

Tohru Natsume

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156
papers

14,921
citations

52
h-index

121
g-index

162
ext. papers

16,808
ext. citations

9.2
avg, IF

5.88
L-index

#	Paper	IF	Citations
156	Homeostatic levels of p62 control cytoplasmic inclusion body formation in autophagy-deficient mice. <i>Cell</i> , 2007 , 131, 1149-63	56.2	1685
155	The selective autophagy substrate p62 activates the stress responsive transcription factor Nrf2 through inactivation of Keap1. <i>Nature Cell Biology</i> , 2010 , 12, 213-23	23.4	1540
154	Nutrient-dependent mTORC1 association with the ULK1-Atg13-FIP200 complex required for autophagy. <i>Molecular Biology of the Cell</i> , 2009 , 20, 1981-91	3.5	1419
153	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. <i>Journal of Cell Biology</i> , 2008 , 181, 497-510	7.3	716
152	Mouse Apg16L, a novel WD-repeat protein, targets to the autophagic isolation membrane with the Apg12-Apg5 conjugate. <i>Journal of Cell Science</i> , 2003 , 116, 1679-88	5.3	568
151	Shugoshin collaborates with protein phosphatase 2A to protect cohesin. <i>Nature</i> , 2006 , 441, 46-52	50.4	469
150	Direct binding of follistatin to a complex of bone-morphogenetic protein and its receptor inhibits ventral and epidermal cell fates in early <i>Xenopus</i> embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 9337-42	11.5	380
149	WNK1 regulates phosphorylation of cation-chloride-coupled cotransporters via the STE20-related kinases, SPAK and OSR1. <i>Journal of Biological Chemistry</i> , 2005 , 280, 42685-93	5.4	356
148	Atg101, a novel mammalian autophagy protein interacting with Atg13. <i>Autophagy</i> , 2009 , 5, 973-9	10.2	335
147	Subtype-specific and ER lumenal environment-dependent regulation of inositol 1,4,5-trisphosphate receptor type 1 by ERp44. <i>Cell</i> , 2005 , 120, 85-98	56.2	305
146	Skp2-mediated degradation of p27 regulates progression into mitosis. <i>Developmental Cell</i> , 2004 , 6, 661-70.2	10.2	305
145	The HOPS complex mediates autophagosome-lysosome fusion through interaction with syntaxin 17. <i>Molecular Biology of the Cell</i> , 2014 , 25, 1327-37	3.5	298
144	Non-canonical inhibition of DNA damage-dependent ubiquitination by OTUB1. <i>Nature</i> , 2010 , 466, 941-6	50.4	256
143	A novel protein-conjugating system for Ufm1, a ubiquitin-fold modifier. <i>EMBO Journal</i> , 2004 , 23, 1977-86.3	6.3	215
142	JNK phosphorylation of 14-3-3 proteins regulates nuclear targeting of c-Abl in the apoptotic response to DNA damage. <i>Nature Cell Biology</i> , 2005 , 7, 278-85	23.4	204
141	A novel proteasome interacting protein recruits the deubiquitinating enzyme UCH37 to 26S proteasomes. <i>EMBO Journal</i> , 2006 , 25, 4524-36	13	199
140	A heterodimeric complex that promotes the assembly of mammalian 20S proteasomes. <i>Nature</i> , 2005 , 437, 1381-5	50.4	193

139	A direct nanoflow liquid chromatography-tandem mass spectrometry system for interaction proteomics. <i>Analytical Chemistry</i> , 2002 , 74, 4725-33	7.8	181
138	Tti1 and Tel2 are critical factors in mammalian target of rapamycin complex assembly. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20109-16	5.4	179
137	Activity-dependent synaptogenesis: regulation by a CaM-kinase kinase/CaM-kinase I/betaPIX signaling complex. <i>Neuron</i> , 2008 , 57, 94-107	13.9	178
136	Assembly pathway of the Mammalian proteasome base subcomplex is mediated by multiple specific chaperones. <i>Cell</i> , 2009 , 137, 914-25	56.2	146
135	CHD8 suppresses p53-mediated apoptosis through histone H1 recruitment during early embryogenesis. <i>Nature Cell Biology</i> , 2009 , 11, 172-82	23.4	141
134	Proteomic profiling of lipid droplet proteins in hepatoma cell lines expressing hepatitis C virus core protein. <i>Journal of Biochemistry</i> , 2006 , 139, 921-30	3.1	141
133	Intrinsically Disordered Protein TEX264 Mediates ER-phagy. <i>Molecular Cell</i> , 2019 , 74, 909-921.e6	17.6	127
132	A novel type of E3 ligase for the Ufm1 conjugation system. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5417-27	5.4	122
131	Intracellular phosphatidylserine is essential for retrograde membrane traffic through endosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15846-51	11.5	122
130	Cooperation of multiple chaperones required for the assembly of mammalian 20S proteasomes. <i>Molecular Cell</i> , 2006 , 24, 977-84	17.6	110
129	Mitochondrial phosphoglycerate mutase 5 uses alternate catalytic activity as a protein serine/threonine phosphatase to activate ASK1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12301-5	11.5	106
128	Protein phosphatase 6 down-regulates TAK1 kinase activation in the IL-1 signaling pathway. <i>Journal of Biological Chemistry</i> , 2006 , 281, 39891-6	5.4	103
127	A novel ubiquitin-binding protein ZNF216 functioning in muscle atrophy. <i>EMBO Journal</i> , 2006 , 25, 554-64	13	103
126	NARF, an nemo-like kinase (NLK)-associated ring finger protein regulates the ubiquitylation and degradation of T cell factor/lymphoid enhancer factor (TCF/LEF). <i>Journal of Biological Chemistry</i> , 2006 , 281, 20749-20760	5.4	94
125	Combination of biomolecular interaction analysis and mass spectrometric amino acid sequencing. <i>Analytical Chemistry</i> , 2000 , 72, 4193-8	7.8	94
124	Ero1 and PDIs constitute a hierarchical electron transfer network of endoplasmic reticulum oxidoreductases. <i>Journal of Cell Biology</i> , 2013 , 202, 861-74	7.3	93
123	Analysis of small human proteins reveals the translation of upstream open reading frames of mRNAs. <i>Genome Research</i> , 2004 , 14, 2048-52	9.7	83
122	An RNA-interacting protein, SYNCRIP (heterogeneous nuclear ribonuclear protein Q1/NSAP1) is a component of mRNA granule transported with inositol 1,4,5-trisphosphate receptor type 1 mRNA in neuronal dendrites. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53427-34	5.4	81

121	Stimulus-coupled interaction of tyrosine hydroxylase with 14-3-3 proteins. <i>Biochemistry</i> , 1999 , 38, 15673-80	3.8	81
120	RPA assists HSF1 access to nucleosomal DNA by recruiting histone chaperone FACT. <i>Molecular Cell</i> , 2012 , 48, 182-94	17.6	77
119	Artificial human Met agonists based on macrocycle scaffolds. <i>Nature Communications</i> , 2015 , 6, 6373	17.4	73
118	Dual regulation of the transcriptional activity of Nrf1 by TrCP- and Hrd1-dependent degradation mechanisms. <i>Molecular and Cellular Biology</i> , 2011 , 31, 4500-12	4.8	72
117	Interaction between soluble type I receptor for bone morphogenetic protein and bone morphogenetic protein-4. <i>Journal of Biological Chemistry</i> , 1997 , 272, 11535-40	5.4	72
116	Loss of Parkinson's disease-associated protein CHCHD2 affects mitochondrial crista structure and destabilizes cytochrome c. <i>Nature Communications</i> , 2017 , 8, 15500	17.4	69
115	Promotion of neurite extension by protrudin requires its interaction with vesicle-associated membrane protein-associated protein. <i>Journal of Biological Chemistry</i> , 2009 , 284, 13766-13777	5.4	66
114	STAT3 regulates Nemo-like kinase by mediating its interaction with IL-6-stimulated TGFbeta-activated kinase 1 for STAT3 Ser-727 phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 4524-9	11.5	66
113	Leucine-rich repeat kinase LRRK1 regulates endosomal trafficking of the EGF receptor. <i>Nature Communications</i> , 2011 , 2, 158	17.4	62
112	Physical and functional interaction between Dofin and Valosin-containing protein that are colocalized in ubiquitylated inclusions in neurodegenerative disorders. <i>Journal of Biological Chemistry</i> , 2004 , 279, 51376-85	5.4	62
111	A large-scale targeted proteomics assay resource based on an in vitro human proteome. <i>Nature Methods</i> , 2017 , 14, 251-258	21.6	61
110	DDB2, the xeroderma pigmentosum group E gene product, is directly ubiquitylated by Cullin 4A-based ubiquitin ligase complex. <i>DNA Repair</i> , 2005 , 4, 537-45	4.3	60
109	Human fibrillarin forms a sub-complex with splicing factor 2-associated p32, protein arginine methyltransferases, and tubulins alpha 3 and beta 1 that is independent of its association with preribosomal ribonucleoprotein complexes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 1607-14	5.4	59
108	LARP1 specifically recognizes the 3' terminus of poly(A) mRNA. <i>FEBS Letters</i> , 2013 , 587, 2173-8	3.8	58
107	Mitochondrial hexokinase HKI is a novel substrate of the Parkin ubiquitin ligase. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 428, 197-202	3.4	56
106	The Kelch repeat protein KLHDC10 regulates oxidative stress-induced ASK1 activation by suppressing PP5. <i>Molecular Cell</i> , 2012 , 48, 692-704	17.6	56
105	Gasp, a Grb2-associating protein, is critical for positive selection of thymocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 16345-50	11.5	53
104	Acetylation regulates subcellular localization of eukaryotic translation initiation factor 5A (eIF5A). <i>FEBS Letters</i> , 2012 , 586, 3236-41	3.8	52

103	Mutations causing DOK7 congenital myasthenia ablate functional motifs in Dok-7. <i>Journal of Biological Chemistry</i> , 2008 , 283, 5518-24	5.4	52
102	Wnt signalling regulates paxillin ubiquitination essential for mesodermal cell motility. <i>Nature Cell Biology</i> , 2007 , 9, 813-21	23.4	51
101	ZFP36L1 and ZFP36L2 control LDLR mRNA stability via the ERK-RSK pathway. <i>Nucleic Acids Research</i> , 2014 , 42, 10037-49	20.1	47
100	Dynamic regulation of Ero1 β and peroxiredoxin 4 localization in the secretory pathway. <i>Journal of Biological Chemistry</i> , 2013 , 288, 29586-94	5.4	44
99	Multiple regulatory mechanisms of the biological function of NRF3 (NFE2L3) control cancer cell proliferation. <i>Scientific Reports</i> , 2017 , 7, 12494	4.9	43
98	Codon bias confers stability to human mRNAs. <i>EMBO Reports</i> , 2019 , 20, e48220	6.5	43
97	Pre-emptive Quality Control Protects the ER from Protein Overload via the Proximity of ERAD Components and SRP. <i>Cell Reports</i> , 2015 , 13, 944-56	10.6	42
96	Nedd4-induced monoubiquitination of IRS-2 enhances IGF signalling and mitogenic activity. <i>Nature Communications</i> , 2015 , 6, 6780	17.4	42
95	XRab40 and XCullin5 form a ubiquitin ligase complex essential for the noncanonical Wnt pathway. <i>EMBO Journal</i> , 2007 , 26, 3592-606	13	41
94	Redox Sensitivities of Global Cellular Cysteine Residues under Reductive and Oxidative Stress. <i>Journal of Proteome Research</i> , 2016 , 15, 2548-59	5.6	41
93	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. <i>Science Signaling</i> , 2018 , 11,	8.8	40
92	The casein kinase 2-nrf1 axis controls the clearance of ubiquitinated proteins by regulating proteasome gene expression. <i>Molecular and Cellular Biology</i> , 2013 , 33, 3461-72	4.8	40
91	Anchoring of the 26S proteasome to the organellar membrane by FKBP38. <i>Genes To Cells</i> , 2007 , 12, 709-19		40
90	Novel in vitro protein fragment complementation assay applicable to high-throughput screening in a 1536-well format. <i>Journal of Biomolecular Screening</i> , 2009 , 14, 970-9		39
89	BIA-MS-MS: biomolecular interaction analysis for functional proteomics. <i>Trends in Biotechnology</i> , 2001 , 19, S28-33	15.1	39
88	CNOT3 contributes to early B cell development by controlling Igh rearrangement and p53 mRNA stability. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1465-79	16.6	38
87	Cdc37 interacts with the glycine-rich loop of Hsp90 client kinases. <i>Molecular and Cellular Biology</i> , 2006 , 26, 3378-89	4.8	38
86	XGAP, an ArfGAP, is required for polarized localization of PAR proteins and cell polarity in <i>Xenopus</i> gastrulation. <i>Developmental Cell</i> , 2006 , 11, 69-79	10.2	38

85	Post-transcriptional Stabilization of Ucp1 mRNA Protects Mice from Diet-Induced Obesity. <i>Cell Reports</i> , 2015 , 13, 2756-67	10.6	37
84	SIRT1 Regulates Thyroid-Stimulating Hormone Release by Enhancing PIP5Kgamma Activity through Deacetylation of Specific Lysine Residues in Mammals. <i>PLoS ONE</i> , 2010 , 5, e11755	3.7	37
83	The subcellular localization and activity of cortactin is regulated by acetylation and interaction with Keap1. <i>Science Signaling</i> , 2015 , 8, ra120	8.8	36
82	Control of AIF-mediated cell death by antagonistic functions of CHIP ubiquitin E3 ligase and USP2 deubiquitinating enzyme. <i>Cell Death and Differentiation</i> , 2011 , 18, 1326-36	12.7	35
81	Ubiquitylation of Ku80 by RNF126 Promotes Completion of Nonhomologous End Joining-Mediated DNA Repair. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	32
80	A small-molecule compound inhibits a collagen-specific molecular chaperone and could represent a potential remedy for fibrosis. <i>Journal of Biological Chemistry</i> , 2017 , 292, 20076-20085	5.4	32
79	IQGAP1 protein regulates nuclear localization of Ectenin via importin-β protein in Wnt signaling. <i>Journal of Biological Chemistry</i> , 2013 , 288, 36351-60	5.4	32
78	Angiotensin-like 2, a circadian gene, improves type 2 diabetes through potentiation of insulin sensitivity in mice adipocytes. <i>Endocrinology</i> , 2011 , 152, 2558-67	4.8	32
77	Histone chaperone Spt6 is required for class switch recombination but not somatic hypermutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7920-5	11.5	32
76	Dok-3 sequesters Grb2 and inhibits the Ras-Erk pathway downstream of protein-tyrosine kinases. <i>Genes To Cells</i> , 2006 , 11, 143-51	2.3	32
75	Combinatorial CRISPR/Cas9 Approach to Elucidate a Far-Upstream Enhancer Complex for Tissue-Specific Sox9 Expression. <i>Developmental Cell</i> , 2018 , 46, 794-806.e6	10.2	31
74	CNOT3 suppression promotes necroptosis by stabilizing mRNAs for cell death-inducing proteins. <i>Scientific Reports</i> , 2015 , 5, 14779	4.9	30
73	Novel thioredoxin-related transmembrane protein TMX4 has reductase activity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 7135-42	5.4	30
72	Directed Evolution of a Cyclized Peptoid-Peptide Chimera against a Cell-Free Expressed Protein and Proteomic Profiling of the Interacting Proteins to Create a Protein-Protein Interaction Inhibitor. <i>ACS Chemical Biology</i> , 2016 , 11, 1569-77	4.9	30
71	Rapid analysis of protein interactions: On-chip micropurification of recombinant protein expressed in <i>Escherichia coli</i> . <i>Proteomics</i> , 2002 , 2, 1247-53	4.8	29
70	Distinct types of protease systems are involved in homeostasis regulation of mitochondrial morphology via balanced fusion and fission. <i>Genes To Cells</i> , 2016 , 21, 408-24	2.3	28
69	Insulin/insulin-like growth factor (IGF) stimulation abrogates an association between a deubiquitinating enzyme USP7 and insulin receptor substrates (IRSs) followed by proteasomal degradation of IRSs. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 423, 122-7	3.4	26
68	Inositol 1,4,5-triphosphate receptor-binding protein released with inositol 1,4,5-triphosphate (IRBIT) associates with components of the mRNA 3Tprocessing machinery in a phosphorylation-dependent manner and inhibits polyadenylation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 10684-705	5.4	26

67	TRIM48 Promotes ASK1 Activation and Cell Death through Ubiquitination-Dependent Degradation of the ASK1-Negative Regulator PRMT1. <i>Cell Reports</i> , 2017 , 21, 2447-2457	10.6	24
66	Robotic crowd biology with Maholo LabDroids. <i>Nature Biotechnology</i> , 2017 , 35, 310-312	44.5	23
65	The transmembrane nucleoporin NDC1 is required for targeting of ALADIN to nuclear pore complexes. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 389, 100-4	3.4	23
64	The DHR1 domain of DOCK180 binds to SNX5 and regulates cation-independent mannose 6-phosphate receptor transport. <i>Molecular Biology of the Cell</i> , 2008 , 19, 3823-35	3.5	23
63	SAP155-mediated splicing of FUSE-binding protein-interacting repressor serves as a molecular switch for c-myc gene expression. <i>Molecular Cancer Research</i> , 2012 , 10, 787-99	6.6	22
62	New aureothin derivative, alloaureothin, from <i>Streptomyces</i> sp. MM23. <i>Journal of Antibiotics</i> , 2007 , 60, 321-4	3.7	22
61	IQGAP1 functions as a modulator of dishevelled nuclear localization in Wnt signaling. <i>PLoS ONE</i> , 2013 , 8, e60865	3.7	22
60	Comparative analysis of human SRC-family kinase substrate specificity in vitro. <i>Journal of Proteome Research</i> , 2010 , 9, 5982-93	5.6	21
59	Asef2 and Neurabin2 cooperatively regulate actin cytoskeletal organization and are involved in HGF-induced cell migration. <i>Oncogene</i> , 2009 , 28, 1357-65	9.2	21
58	Ankyrin repeat domain 28 (ANKRD28), a novel binding partner of DOCK180, promotes cell migration by regulating focal adhesion formation. <i>Experimental Cell Research</i> , 2009 , 315, 863-76	4.2	21
57	Nucleocytoplasmic shuttling of the zinc finger protein EZI 1s mediated by importin-7-dependent nuclear import and CRM1-independent export mechanisms. <i>Journal of Biological Chemistry</i> , 2007 , 282, 32327-37	5.4	21
56	Endosomal phosphatidylserine is critical for the YAP signalling pathway in proliferating cells. <i>Nature Communications</i> , 2017 , 8, 1246	17.4	19
55	Suppression of p53 activity through the cooperative action of Ski and histone deacetylase SIRT1. <i>Journal of Biological Chemistry</i> , 2011 , 286, 6311-20	5.4	19
54	U7 small nuclear ribonucleoprotein represses histone gene transcription in cell cycle-arrested cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5693-8	11.5	19
53	Structure-activity relationship study, target identification, and pharmacological characterization of a small molecular IL-12/23 inhibitor, APY0201. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 3021-9	3.4	18
52	Statistical analysis of features associated with protein expression/solubility in an in vivo <i>Escherichia coli</i> expression system and a wheat germ cell-free expression system. <i>Journal of Biochemistry</i> , 2011 , 150, 73-81	3.1	18
51	WDR26 is a new partner of Axin1 in the canonical Wnt signaling pathway. <i>FEBS Letters</i> , 2016 , 590, 1291-303	3.0	18
50	Tankyrase-Binding Protein TNKS1BP1 Regulates Actin Cytoskeleton Rearrangement and Cancer Cell Invasion. <i>Cancer Research</i> , 2017 , 77, 2328-2338	10.1	17

49	Endoplasmic reticulum proteins SDF2 and SDF2L1 act as components of the BiP chaperone cycle to prevent protein aggregation. <i>Genes To Cells</i> , 2017 , 22, 684-698	2.3	17
48	DIVERSE System: De Novo Creation of Peptide Tags for Non-enzymatic Covalent Labeling by In Vitro Evolution for Protein Imaging Inside Living Cells. <i>Chemistry and Biology</i> , 2015 , 22, 1671-9		17
47	The PX-RICS-14-3-3zeta/theta complex couples N-cadherin-beta-catenin with dynein-dynactin to mediate its export from the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2010 , 285, 16145-54	5.4	17
46	Nemo-like kinase-myocyte enhancer factor 2A signaling regulates anterior formation in <i>Xenopus</i> development. <i>Molecular and Cellular Biology</i> , 2007 , 27, 7623-30	4.8	17
45	Real time analysis of interaction between inositol 1,4, 5-trisphosphate receptor type I and its ligand. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 260, 527-33	3.4	17
44	VCP Is an integral component of a novel feedback mechanism that controls intracellular localization of catalase and H ₂ O ₂ Levels. <i>PLoS ONE</i> , 2013 , 8, e56012	3.7	17
43	The role of acetylation in the subcellular localization of an oncogenic isoform of translation factor eIF5A. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 2165-7	2.1	16
42	Nemo-like kinase, an essential effector of anterior formation, functions downstream of p38 mitogen-activated protein kinase. <i>Molecular and Cellular Biology</i> , 2010 , 30, 675-83	4.8	16
41	CAATT/enhancer-binding proteins alpha and delta interact with NKX2-1 to synergistically activate mouse secretoglobin 3A2 gene expression. <i>Journal of Biological Chemistry</i> , 2008 , 283, 25617-25627	5.4	16
40	TBL2 is a novel PERK-binding protein that modulates stress-signaling and cell survival during endoplasmic reticulum stress. <i>PLoS ONE</i> , 2014 , 9, e112761	3.7	16
39	Identification and functional analysis of Zranb2 as a novel Smad-binding protein that suppresses BMP signaling. <i>Journal of Cellular Biochemistry</i> , 2012 , 113, 808-14	4.7	15
38	ZFP36L2 is a cell cycle-regulated CCCH protein necessary for DNA lesion-induced S-phase arrest. <i>Biology Open</i> , 2018 , 7,	2.2	14
37	USP15 stabilizes the transcription factor Nrf1 in the nucleus, promoting the proteasome gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 363-370	3.4	14
36	PLEIAD/SIMC1/C5orf25, a novel autolysis regulator for a skeletal-muscle-specific calpain, CAPN3, scaffolds a CAPN3 substrate, CTBP1. <i>Journal of Molecular Biology</i> , 2013 , 425, 2955-72	6.5	14
35	Total synthesis and characterization of thielocin B1 as a protein-protein interaction inhibitor of PAC3 homodimer. <i>Chemical Science</i> , 2014 , 5, 1860-1868	9.4	12
34	A parallel affinity purification method for selective isolation of polyubiquitinated proteins. <i>Proteomics</i> , 2008 , 8, 3004-7	4.8	12
33	Chaperone complex BAG2-HSC70 regulates localization of <i>Caenorhabditis elegans</i> leucine-rich repeat kinase LRK-1 to the Golgi. <i>Genes To Cells</i> , 2016 , 21, 311-24	2.3	12
32	TMED10 Protein Interferes with Transforming Growth Factor (TGF)- β Signaling by Disrupting TGF- β Receptor Complex Formation. <i>Journal of Biological Chemistry</i> , 2017 , 292, 4099-4112	5.4	11

31	Promotion of the Warburg effect is associated with poor benefit from adjuvant chemotherapy in colorectal cancer. <i>Cancer Science</i> , 2020 , 111, 658-666	6.9	11
30	Mesdc2 plays a key role in cell-surface expression of Lrp4 and postsynaptic specialization in myotubes. <i>FEBS Letters</i> , 2013 , 587, 3749-54	3.8	11
29	USP15 attenuates IGF-I signaling by antagonizing Nedd4-induced IRS-2 ubiquitination. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 484, 522-528	3.4	10
28	Determination of Rate-Limiting Factor for Formation of Beta-Catenin Destruction Complexes Using Absolute Protein Quantification. <i>Journal of Proteome Research</i> , 2017 , 16, 3576-3584	5.6	10
27	A novel human dynactin-associated protein, dynAP, promotes activation of Akt, and ergosterol-related compounds induce dynAP-dependent apoptosis of human cancer cells. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 2934-42	6.1	9
26	A novel nuclear export inhibitor JBIR-02, a new piericidin discovered from <i>Streptomyces</i> sp. ML55. <i>Journal of Antibiotics</i> , 2007 , 60, 459-62	3.7	9
25	Alternative exon skipping biases substrate preference of the deubiquitylase USP15 for myosin/RNF213, the moyamoya disease susceptibility factor. <i>Scientific Reports</i> , 2017 , 7, 44293	4.9	8
24	MERIT40-dependent recruitment of tankyrase to damaged DNA and its implication for cell sensitivity to DNA-damaging anticancer drugs. <i>Oncotarget</i> , 2018 , 9, 35844-35855	3.3	8
23	Calpain-10 regulates actin dynamics by proteolysis of microtubule-associated protein 1B. <i>Scientific Reports</i> , 2018 , 8, 16756	4.9	8
22	Discovery of a new pyrimidine synthesis inhibitor eradicating glioblastoma-initiating cells. <i>Neuro-Oncology</i> , 2020 , 22, 229-239	1	7
21	Identification of a herpes simplex virus 1 gene encoding neurovirulence factor by chemical proteomics. <i>Nature Communications</i> , 2020 , 11, 4894	17.4	6
20	Detection of Transgenes in Gene Delivery Model Mice by Adenoviral Vector Using ddPCR. <i>Genes</i> , 2019 , 10,	4.2	5
19	The endoplasmic reticulum-localized protein TBL2 interacts with the 60S ribosomal subunit. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 462, 383-8	3.4	5
18	CACUL1/CAC1 Regulates the Antioxidant Response by Stabilizing Nrf2. <i>Scientific Reports</i> , 2015 , 5, 12857	4.9	5
17	TBL2 Associates With ATF4 mRNA Via Its WD40 Domain and Regulates Its Translation During ER Stress. <i>Journal of Cellular Biochemistry</i> , 2016 , 117, 500-9	4.7	5
16	The C-terminal cytoplasmic tail of hedgehog receptor Patched1 is a platform for E3 ubiquitin ligase complexes. <i>Molecular and Cellular Biochemistry</i> , 2016 , 414, 1-12	4.2	5
15	A crosslinker-based identification of redox relay targets. <i>Analytical Biochemistry</i> , 2017 , 520, 22-26	3.1	4
14	Functional profiling of asymmetrically-organized human CCT/TRiC chaperonin. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 481, 232-238	3.4	4

13	CNOT3 suppression promotes necroptosis by stabilizing mRNAs for cell death-inducing proteins		4
12	A Variable Scheduling Maintenance Culture Platform for Mammalian Cells. <i>SLAS Technology</i> , 2021 , 26, 209-217	3	4
11	Mys protein regulates protein kinase A activity by interacting with regulatory type Ialpha subunit during vertebrate development. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5106-16	5-4	3
10	Robotic Search for Optimal Cell Culture in Regenerative Medicine		3
9	Synthesis and biological evaluation of thielocin B1 analogues as protein-protein interaction inhibitors of PAC3 homodimer. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 6023-6034	3-4	3
8	FAM48A mediates compensatory autophagy induced by proteasome impairment. <i>Genes To Cells</i> , 2019 , 24, 559-568	2-3	1
7	Regulation of Fetal Genes by Transitions among RNA-Binding Proteins during Liver Development. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6-3	1
6	Automatic radioisotope manipulation for small amount of nuclear medicine using an EWOD device with a dimple structure. <i>Royal Society Open Science</i> , 2021 , 8, 201809	3-3	1
5	An organ-derived extracellular matrix triggers in situ kidney regeneration in a preclinical model.. <i>Npj Regenerative Medicine</i> , 2022 , 7, 18	15-8	1
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