Tohru Natsume

List of Publications by Year in Descending Order

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	An organ-derived extracellular matrix triggers in situ kidney regeneration in a preclinical model.. *Npj Regenerative Medicine*, **2022**, 7, 18	15.8	1
155	Role of the Orphan Transporter SLC35E1 in the Nuclear Egress of Herpes Simplex Virus 1.. *Journal of Virology*, **2022**, e0030622	6.6	0
154	ASKA technology-based pull-down method reveals a suppressive effect of ASK1 on the inflammatory NOD-RIPK2 pathway in brown adipocytes . *Scientific Reports*, **2021**, 11, 22009	4.9	
153	Automatic radioisotope manipulation for small amount of nuclear medicine using an EWOD device with a dimple structure. *Royal Society Open Science*, **2021**, 8, 201809	3.3	1
152	Cleaved PGAM5 dephosphorylates nuclear serine/arginine-rich proteins during mitophagy. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2021**, 1868, 119045	4.9	0
151	A Variable Scheduling Maintenance Culture Platform for Mammalian Cells. *SLAS Technology*, **2021**, 26, 209-217	3	4
150	Promotion of the Warburg effect is associated with poor benefit from adjuvant chemotherapy in colorectal cancer. *Cancer Science*, **2020**, 111, 658-666	6.9	11
149	Discovery of a new pyrimidine synthesis inhibitor eradicating glioblastoma-initiating cells. *Neuro-Oncology*, **2020**, 22, 229-239	1	7
148	Identification of a herpes simplex virus 1 gene encoding neurovirulence factor by chemical proteomics. *Nature Communications*, **2020**, 11, 4894	17.4	6
147	Regulation of Fetal Genes by Transitions among RNA-Binding Proteins during Liver Development. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
146	FAM48A mediates compensatory autophagy induced by proteasome impairment. *Genes To Cells*, **2019**, 24, 559-568	2.3	1
145	Detection of Transgenes in Gene Delivery Model Mice by Adenoviral Vector Using ddPCR. *Genes*, **2019**, 10,	4.2	5
144	Intrinsically Disordered Protein TEX264 Mediates ER-phagy. *Molecular Cell*, **2019**, 74, 909-921.e6	17.6	127
143	Codon bias confers stability to human mRNAs. *EMBO Reports*, **2019**, 20, e48220	6.5	43
142	ZFP36L2 is a cell cycle-regulated CCCH protein necessary for DNA lesion-induced S-phase arrest. *Biology Open*, **2018**, 7,	2.2	14
141	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. *Science Signaling*, **2018**, 11,	8.8	40
140	Combinatorial CRISPR/Cas9 Approach to Elucidate a Far-Upstream Enhancer Complex for Tissue-Specific Sox9 Expression. *Developmental Cell*, **2018**, 46, 794-806.e6	10.2	31

139	MERIT40-dependent recruitment of tankyrase to damaged DNA and its implication for cell sensitivity to DNA-damaging anticancer drugs. *Oncotarget*, **2018**, 9, 35844-35855	3.3	8
138	Calpain-10 regulates actin dynamics by proteolysis of microtubule-associated protein 1B. *Scientific Reports*, **2018**, 8, 16756	4.9	8
137	Synthesis and biological evaluation of thielocin B1 analogues as protein-protein interaction inhibitors of PAC3 homodimer. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 6023-6034	3.4	3
136	A crosslinker-based identification of redox relay targets. *Analytical Biochemistry*, **2017**, 520, 22-26	3.1	4
135	TMED10 Protein Interferes with Transforming Growth Factor (TGF)-β Signaling by Disrupting TGF-β Receptor Complex Formation. *Journal of Biological Chemistry*, **2017**, 292, 4099-4112	5.4	11
134	USP15 attenuates IGF-I signaling by antagonizing Nedd4-induced IRS-2 ubiquitination. *Biochemical and Biophysical Research Communications*, **2017**, 484, 522-528	3.4	10
133	Tankyrase-Binding Protein TNKS1BP1 Regulates Actin Cytoskeleton Rearrangement and Cancer Cell Invasion. *Cancer Research*, **2017**, 77, 2328-2338	10.1	17
132	Alternative exon skipping biases substrate preference of the deubiquitylase USP15 for mysterin/RNF213, the moyamoya disease susceptibility factor. *Scientific Reports*, **2017**, 7, 44293	4.9	8
131	Robotic crowd biology with Maholo LabDroids. *Nature Biotechnology*, **2017**, 35, 310-312	44.5	23
130	Ubiquitylation of Ku80 by RNF126 Promotes Completion of Nonhomologous End Joining-Mediated DNA Repair. *Molecular and Cellular Biology*, **2017**, 37,	4.8	32
129	Loss of Parkinson's disease-associated protein CHCHD2 affects mitochondrial crista structure and destabilizes cytochrome c. *Nature Communications*, **2017**, 8, 15500	17.4	69
128	Endoplasmic reticulum proteins SDF2 and SDF2L1 act as components of the BiP chaperone cycle to prevent protein aggregation. *Genes To Cells*, **2017**, 22, 684-698	2.3	17
127	A large-scale targeted proteomics assay resource based on an in vitro human proteome. *Nature Methods*, **2017**, 14, 251-258	21.6	61
126	Multiple regulatory mechanisms of the biological function of NRF3 (NFE2L3) control cancer cell proliferation. *Scientific Reports*, **2017**, 7, 12494	4.9	43
125	Endosomal phosphatidylserine is critical for the YAP signalling pathway in proliferating cells. *Nature Communications*, **2017**, 8, 1246	17.4	19
124	A small-molecule compound inhibits a collagen-specific molecular chaperone and could represent a potential remedy for fibrosis. *Journal of Biological Chemistry*, **2017**, 292, 20076-20085	5.4	32
123	Determination of Rate-Limiting Factor for Formation of Beta-Catenin Destruction Complexes Using Absolute Protein Quantification. *Journal of Proteome Research*, **2017**, 16, 3576-3584	5.6	10
122	TRIM48 Promotes ASK1 Activation and Cell Death through Ubiquitination-Dependent Degradation of the ASK1-Negative Regulator PRMT1. *Cell Reports*, **2017**, 21, 2447-2457	10.6	24

121	USP15 stabilizes the transcription factor Nrf1 in the nucleus, promoting the proteasome gene expression. *Biochemical and Biophysical Research Communications*, **2016**, 478, 363-370	3.4	14
120	Functional profiling of asymmetrically-organized human CCT/TRiC chaperonin. *Biochemical and Biophysical Research Communications*, **2016**, 481, 232-238	3.4	4
119	Distinct types of protease systems are involved in homeostasis regulation of mitochondrial morphology via balanced fusion and fission. *Genes To Cells*, **2016**, 21, 408-24	2.3	28
118	TBL2 Associates With ATF4 mRNA Via Its WD40 Domain and Regulates Its Translation During ER Stress. *Journal of Cellular Biochemistry*, **2016**, 117, 500-9	4.7	5
117	Chaperone complex BAG2-HSC70 regulates localization of Caenorhabditis elegans leucine-rich repeat kinase LRK-1 to the Golgi. *Genes To Cells*, **2016**, 21, 311-24	2.3	12
116	Redox Sensitivities of Global Cellular Cysteine Residues under Reductive and Oxidative Stress. *Journal of Proteome Research*, **2016**, 15, 2548-59	5.6	41
115	WDR26 is a new partner of Axin1 in the canonical Wnt signaling pathway. *FEBS Letters*, **2016**, 590, 1291-303	3.8	18
114	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. *ACS Chemical Biology*, **2016**, 11, 1569-77	4.9	30
113	The C-terminal cytoplasmic tail of hedgehog receptor Patched1 is a platform for E3 ubiquitin ligase complexes. *Molecular and Cellular Biochemistry*, **2016**, 414, 1-12	4.2	5
112	CNOT3 contributes to early B cell development by controlling Igh rearrangement and p53 mRNA stability. *Journal of Experimental Medicine*, **2015**, 212, 1465-79	16.6	38
111	The endoplasmic reticulum-localized protein TBL2 interacts with the 60S ribosomal subunit. *Biochemical and Biophysical Research Communications*, **2015**, 462, 383-8	3.4	5
110	The subcellular localization and activity of cortactin is regulated by acetylation and interaction with Keap1. *Science Signaling*, **2015**, 8, ra120	8.8	36
109	Pre-emptive Quality Control Protects the ER from Protein Overload via the Proximity of ERAD Components and SRP. *Cell Reports*, **2015**, 13, 944-56	10.6	42
108	CNOT3 suppression promotes necroptosis by stabilizing mRNAs for cell death-inducing proteins. *Scientific Reports*, **2015**, 5, 14779	4.9	30
107	CACUL1/CAC1 Regulates the Antioxidant Response by Stabilizing Nrf2. *Scientific Reports*, **2015**, 5, 12857	4.9	5
106	Artificial human Met agonists based on macrocycle scaffolds. *Nature Communications*, **2015**, 6, 6373	17.4	73
105	Nedd4-induced monoubiquitination of IRS-2 enhances IGF signalling and mitogenic activity. *Nature Communications*, **2015**, 6, 6780	17.4	42
104	Post-transcriptional Stabilization of Ucp1 mRNA Protects Mice from Diet-Induced Obesity. *Cell Reports*, **2015**, 13, 2756-67	10.6	37

103	DIVERSE System: De Novo Creation of Peptide Tags for Non-enzymatic Covalent Labeling by In Vitro Evolution for Protein Imaging Inside Living Cells. *Chemistry and Biology*, **2015**, 22, 1671-9		17
102	Purification of noncoding RNA and bound proteins using FLAG peptide-conjugated antisense-oligonucleotides. *Methods in Molecular Biology*, **2015**, 1262, 265-74	1.4	
101	Structure-activity relationship study, target identification, and pharmacological characterization of a small molecular IL-12/23 inhibitor, APY0201. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 3021-9	3.4	18
100	The HOPS complex mediates autophagosome-lysosome fusion through interaction with syntaxin 17. *Molecular Biology of the Cell*, **2014**, 25, 1327-37	3.5	298
99	Total synthesis and characterization of thielocin B1 as a protein protein interaction inhibitor of PAC3 homodimer. *Chemical Science*, **2014**, 5, 1860-1868	9.4	12
98	ZFP36L1 and ZFP36L2 control LDLR mRNA stability via the ERK-RSK pathway. *Nucleic Acids Research*, **2014**, 42, 10037-49	20.1	47
97	TBL2 is a novel PERK-binding protein that modulates stress-signaling and cell survival during endoplasmic reticulum stress. *PLoS ONE*, **2014**, 9, e112761	3.7	16
96	PLEIAD/SIMC1/C5orf25, a novel autolysis regulator for a skeletal-muscle-specific calpain, CAPN3, scaffolds a CAPN3 substrate, CTBP1. *Journal of Molecular Biology*, **2013**, 425, 2955-72	6.5	14
95	Mesdc2 plays a key role in cell-surface expression of Lrp4 and postsynaptic specialization in myotubes. *FEBS Letters*, **2013**, 587, 3749-54	3.8	11
94	LARP1 specifically recognizes the 3 terminus of poly(A) mRNA. *FEBS Letters*, **2013**, 587, 2173-8	3.8	58
93	The casein kinase 2-nrf1 axis controls the clearance of ubiquitinated proteins by regulating proteasome gene expression. *Molecular and Cellular Biology*, **2013**, 33, 3461-72	4.8	40
92	Dynamic regulation of Ero1 and peroxiredoxin 4 localization in the secretory pathway. *Journal of Biological Chemistry*, **2013**, 288, 29586-94	5.4	44
91	IQGAP1 protein regulates nuclear localization of catenin via importin- protein in Wnt signaling. *Journal of Biological Chemistry*, **2013**, 288, 36351-60	5.4	32
90	Ero1- and PDIs constitute a hierarchical electron transfer network of endoplasmic reticulum oxidoreductases. *Journal of Cell Biology*, **2013**, 202, 861-74	7.3	93
89	VCP Is an integral component of a novel feedback mechanism that controls intracellular localization of catalase and H2O2 Levels. *PLoS ONE*, **2013**, 8, e56012	3.7	17
88	IQGAP1 functions as a modulator of dishevelled nuclear localization in Wnt signaling. *PLoS ONE*, **2013**, 8, e60865	3.7	22
87	Identification and functional analysis of Zranb2 as a novel Smad-binding protein that suppresses BMP signaling. *Journal of Cellular Biochemistry*, **2012**, 113, 808-14	4.7	15
86	Mitochondrial hexokinase HKI is a novel substrate of the Parkin ubiquitin ligase. *Biochemical and Biophysical Research Communications*, **2012**, 428, 197-202	3.4	56

85	The Kelch repeat protein KLHDC10 regulates oxidative stress-induced ASK1 activation by suppressing PP5. *Molecular Cell*, **2012**, 48, 692-704	17.6	56
84	Acetylation regulates subcellular localization of eukaryotic translation initiation factor 5A (eIF5A). *FEBS Letters*, **2012**, 586, 3236-41	3.8	52
83	The role of acetylation in the subcellular localization of an oncogenic isoform of translation factor eIF5A. *Bioscience, Biotechnology and Biochemistry*, **2012**, 76, 2165-7	2.1	16
82	RPA assists HSF1 access to nucleosomal DNA by recruiting histone chaperone FACT. *Molecular Cell*, **2012**, 48, 182-94	17.6	77
81	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. *Biochemical and Biophysical Research Communications*, **2012**, 423, 122-7	3.4	26
80	SAP155-mediated splicing of FUSE-binding protein-interacting repressor serves as a molecular switch for c-myc gene expression. *Molecular Cancer Research*, **2012**, 10, 787-99	6.6	22
79	U7 small nuclear ribonucleoprotein represses histone gene transcription in cell cycle-arrested cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5693-8	11.5	19
78	Control of AIF-mediated cell death by antagonistic functions of CHIP ubiquitin E3 ligase and USP2 deubiquitinating enzyme. *Cell Death and Differentiation*, **2011**, 18, 1326-36	12.7	35
77	Statistical analysis of features associated with protein expression/solubility in an in vivo Escherichia coli expression system and a wheat germ cell-free expression system. *Journal of Biochemistry*, **2011**, 150, 73-81	3.1	18
76	Leucine-rich repeat kinase LRRK1 regulates endosomal trafficking of the EGF receptor. *Nature Communications*, **2011**, 2, 158	17.4	62
75	Angiopoietin-like 2, a circadian gene, improves type 2 diabetes through potentiation of insulin sensitivity in mice adipocytes. *Endocrinology*, **2011**, 152, 2558-67	4.8	32
74	Dual regulation of the transcriptional activity of Nrf1 by β-TrCP- and Hrd1-dependent degradation mechanisms. *Molecular and Cellular Biology*, **2011**, 31, 4500-12	4.8	72
73	Histone chaperone Spt6 is required for class switch recombination but not somatic hypermutation. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 7920-5	11.5	32
72	Intracellular phosphatidylserine is essential for retrograde membrane traffic through endosomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 15846-51	11.5	122
71	Suppression of p53 activity through the cooperative action of Ski and histone deacetylase SIRT1. *Journal of Biological Chemistry*, **2011**, 286, 6311-20	5.4	19
70	Non-canonical inhibition of DNA damage-dependent ubiquitination by OTUB1. *Nature*, **2010**, 466, 941-6	50.4	256
69	The selective autophagy substrate p62 activates the stress responsive transcription factor Nrf2 through inactivation of Keap1. *Nature Cell Biology*, **2010**, 12, 213-23	23.4	1540
68	SIRT1 Regulates Thyroid-Stimulating Hormone Release by Enhancing PIP5Kgamma Activity through Deacetylation of Specific Lysine Residues in Mammals. *PLoS ONE*, **2010**, 5, e11755	3.7	37

67	Novel thioredoxin-related transmembrane protein TMX4 has reductase activity. *Journal of Biological Chemistry*, **2010**, 285, 7135-42	5.4	30
66	The PX-RICS-14-3-3zeta/theta complex couples N-cadherin-beta-catenin with dynein-dynactin to mediate its export from the endoplasmic reticulum. *Journal of Biological Chemistry*, **2010**, 285, 16145-54	5.4	17
65	Mys protein regulates protein kinase A activity by interacting with regulatory type Ialpha subunit during vertebrate development. *Journal of Biological Chemistry*, **2010**, 285, 5106-16	5.4	3
64	Nemo-like kinase, an essential effector of anterior formation, functions downstream of p38 mitogen-activated protein kinase. *Molecular and Cellular Biology*, **2010**, 30, 675-83	4.8	16
63	A novel human dynactin-associated protein, dynAP, promotes activation of Akt, and ergosterol-related compounds induce dynAP-dependent apoptosis of human cancer cells. *Molecular Cancer Therapeutics*, **2010**, 9, 2934-42	6.1	9
62	A novel type of E3 ligase for the Ufm1 conjugation system. *Journal of Biological Chemistry*, **2010**, 285, 5417-27	5.4	122
61	Comparative analysis of human SRC-family kinase substrate specificity in vitro. *Journal of Proteome Research*, **2010**, 9, 5982-93	5.6	21
60	Tti1 and Tel2 are critical factors in mammalian target of rapamycin complex assembly. *Journal of Biological Chemistry*, **2010**, 285, 20109-16	5.4	179
59	Promotion of neurite extension by protrudin requires its interaction with vesicle-associated membrane protein-associated protein. *Journal of Biological Chemistry*, **2009**, 284, 13766-13777	5.4	66
58	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. *Journal of Biological Chemistry*, **2009**, 284, 10694-705	5.4	26
57	Atg101, a novel mammalian autophagy protein interacting with Atg13. *Autophagy*, **2009**, 5, 973-9	10.2	335
56	Gasp, a Grb2-associating protein, is critical for positive selection of thymocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 16345-50	11.5	53
55	Mitochondrial phosphoglycerate mutase 5 uses alternate catalytic activity as a protein serine/threonine phosphatase to activate ASK1. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 12301-5	11.5	106
54	CHD8 suppresses p53-mediated apoptosis through histone H1 recruitment during early embryogenesis. *Nature Cell Biology*, **2009**, 11, 172-82	23.4	141
53	Asef2 and Neurabin2 cooperatively regulate actin cytoskeletal organization and are involved in HGF-induced cell migration. *Oncogene*, **2009**, 28, 1357-65	9.2	21
52	Novel in vitro protein fragment complementation assay applicable to high-throughput screening in a 1536-well format. *Journal of Biomolecular Screening*, **2009**, 14, 970-9		39
51	Assembly pathway of the Mammalian proteasome base subcomplex is mediated by multiple specific chaperones. *Cell*, **2009**, 137, 914-25	56.2	146
50	The transmembrane nucleoporin NDC1 is required for targeting of ALADIN to nuclear pore complexes. *Biochemical and Biophysical Research Communications*, **2009**, 389, 100-4	3.4	23

49	Ankyrin repeat domain 28 (ANKRD28), a novel binding partner of DOCK180, promotes cell migration by regulating focal adhesion formation. *Experimental Cell Research*, **2009**, 315, 863-76	4.2	21
48	Nutrient-dependent mTORC1 association with the ULK1-Atg13-FIP200 complex required for autophagy. *Molecular Biology of the Cell*, **2009**, 20, 1981-91	3.5	1419
47	Activity-dependent synaptogenesis: regulation by a CaM-kinase kinase/CaM-kinase I/betaPIX signaling complex. *Neuron*, **2008**, 57, 94-107	13.9	178
46	Mutations causing DOK7 congenital myasthenia ablate functional motifs in Dok-7. *Journal of Biological Chemistry*, **2008**, 283, 5518-24	5.4	52
45	CAATT/enhancer-binding proteins alpha and delta interact with NKX2-1 to synergistically activate mouse secretoglobin 3A2 gene expression. *Journal of Biological Chemistry*, **2008**, 283, 25617-25627	5.4	16
44	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. *Journal of Cell Biology*, **2008**, 181, 497-510	7.3	716
43	The DHR1 domain of DOCK180 binds to SNX5 and regulates cation-independent mannose 6-phosphate receptor transport. *Molecular Biology of the Cell*, **2008**, 19, 3823-35	3.5	23
42	A parallel affinity purification method for selective isolation of polyubiquitinated proteins. *Proteomics*, **2008**, 8, 3004-7	4.8	12
41	Wnt signalling regulates paxillin ubiquitination essential for mesodermal cell motility. *Nature Cell Biology*, **2007**, 9, 813-21	23.4	51
40	XRab40 and XCullin5 form a ubiquitin ligase complex essential for the noncanonical Wnt pathway. *EMBO Journal*, **2007**, 26, 3592-606	13	41
39	New aureothin derivative, alloaureothin, from Streptomyces sp. MM23. *Journal of Antibiotics*, **2007**, 60, 321-4	3.7	22
38	A novel nuclear export inhibitor JBIR-02, a new piericidin discovered from Streptomyces sp. ML55. *Journal of Antibiotics*, **2007**, 60, 459-62	3.7	9
37	Anchoring of the 26S proteasome to the organellar membrane by FKBP38. *Genes To Cells*, **2007**, 12, 709-19	2.3	40
36	Nucleocytoplasmic shuttling of the zinc finger protein EZI Is mediated by importin-7-dependent nuclear import and CRM1-independent export mechanisms. *Journal of Biological Chemistry*, **2007**, 282, 32327-37	5.4	21
35	Nemo-like kinase-myocyte enhancer factor 2A signaling regulates anterior formation in Xenopus development. *Molecular and Cellular Biology*, **2007**, 27, 7623-30	4.8	17
34	Homeostatic levels of p62 control cytoplasmic inclusion body formation in autophagy-deficient mice. *Cell*, **2007**, 131, 1149-63	56.2	1685
33	Protein phosphatase 6 down-regulates TAK1 kinase activation in the IL-1 signaling pathway. *Journal of Biological Chemistry*, **2006**, 281, 39891-6	5.4	103
32	Cdc37 interacts with the glycine-rich loop of Hsp90 client kinases. *Molecular and Cellular Biology*, **2006**, 26, 3378-89	4.8	38

31	NARF, an nemo-like kinase (NLK)-associated ring finger protein regulates the ubiquitylation and degradation of T cell factor/lymphoid enhancer factor (TCF/LEF). *Journal of Biological Chemistry*, **2006**, 281, 20749-20760	5.4	94
30	Proteomic profiling of lipid droplet proteins in hepatoma cell lines expressing hepatitis C virus core protein. *Journal of Biochemistry*, **2006**, 139, 921-30	3.1	141
29	XGAP, an ArfGAP, is required for polarized localization of PAR proteins and cell polarity in Xenopus gastrulation. *Developmental Cell*, **2006**, 11, 69-79	10.2	38
28	Cooperation of multiple chaperones required for the assembly of mammalian 20S proteasomes. *Molecular Cell*, **2006**, 24, 977-84	17.6	110
27	Dok-3 sequesters Grb2 and inhibits the Ras-Erk pathway downstream of protein-tyrosine kinases. *Genes To Cells*, **2006**, 11, 143-51	2.3	32
26	Shugoshin collaborates with protein phosphatase 2A to protect cohesin. *Nature*, **2006**, 441, 46-52	50.4	469
25	A novel ubiquitin-binding protein ZNF216 functioning in muscle atrophy. *EMBO Journal*, **2006**, 25, 554-64	13	103
24	A novel proteasome interacting protein recruits the deubiquitinating enzyme UCH37 to 26S proteasomes. *EMBO Journal*, **2006**, 25, 4524-36	13	199
23	Subtype-specific and ER lumenal environment-dependent regulation of inositol 1,4,5-trisphosphate receptor type 1 by ERp44. *Cell*, **2005**, 120, 85-98	56.2	305
22	DDB2, the xeroderma pigmentosum group E gene product, is directly ubiquitylated by Cullin 4A-based ubiquitin ligase complex. *DNA Repair*, **2005**, 4, 537-45	4.3	60
21	JNK phosphorylation of 14-3-3 proteins regulates nuclear targeting of c-Abl in the apoptotic response to DNA damage. *Nature Cell Biology*, **2005**, 7, 278-85	23.4	204
20	A heterodimeric complex that promotes the assembly of mammalian 20S proteasomes. *Nature*, **2005**, 437, 1381-5	50.4	193
19	STAT3 regulates Nemo-like kinase by mediating its interaction with IL-6-stimulated TGFbeta-activated kinase 1 for STAT3 Ser-727 phosphorylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 4524-9	11.5	66
18	WNK1 regulates phosphorylation of cation-chloride-coupled cotransporters via the STE20-related kinases, SPAK and OSR1. *Journal of Biological Chemistry*, **2005**, 280, 42685-93	5.4	356
17	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. *Journal of Biological Chemistry*, **2004**, 279, 1607-14	5.4	59
16	Physical and functional interaction between Dorfin and Valosin-containing protein that are colocalized in ubiquitylated inclusions in neurodegenerative disorders. *Journal of Biological Chemistry*, **2004**, 279, 51376-85	5.4	62
15	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. *Journal of Biological Chemistry*, **2004**, 279, 53427-34	5.4	81
14	Analysis of small human proteins reveals the translation of upstream open reading frames of mRNAs. *Genome Research*, **2004**, 14, 2048-52	9.7	83

13	A novel protein-conjugating system for Ufm1, a ubiquitin-fold modifier. *EMBO Journal*, **2004**, 23, 1977-86	13	215
12	Skp2-mediated degradation of p27 regulates progression into mitosis. *Developmental Cell*, **2004**, 6, 661-72	12.2	305
11	Mouse Apg16L, a novel WD-repeat protein, targets to the autophagic isolation membrane with the Apg12-Apg5 conjugate. *Journal of Cell Science*, **2003**, 116, 1679-88	5.3	568
10	Rapid analysis of protein interactions: On-chip micropurification of recombinant protein expressed in Esherichia coli. *Proteomics*, **2002**, 2, 1247-53	4.8	29
9	A direct nanoflow liquid chromatography-tandem mass spectrometry system for interaction proteomics. *Analytical Chemistry*, **2002**, 74, 4725-33	7.8	181
8	BIA-MS-MS: biomolecular interaction analysis for functional proteomics. *Trends in Biotechnology*, **2001**, 19, S28-33	15.1	39
7	Combination of biomolecular interaction analysis and mass spectrometric amino acid sequencing. *Analytical Chemistry*, **2000**, 72, 4193-8	7.8	94
6	Stimulus-coupled interaction of tyrosine hydroxylase with 14-3-3 proteins. *Biochemistry*, **1999**, 38, 15673-80	3.0	81
5	Real time analysis of interaction between inositol 1,4, 5-trisphosphate receptor type I and its ligand. *Biochemical and Biophysical Research Communications*, **1999**, 260, 527-33	3.4	17
4	Direct binding of follistatin to a complex of bone-morphogenetic protein and its receptor inhibits ventral and epidermal cell fates in early Xenopus embryo. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 9337-42	11.5	380
3	Interaction between soluble type I receptor for bone morphogenetic protein and bone morphogenetic protein-4. *Journal of Biological Chemistry*, **1997**, 272, 11535-40	5.4	72
2	CNOT3 suppression promotes necroptosis by stabilizing mRNAs for cell death-inducing proteins		4
1	Robotic Search for Optimal Cell Culture in Regenerative Medicine		3