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, .	7.6	34
135	Purification and Characterization of Intracellular Proteinases in <i>Pleurotus ostreatus</i> Fruiting Bodies. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 2074-2080.	1.3	33
136	Design and Synthesis of de Novo Cytochromes. <i>Biochemistry</i> , 2004, 43, 9823-9833.	2.6	33
137	Active site-directed proteomic probes for adenylation domains in nonribosomal peptide synthetases. <i>Chemical Communications</i> , 2015, 51, 2262-2265.	4.2	33
138	Novel O-GlcNAcylation on Ser40 of canonical H2A isoforms specific to viviparity. <i>Scientific Reports</i> , 2016, 6, 31785.	3.4	33
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