

# Tatsuya Sawasaki

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

175 papers	5,010 citations	38 h-index	63 g-index
183 ext. papers	5,752 ext. citations	5.5 avg, IF	5.32 L-index

#	Paper	IF	Citations
175	A highly efficient and robust cell-free protein synthesis system prepared from wheat embryos: plants apparently contain a suicide system directed at ribosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 559-64	11.5	422
174	A cell-free protein synthesis system for high-throughput proteomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 14652-7	11.5	407
173	Cell-free expression systems for eukaryotic protein production. <i>Current Opinion in Biotechnology</i> , <b>2006</b> , 17, 373-80	11.4	184
172	Wheat germ cell-free system-based production of malaria proteins for discovery of novel vaccine candidates. <i>Infection and Immunity</i> , <b>2008</b> , 76, 1702-8	3.7	176
171	A bilayer cell-free protein synthesis system for high-throughput screening of gene products. <i>FEBS Letters</i> , <b>2002</b> , 514, 102-5	3.8	175
170	Practical cell-free protein synthesis system using purified wheat embryos. <i>Nature Protocols</i> , <b>2010</b> , 5, 227-38	18.8	150
169	Regulation of Arabidopsis defense responses against <i>Spodoptera littoralis</i> by CPK-mediated calcium signaling. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 97	5.3	102
168	Na, K-ATPase $\beta$ is a death target of Alzheimer patient amyloid- $\beta$ assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E4465-74	11.5	89
167	High-throughput, genome-scale protein production method based on the wheat germ cell-free expression system. <i>Biotechnology Advances</i> , <b>2003</b> , 21, 695-713	17.8	83
166	Suppression of LUBAC-mediated linear ubiquitination by a specific interaction between LUBAC and the deubiquitinases CYLD and OTULIN. <i>Genes To Cells</i> , <b>2014</b> , 19, 254-72	2.3	81
165	Ribonuclease activity of rat liver perchloric acid-soluble protein, a potent inhibitor of protein synthesis. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 20688-92	5.4	81
164	Linear ubiquitination is involved in the pathogenesis of optineurin-associated amyotrophic lateral sclerosis. <i>Nature Communications</i> , <b>2016</b> , 7, 12547	17.4	74
163	Involvement of hepatitis C virus NS5A hyperphosphorylation mediated by casein kinase I- $\alpha$ in infectious virus production. <i>Journal of Virology</i> , <b>2014</b> , 88, 7541-55	6.6	65
162	SOCS1 is an inducible host factor during HIV-1 infection and regulates the intracellular trafficking and stability of HIV-1 Gag. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 294-9	11.5	61
161	Implication of allelic polymorphism of osteopontin in the development of lupus nephritis in MRL/lpr mice. <i>European Journal of Immunology</i> , <b>2005</b> , 35, 1510-20	6.1	59
160	A new class of enzyme acting on damaged ribosomes: ribosomal RNA apurinic site specific lyase found in wheat germ. <i>EMBO Journal</i> , <b>1999</b> , 18, 6522-31	13	59
159	Structures of transgene loci in transgenic Arabidopsis plants obtained by particle bombardment: junction regions can bind to nuclear matrices. <i>Gene</i> , <b>1998</b> , 218, 27-35	3.8	56

158	A wheat germ cell-free system is a novel way to screen protein folding and function. <i>Protein Science</i> , <b>2003</b> , 12, 1216-21	6.3	56
157	Arabidopsis HY5 protein functions as a DNA-binding tag for purification and functional immobilization of proteins on agarose/DNA microplate. <i>FEBS Letters</i> , <b>2008</b> , 582, 221-8	3.8	54
156	Efficient synthesis of a disulfide-containing protein through a batch cell-free system from wheat germ. <i>FEBS Journal</i> , <b>2003</b> , 270, 4780-6		52
155	Bach2-Batf interactions control Th2-type immune response by regulating the IL-4 amplification loop. <i>Nature Communications</i> , <b>2016</b> , 7, 12596	17.4	51
154	Isolation and identification of ubiquitin-related proteins from Arabidopsis seedlings. <i>Journal of Experimental Botany</i> , <b>2009</b> , 60, 3067-73	7	51
153	High-throughput, genome-scale protein production method based on the wheat germ cell-free expression system. <i>Journal of Structural and Functional Genomics</i> , <b>2004</b> , 5, 45-57		51
152	Characterization of RyDEN (C19orf66) as an Interferon-Stimulated Cellular Inhibitor against Dengue Virus Replication. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005357	7.6	49
151	Highly stable and efficient mRNA templates for mRNA-protein fusions and C-terminally labeled proteins. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, e78	20.1	47
150	Production and partial purification of membrane proteins using a liposome-supplemented wheat cell-free translation system. <i>BMC Biotechnology</i> , <b>2011</b> , 11, 35	3.5	46
149	Genome-scale, biochemical annotation method based on the wheat germ cell-free protein synthesis system. <i>Phytochemistry</i> , <b>2004</b> , 65, 1549-55	4	46
148	Novel protein fold discovered in the PabI family of restriction enzymes. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 1908-18	20.1	45
147	Selection of 5' untranslated sequences that enhance initiation of translation in a cell-free protein synthesis system from wheat embryos. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 5402-6	2.9	44
146	Production of monoclonal antibodies against GPCR using cell-free synthesized GPCR antigen and biotinylated liposome-based interaction assay. <i>Scientific Reports</i> , <b>2015</b> , 5, 11333	4.9	43
145	A simple and high-sensitivity method for analysis of ubiquitination and polyubiquitination based on wheat cell-free protein synthesis. <i>BMC Plant Biology</i> , <b>2009</b> , 9, 39	5.3	43
144	Simple screening method for autoantigen proteins using the N-terminal biotinylated protein library produced by wheat cell-free synthesis. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 4264-73	5.6	42
143	Amyloid $\beta$ directly interacts with NLRP3 to initiate inflammasome activation: identification of an intrinsic NLRP3 ligand in a cell-free system. <i>Inflammation and Regeneration</i> , <b>2018</b> , 38, 27	10.9	41
142	Autophosphorylation profiling of Arabidopsis protein kinases using the cell-free system. <i>Phytochemistry</i> , <b>2011</b> , 72, 1136-44	4	40
141	The molecular mechanism of apoptosis upon caspase-8 activation: quantitative experimental validation of a mathematical model. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2012</b> , 1823, 1825-40	4.9	39

140	Suppression of DS1 phosphatidic acid phosphatase confirms resistance to <i>Ralstonia solanacearum</i> in <i>Nicotiana benthamiana</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e75124	3.7	39
139	An efficient approach to the production of vaccines against the malaria parasite. <i>Methods in Molecular Biology</i> , <b>2010</b> , 607, 73-83	1.4	39
138	Characterization of a caspase-3-substrate kinome using an N- and C-terminally tagged protein kinase library produced by a cell-free system. <i>Cell Death and Disease</i> , <b>2010</b> , 1, e89	9.8	38
137	Novel fluorescence labeling and high-throughput assay technologies for in vitro analysis of protein interactions. <i>Genome Research</i> , <b>2002</b> , 12, 487-92	9.7	38
136	Establishment of a robust dengue virus NS3-NS5 binding assay for identification of protein-protein interaction inhibitors. <i>Antiviral Research</i> , <b>2012</b> , 96, 305-14	10.8	37
135	The wheat germ cell-free expression system: methods for high-throughput materialization of genetic information. <i>Methods in Molecular Biology</i> , <b>2005</b> , 310, 131-44	1.4	37
134	Angubindin-1, a novel paracellular absorption enhancer acting at the tricellular tight junction. <i>Journal of Controlled Release</i> , <b>2017</b> , 260, 1-11	11.7	36
133	AGIA Tag System Based on a High Affinity Rabbit Monoclonal Antibody against Human Dopamine Receptor D1 for Protein Analysis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156716	3.7	36
132	OsMYC2, an essential factor for JA-inductive sakuranetin production in rice, interacts with MYC2-like proteins that enhance its transactivation ability. <i>Scientific Reports</i> , <b>2017</b> , 7, 40175	4.9	35
131	Members of the Plant CRK Superfamily Are Capable of Trans- and Autophosphorylation of Tyrosine Residues. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 16665-77	5.4	34
130	A novel Sec14 phospholipid transfer protein from <i>Nicotiana benthamiana</i> is up-regulated in response to <i>Ralstonia solanacearum</i> infection, pathogen associated molecular patterns and effector molecules and involved in plant immunity. <i>Journal of Plant Physiology</i> , <b>2012</b> , 169, 1017-22	3.6	31
129	Establishment of a Wheat Cell-Free Synthesized Protein Array Containing 250 Human and Mouse E3 Ubiquitin Ligases to Identify Novel Interaction between E3 Ligases and Substrate Proteins. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156718	3.7	31
128	Wheat germ cell-free protein production system for post-genomic research. <i>New Biotechnology</i> , <b>2011</b> , 28, 211-7	6.4	30
127	Aquifex aeolicus tRNA (Gm18) methyltransferase has unique substrate specificity. TRNA recognition mechanism of the enzyme. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 25081-90	5.4	30
126	Overexpression of the PAP1 transcription factor reveals a complex regulation of flavonoid and phenylpropanoid metabolism in <i>Nicotiana tabacum</i> plants attacked by <i>Spodoptera litura</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e108849	3.7	29
125	Requirement for microtubule integrity in the SOCS1-mediated intracellular dynamics of HIV-1 Gag. <i>FEBS Letters</i> , <b>2009</b> , 583, 1243-50	3.8	29
124	The phosphorylation of HIV-1 Gag by atypical protein kinase C facilitates viral infectivity by promoting Vpr incorporation into virions. <i>Retrovirology</i> , <b>2014</b> , 11, 9	3.6	28
123	Formation of circular polyribosomes in wheat germ cell-free protein synthesis system. <i>FEBS Letters</i> , <b>2004</b> , 562, 155-9	3.8	28

122	Methods for high-throughput materialization of genetic information based on wheat germ cell-free expression system. <i>Methods in Molecular Biology</i> , <b>2007</b> , 375, 95-106	1.4	27
121	HTLV-1 Tax Induces Formation of the Active Macromolecular IKK Complex by Generating Lys63- and Met1-Linked Hybrid Polyubiquitin Chains. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006162	7.6	26
120	Claudin-5-Binders Enhance Permeation of Solutes across the Blood-Brain Barrier in a Mammalian Model. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2017</b> , 363, 275-283	4.7	25
119	A set of ligation-independent in vitro translation vectors for eukaryotic protein production. <i>BMC Biotechnology</i> , <b>2008</b> , 8, 32	3.5	25
118	Wheat germ-based protein libraries for the functional characterisation of the Arabidopsis E2 ubiquitin conjugating enzymes and the RING-type E3 ubiquitin ligase enzymes. <i>BMC Plant Biology</i> , <b>2015</b> , 15, 275	5.3	24
117	AirID, a novel proximity biotinylation enzyme, for analysis of protein-protein interactions. <i>ELife</i> , <b>2020</b> , 9,	8.9	24
116	Tyrosine phosphorylation of the GARU E3 ubiquitin ligase promotes gibberellin signalling by preventing GID1 degradation. <i>Nature Communications</i> , <b>2017</b> , 8, 1004	17.4	23
115	High-throughput synthesis of stable isotope-labeled transmembrane proteins for targeted transmembrane proteomics using a wheat germ cell-free protein synthesis system. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 361-5		21
114	Tolerance for random recombination of domains in prokaryotic and eukaryotic translation systems: Limited interdomain misfolding in a eukaryotic translation system. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2006</b> , 64, 343-54	4.2	21
113	The Ring-Type E3 Ubiquitin Ligase JUL1 Targets the VQ-Motif Protein JAV1 to Coordinate Jasmonate Signaling. <i>Plant Physiology</i> , <b>2019</b> , 179, 1273-1284	6.6	21
112	Efficiency and Safety of CRAC Inhibitors in Human Rheumatoid Arthritis Xenograft Models. <i>Journal of Immunology</i> , <b>2017</b> , 199, 1584-1595	5.3	20
111	Paraquat toxicity induced by voltage-dependent anion channel 1 acts as an NADH-dependent oxidoreductase. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 28642-9	5.4	20
110	A novel MRGPRX2-targeting antagonistic DNA aptamer inhibits histamine release and prevents mast cell-mediated anaphylaxis. <i>European Journal of Pharmacology</i> , <b>2020</b> , 878, 173104	5.3	19
109	MyoD reprogramming requires Six1 and Six4 homeoproteins: genome-wide cis-regulatory module analysis. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 8621-8640	20.1	19
108	Nek5, a novel substrate for caspase-3, promotes skeletal muscle differentiation by up-regulating caspase activity. <i>FEBS Letters</i> , <b>2013</b> , 587, 2219-25	3.8	19
107	In vivo imaging of hierarchical spatiotemporal activation of caspase-8 during apoptosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e50218	3.7	19
106	Detection of structural changes in a cofactor binding protein by using a wheat germ cell-free protein synthesis system coupled with unnatural amino acid probing. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2007</b> , 67, 643-52	4.2	19
105	Cell-free protein synthesis for structure determination by X-ray crystallography. <i>Methods in Molecular Biology</i> , <b>2010</b> , 607, 149-60	1.4	19

104	Claudin-1 Binder Enhances Epidermal Permeability in a Human Keratinocyte Model. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2015</b> , 354, 440-7	4.7	18
103	Functional Characterization of the Receiver Domain for Phosphorelay Control in Hybrid Sensor Kinases. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132598	3.7	18
102	Stress-inducible caspase substrate TRB3 promotes nuclear translocation of procaspase-3. <i>PLoS ONE</i> , <b>2012</b> , 7, e42721	3.7	18
101	Interferon-induced SCYL2 limits release of HIV-1 by triggering PP2A-mediated dephosphorylation of the viral protein Vpu. <i>Science Signaling</i> , <b>2012</b> , 5, ra73	8.8	17
100	Involvement of the 3' Untranslated Region in Encapsidation of the Hepatitis C Virus. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005441	7.6	17
99	Identification of new abscisic acid receptor agonists using a wheat cell-free based drug screening system. <i>Scientific Reports</i> , <b>2018</b> , 8, 4268	4.9	16
98	Anti-interleukin-5 and multiple autoantibodies are associated with human atherosclerotic diseases and serum interleukin-5 levels. <i>FASEB Journal</i> , <b>2013</b> , 27, 3437-45	0.9	16
97	RIP and RALYase cleave the sarcin/ricin domain, a critical domain for ribosome function, during senescence of wheat coleoptiles. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 370, 561-5	3.4	16
96	In vitro selection of zinc finger DNA-binding proteins through ribosome display. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 345, 1149-54	3.4	16
95	Detection of protein-DNA interactions in crude cellular extracts by fluorescence correlation spectroscopy. <i>Analytical Biochemistry</i> , <b>2004</b> , 332, 58-66	3.1	16
94	Advances in genome-wide protein expression using the wheat germ cell-free system. <i>Methods in Molecular Biology</i> , <b>2005</b> , 310, 145-67	1.4	16
93	The apoptotic initiator caspase-8: its functional ubiquity and genetic diversity during animal evolution. <i>Molecular Biology and Evolution</i> , <b>2014</b> , 31, 3282-301	8.3	15
92	Pctaire1/Cdk16 promotes skeletal myogenesis by inducing myoblast migration and fusion. <i>FEBS Letters</i> , <b>2014</b> , 588, 3030-7	3.8	15
91	Myosin phosphatase is inactivated by caspase-3 cleavage and phosphorylation of myosin phosphatase targeting subunit 1 during apoptosis. <i>Molecular Biology of the Cell</i> , <b>2013</b> , 24, 748-56	3.5	15
90	The wheat-germ cell-free expression system. <i>Current Pharmaceutical Biotechnology</i> , <b>2010</b> , 11, 272-8	2.6	15
89	Engineered membrane protein antigens successfully induce antibodies against extracellular regions of claudin-5. <i>Scientific Reports</i> , <b>2018</b> , 8, 8383	4.9	15
88	Involvement of PUF60 in Transcriptional and Post-transcriptional Regulation of Hepatitis B Virus Pregenomic RNA Expression. <i>Scientific Reports</i> , <b>2017</b> , 7, 12874	4.9	14
87	Gfi1, a transcriptional repressor, inhibits the induction of the T helper type 1 programme in activated CD4 T cells. <i>Immunology</i> , <b>2016</b> , 147, 476-87	7.8	14

86	Profiling of autoantibodies in sera of pancreatic cancer patients. <i>Annals of Surgical Oncology</i> , <b>2014</b> , 21 Suppl 3, S459-65	3.1	14
85	Construction of intramolecular luciferase complementation probe for detecting specific RNA. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 956-62	6.3	14
84	Stable transformation of Arabidopsis with the bar gene using particle bombardment. <i>Transgenic Research</i> , <b>1994</b> , 3, 279-286	3.3	14
83	Interaction between RNF8 and DYRK2 is required for the recruitment of DNA repair molecules to DNA double-strand breaks. <i>FEBS Letters</i> , <b>2017</b> , 591, 842-853	3.8	13
82	The E3 ubiquitin ligase MIB2 enhances inflammation by degrading the deubiquitinating enzyme CYLD. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 14135-14148	5.4	13
81	Tyrosine Kinase-Dependent Defense Responses Against Herbivory in Arabidopsis. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 776	6.2	13
80	Evaluating the role of rheumatoid factors for the development of rheumatoid arthritis in a mouse model with a newly established ELISA system. <i>Tohoku Journal of Experimental Medicine</i> , <b>2010</b> , 220, 199-208	2.4	13
79	Biotinylated-sortase self-cleavage purification (BISOP) method for cell-free produced proteins. <i>BMC Biotechnology</i> , <b>2010</b> , 10, 42	3.5	13
78	The wheat germ cell-free based screening of protein substrates of calcium/calmodulin-dependent protein kinase II delta. <i>FEBS Letters</i> , <b>2008</b> , 582, 1795-801	3.8	13
77	DNA-binding profiling of human hormone nuclear receptors via fluorescence correlation spectroscopy in a cell-free system. <i>FEBS Letters</i> , <b>2008</b> , 582, 2737-44	3.8	13
76	OsRALYase1, a putative F-box protein identified in rice, <i>Oryza sativa</i> , with enzyme activity identical to that of wheat RALYase. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2002</b> , 66, 2727-31	2.1	13
75	Structural bases of IMiD selectivity that emerges by 5-hydroxythalidomide. <i>Nature Communications</i> , <b>2020</b> , 11, 4578	17.4	13
74	Thalidomide and its metabolite 5-hydroxythalidomide induce teratogenicity via the cereblon neosubstrate PLZF. <i>EMBO Journal</i> , <b>2021</b> , 40, e105375	13	13
73	Soy and Arabidopsis receptor-like kinases respond to polysaccharide signals from <i>Spodoptera</i> species and mediate herbivore resistance. <i>Communications Biology</i> , <b>2020</b> , 3, 224	6.7	12
72	Functional G-Protein-Coupled Receptor (GPCR) Synthesis: The Pharmacological Analysis of Human Histamine H1 Receptor (HRH1) Synthesized by a Wheat Germ Cell-Free Protein Synthesis System Combined with Asolectin Glycosomes. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 38	5.6	12
71	The ligand binding ability of dopamine D1 receptors synthesized using a wheat germ cell-free protein synthesis system with liposomes. <i>European Journal of Pharmacology</i> , <b>2014</b> , 745, 117-22	5.3	12
70	Novel type of adenylyl cyclase participates in tabtoxinine-lactam-induced cell death and occurrence of wildfire disease in <i>Nicotiana benthamiana</i> . <i>Plant Signaling and Behavior</i> , <b>2014</b> , 9, e27420	2.5	12
69	Ca <sup>2+</sup> -dependent protein kinases and their substrate HsFB2a are differently involved in the heat response signaling pathway in Arabidopsis. <i>Plant Biotechnology</i> , <b>2010</b> , 27, 469-473	1.3	12

68	The initiator caspase, caspase-10beta, and the BH-3-only molecule, Bid, demonstrate evolutionary conservation in <i>Xenopus</i> of their pro-apoptotic activities in the extrinsic and intrinsic pathways. <i>Genes To Cells</i> , <b>2006</b> , 11, 701-17	2.3	12
67	Subquinoxin, a small molecule inhibitor of CYLD and USP-family deubiquitinating enzymes, promotes NF- $\kappa$ B signaling. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 524, 1-7	3.4	12
66	The ubiquitin ligase STUB1 regulates stability and activity of RUNX1 and RUNX1-RUNX1T1. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 12528-12541	5.4	11
65	Arabidopsis CPK3 plays extensive roles in various biological and environmental responses. <i>Plant Signaling and Behavior</i> , <b>2010</b> , 5, 1263-5	2.5	11
64	Activity-based in vitro selection of T4 DNA ligase. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 336, 987-93	3.4	11
63	Pyrrothiogatain acts as an inhibitor of GATA family proteins and inhibits Th2 cell differentiation in vitro. <i>Scientific Reports</i> , <b>2019</b> , 9, 17335	4.9	11
62	PIM kinases facilitate lentiviral evasion from SAMHD1 restriction via Vpx phosphorylation. <i>Nature Communications</i> , <b>2019</b> , 10, 1844	17.4	10
61	Novel approach to identifying autoantibodies in rheumatoid synovitis with a biotinylated human autoantigen library and the enzyme-labeled antigen method. <i>Journal of Immunological Methods</i> , <b>2013</b> , 387, 57-70	2.5	10
60	Covalent circularization of exogenous RNA during incubation with a wheat embryo cell extract. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 347, 1080-7	3.4	10
59	RALyase; a terminator of elongation function of depurinated ribosomes. <i>FEBS Letters</i> , <b>2003</b> , 555, 455-8	3.8	10
58	Novel Autoantigens Associated with Lupus Nephritis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126564	3.7	9
57	Construction of a protein library of Arabidopsis transcription factors using a wheat cell-free protein production system and its application for DNA binding analysis. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2009</b> , 73, 1661-4	2.1	9
56	An IMiD-induced SALL4 degron system for selective degradation of target proteins. <i>Communications Biology</i> , <b>2020</b> , 3, 515	6.7	9
55	DANFIN functions as an inhibitor of transcription factor NF- $\kappa$ B and potentiates the antitumor effect of bortezomib in multiple myeloma. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 495, 2289-2295	3.4	8
54	In situ visualization of plasma cells producing antibodies reactive to <i>Porphyromonas gingivalis</i> in periodontitis: the application of the enzyme-labeled antigen method. <i>Molecular Oral Microbiology</i> , <b>2014</b> , 29, 156-73	4.6	8
53	Identification of RFPL3 protein as a novel E3 ubiquitin ligase modulating the integration activity of human immunodeficiency virus, type 1 preintegration complex using a microtiter plate-based assay. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 26368-26382	5.4	8
52	Genome-wide biochemical analysis of Arabidopsis protein phosphatase using a wheat cell-free system. <i>FEBS Letters</i> , <b>2012</b> , 586, 3134-41	3.8	8
51	Nod2-Nodosome in a Cell-Free System: Implications in Pathogenesis and Drug Discovery for Blau Syndrome and Early-Onset Sarcoidosis. <i>Scientific World Journal, The</i> , <b>2016</b> , 2016, 2597376	2.2	8

50	CP5 system, for simple and highly efficient protein purification with a C-terminal designed mini tag. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178246	3.7	7
49	Applications of reconstituted inflammasomes in a cell-free system to drug discovery and elucidation of the pathogenesis of autoinflammatory diseases. <i>Inflammation and Regeneration</i> , <b>2017</b> , 37, 9	10.9	7
48	Autoantibody Profiles in Collagen Disease Patients with Interstitial Lung Disease (ILD): Antibodies to Major Histocompatibility Complex Class I-Related Chain A (MICA) as Markers of ILD. <i>Biomarker Insights</i> , <b>2015</b> , 10, 63-73	3.5	7
47	Caspase-8 cleavage of the interleukin-21 (IL-21) receptor is a negative feedback regulator of IL-21 signaling. <i>FEBS Letters</i> , <b>2011</b> , 585, 1835-40	3.8	7
46	Specific in situ visualization of plasma cells producing antibodies against <i>Porphyromonas gingivalis</i> in gingival radicular cyst: application of the enzyme-labeled antigen method. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2011</b> , 59, 673-89	3.4	7
45	Characterization of ScORK28, a transmembrane functional protein receptor kinase predominantly expressed in ovaries from the wild potato species <i>Solanum chacoense</i> . <i>FEBS Letters</i> , <b>2007</b> , 581, 5137-42	3.8	7
44	Reconstituted AIM2 inflammasome in cell-free system. <i>Journal of Immunological Methods</i> , <b>2015</b> , 426, 76-81	2.5	6
43	ScreenCap3: Improving prediction of caspase-3 cleavage sites using experimentally verified noncleavage sites. <i>Proteomics</i> , <b>2014</b> , 14, 2042-6	4.8	6
42	CIPK23 regulates blue light-dependent stomatal opening in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2020</b> , 104, 679-692	6.9	6
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