

Masato Taoka

List of Publications by Year in descending order

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88
papers

5,524
citations

76326

40
h-index

85541

71
g-index

90
all docs

90
docs citations

90
times ranked

7210
citing authors

#	ARTICLE	IF	CITATIONS
1	The ER cholesterol sensor SCAP promotes CARTS biogenesis at ER-Golgi membrane contact sites. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	25
2	Cryo-EM structure of the highly atypical cytoplasmic ribosome of <i>Euglena gracilis</i> . <i>Nucleic Acids Research</i> , 2020, 48, 11750-11761.	14.5	19
3	Direct Determination of Pseudouridine in RNA by Mass Spectrometry Coupled with Stable Isotope Labeling. <i>Analytical Chemistry</i> , 2020, 92, 11349-11356.	6.5	14
4	DKC1 Overexpression Induces a More Aggressive Cellular Behavior and Increases Intrinsic Ribosomal Activity in Immortalized Mammary Gland Cells. <i>Cancers</i> , 2020, 12, 3512.	3.7	21
5	Dynamic RNA acetylation revealed by quantitative cross-evolutionary mapping. <i>Nature</i> , 2020, 583, 638-643.	27.8	175
6	An Ionic Liquid-Based Sample Preparation Method for Next-Stage Aggregate Proteomic Analysis. <i>Analytical Chemistry</i> , 2019, 91, 13494-13500.	6.5	7
7	Method for Direct Mass-Spectrometry-Based Identification of Monomethylated RNA Nucleoside Positional Isomers and Its Application to the Analysis of <i>Leishmania</i> rRNA. <i>Analytical Chemistry</i> , 2019, 91, 15634-15643.	6.5	21
8	Low-fluence blue light-induced phosphorylation of Zmphot1 mediates the first positive phototropism. <i>Journal of Experimental Botany</i> , 2019, 70, 5929-5941.	4.8	9
9	Sequential two-step chromatographic purification of infectious poliovirus using ceramic fluoroapatite and ceramic hydroxyapatite columns. <i>PLoS ONE</i> , 2019, 14, e0222199.	2.5	7
10	TDP-43 regulates site-specific 2-O-methylation of U1 and U2 snRNAs via controlling the Cajal body localization of a subset of C/D scaRNAs. <i>Nucleic Acids Research</i> , 2019, 47, 2487-2505.	14.5	25
11	FANCD2 protects genome stability by recruiting RNA processing enzymes to resolve R-loops during mild replication stress. <i>FEBS Journal</i> , 2019, 286, 139-150.	4.7	51
12	Replication stress induces accumulation of FANCD2 at central region of large fragile genes. <i>Nucleic Acids Research</i> , 2018, 46, 2932-2944.	14.5	70
13	Truncated forms of U2 snRNA (U2-tfs) are shunted toward a novel uridylylation pathway that differs from the degradation pathway for U1-tfs. <i>RNA Biology</i> , 2018, 15, 261-268.	3.1	10
14	Structural Analyses of Toll-like Receptor 7 Reveal Detailed RNA Sequence Specificity and Recognition Mechanism of Agonistic Ligands. <i>Cell Reports</i> , 2018, 25, 3371-3381.e5.	6.4	98
15	Subunit Composition of Ribosome in the <i>YqgF</i> Mutant Is Deficient in pre-16S rRNA Processing of <i>Escherichia coli</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2018, 28, 179-182.	1.0	3
16	Landscape of the complete RNA chemical modifications in the human 80S ribosome. <i>Nucleic Acids Research</i> , 2018, 46, 9289-9298.	14.5	242
17	Rab2a and Rab27a cooperatively regulate transition from granule maturation to exocytosis through the dual effector Noc2. <i>Journal of Cell Science</i> , 2017, 130, 541-550.	2.0	27
18	Poly(A)-specific ribonuclease regulates the processing of small-subunit rRNAs in human cells. <i>Nucleic Acids Research</i> , 2017, 45, 3437-3447.	14.5	30

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19	TDP-43 stabilises the processing intermediates of mitochondrial transcripts. <i>Scientific Reports</i> , 2017, 7, 7709.	3.3	45
20	A Sensitive Microbead-Based Organic Media-Assisted Method for Proteomics Sample Preparation from Dilute and Denaturing Solutions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42661-42667.	8.0	7
21	Atomic resolution snapshot of Leishmania ribosome inhibition by the aminoglycoside paromomycin. <i>Nature Communications</i> , 2017, 8, 1589.	12.8	66
22	TRIM32-Cytoplasmic-Body Formation Is an ATP-Consuming Process Stimulated by HSP70 in Cells. <i>PLoS ONE</i> , 2017, 12, e0169436.	2.5	6
23	Quantitative and combinatory determination of in situ phosphorylation of tau and its FTDP-17 mutants. <i>Scientific Reports</i> , 2016, 6, 33479.	3.3	21
24	Structural Analysis Reveals that Toll-like Receptor 7 Is a Dual Receptor for Guanosine and Single-Stranded RNA. <i>Immunity</i> , 2016, 45, 737-748.	14.3	321
25	The complete chemical structure of <i>Saccharomyces cerevisiae</i> rRNA: partial pseudouridylation of U2345 in 25S rRNA by snoRNA snR9. <i>Nucleic Acids Research</i> , 2016, 44, 8951-8961.	14.5	87
26	A mass spectrometry-based method for direct determination of pseudouridine in RNA. <i>Nucleic Acids Research</i> , 2016, 44, e59-e59.	14.5	27
27	Efficient and cost effective production of active-form human PKB using silkworm larvae. <i>Scientific Reports</i> , 2015, 4, 6016.	3.3	9
28	A mass spectrometry-based method for comprehensive quantitative determination of post-transcriptional RNA modifications: the complete chemical structure of <i>Schizosaccharomyces pombe</i> ribosomal RNAs. <i>Nucleic Acids Research</i> , 2015, 43, e115-e115.	14.5	69
29	Direct Identification of Human Cellular MicroRNAs by Nanoflow Liquid Chromatography-High-Resolution Tandem Mass Spectrometry and Database Searching. <i>Analytical Chemistry</i> , 2015, 87, 2884-2891.	6.5	43
30	Novel Essential Gene Involved in 16S rRNA Processing in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2015, 427, 955-965.	4.2	19
31	Toll-like receptor 8 senses degradation products of single-stranded RNA. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 109-115.	8.2	312
32	BTB-ZF Protein Znf131 Regulates Cell Growth of Developing and Mature T Cells. <i>Journal of Immunology</i> , 2015, 195, 982-993.	0.8	7
33	RNase MRP Cleaves Pre-tRNA ^{Ser-Met} in the tRNA Maturation Pathway. <i>PLoS ONE</i> , 2014, 9, e112488.	2.5	8
34	Identification of truncated forms of U1 snRNA reveals a novel RNA degradation pathway during snRNP biogenesis. <i>Nucleic Acids Research</i> , 2014, 42, 2708-2724.	14.5	31
35	Re-examination of a \pm -chymotrypsin-solubilized laccase in the pupal cuticle of the silkworm, <i>Bombyx mori</i> : Insights into the regulation system for laccase activation during the ecdysis process. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 55, 61-69.	2.7	18
36	Glial Dysfunction Causes Age-Related Memory Impairment in <i>Drosophila</i> . <i>Neuron</i> , 2014, 84, 753-763.	8.1	50

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37	Redox proteins are constitutively secreted by skeletal muscle. <i>Journal of Physiological Sciences</i> , 2014, 64, 401-409.	2.1	32
38	Global PROTOMAP Profiling to Search for Biomarkers of Early-Recurrent Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2014, 13, 4847-4858.	3.7	23
39	Macrophage migration inhibitory factor diminishes muscle glucose transport induced by insulin and AICAR in a muscle type-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2014, 444, 496-501.	2.1	17
40	FANCD2 Binds CtIP and Regulates DNA-End Resection during DNA Interstrand Crosslink Repair. <i>Cell Reports</i> , 2014, 7, 1039-1047.	6.4	73
41	Phosphorylation of Drebrin by Cyclin-Dependent Kinase 5 and Its Role in Neuronal Migration. <i>PLoS ONE</i> , 2014, 9, e92291.	2.5	51
42	Multiplicity of 5' Cap Structures Present on Short RNAs. <i>PLoS ONE</i> , 2014, 9, e102895.	2.5	29
43	RNA Cytidine Acetyltransferase of Small-Subunit Ribosomal RNA: Identification of Acetylation Sites and the Responsible Acetyltransferase in Fission Yeast, <i>Schizosaccharomyces pombe</i> . <i>PLoS ONE</i> , 2014, 9, e112156.	2.5	20
44	Identification of a cuticle protein with unique repeated motifs in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 344-351.	2.7	20
45	Denaturing reversed phase liquid chromatographic separation of non-coding ribonucleic acids on macro-porous polystyrene-divinylbenzene resins. <i>Journal of Chromatography A</i> , 2013, 1312, 87-92.	3.7	36
46	14-3-3 proteins sequester a pool of soluble TRIM32 ubiquitin ligase to repress autoubiquitination and cytoplasmic body formation. <i>Journal of Cell Science</i> , 2013, 126, 2014-26.	2.0	33
47	Isomerase Pin1 Stimulates Dephosphorylation of Tau Protein at Cyclin-dependent Kinase (Cdk5)-dependent Alzheimer Phosphorylation Sites. <i>Journal of Biological Chemistry</i> , 2013, 288, 7968-7977.	3.4	52
48	The proteasome factor Bag101 binds to Rad22 and suppresses homologous recombination. <i>Scientific Reports</i> , 2013, 3, 2022.	3.3	6
49	Identification of Proteins Enriched in Rice Egg or Sperm Cells by Single-Cell Proteomics. <i>PLoS ONE</i> , 2013, 8, e69578.	2.5	39
50	Large-scale Identification of N-Glycosylated Proteins of Mouse Tissues and Construction of a Glycoprotein Database, GlycoProtDB. <i>Journal of Proteome Research</i> , 2012, 11, 4553-4566.	3.7	77
51	Functional Evolution of Duplicated Odorant-Binding Protein Genes, Obp57d and Obp57e, in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e29710.	2.5	34
52	In-Gel Digestion for Mass Spectrometric Characterization of RNA from Fluorescently Stained Polyacrylamide Gels. <i>Analytical Chemistry</i> , 2010, 82, 7795-7803.	6.5	22
53	Identification of functional marker proteins in the mammalian growth cone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17211-17216.	7.1	82
54	Ariadne: a database search engine for identification and chemical analysis of RNA using tandem mass spectrometry data. <i>Nucleic Acids Research</i> , 2009, 37, e47-e47.	14.5	79

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55	An analytical platform for mass spectrometry-based identification and chemical analysis of RNA in ribonucleoprotein complexes. <i>Nucleic Acids Research</i> , 2009, 37, e140-e140.	14.5	50
56	14-3-3 Proteins directly regulate Ca ²⁺ /calmodulin-dependent protein kinase kinase $\hat{\pm}$ through phosphorylation-dependent multisite binding. <i>FEBS Letters</i> , 2008, 582, 661-665.	2.8	21
57	Proteomics Reveals N-Linked Glycoprotein Diversity in <i>Caenorhabditis elegans</i> and Suggests an Atypical Translocation Mechanism for Integral Membrane Proteins. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 2100-2109.	3.8	97
58	Phosphorylation of Adult Type Sept5 (CDCrel-1) by Cyclin-dependent Kinase 5 Inhibits Interaction with Syntaxin-1. <i>Journal of Biological Chemistry</i> , 2007, 282, 7869-7876.	3.4	38
59	Proteomic Analysis of in Vivo 14-3-3 Interactions in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2007, 46, 7781-7792.	2.5	75
60	Regulation of the interaction of Disabled-1 with CIN85 by phosphorylation with Cyclin-dependent kinase 5. <i>Genes To Cells</i> , 2007, 12, 1315-1327.	1.2	17
61	14-3-3 Mediates Phosphorylation-Dependent Inhibition of the Interaction between the Ubiquitin E3 Ligase Nedd4-2 and Epithelial Na ⁺ Channels. <i>Biochemistry</i> , 2006, 45, 6733-6740.	2.5	58
62	Presence of a novel inhibitor of capping protein in neutrophil extract. <i>Cytoskeleton</i> , 2005, 62, 232-243.	4.4	5
63	Large-scale identification of proteins expressed in mouse embryonic stem cells. <i>Proteomics</i> , 2005, 5, 1346-1361.	2.2	89
64	14-3-3 Proteins Modulate the Expression of Epithelial Na ⁺ Channels by Phosphorylation-dependent Interaction with Nedd4-2 Ubiquitin Ligase. <i>Journal of Biological Chemistry</i> , 2005, 280, 13187-13194.	3.4	170
65	Cell Surface Labeling and Mass Spectrometry Reveal Diversity of Cell Surface Markers and Signaling Molecules Expressed in Undifferentiated Mouse Embryonic Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1968-1976.	3.8	110
66	Adenovirus E4orf6 targets pp32/LANP to control the fate of ARE-containing mRNAs by perturbing the CRM1-dependent mechanism. <i>Journal of Cell Biology</i> , 2005, 170, 15-20.	5.2	47
67	STEM: A Software Tool for Large-Scale Proteomic Data Analyses. <i>Journal of Proteome Research</i> , 2005, 4, 1826-1831.	3.7	59
68	Intracellular cAMP controls a physical association of V-1 with CapZ in cultured mammalian endocrine cells. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 181-186.	2.1	11
69	Only a Small Subset of the Horizontally Transferred Chromosomal Genes in <i>Escherichia coli</i> Are Translated into Proteins. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 780-787.	3.8	75
70	Efficient production of isotopically labeled proteins by cell-free synthesis: A practical protocol. <i>Journal of Biomolecular NMR</i> , 2004, 30, 311-325.	2.8	124
71	Transcriptomic and Proteomic Analysis of a 14-3-3 Gene-Deficient Yeast. <i>Biochemistry</i> , 2004, 43, 6149-6158.	2.5	40
72	Molecular constituents of the postsynaptic density fraction revealed by proteomic analysis using multidimensional liquid chromatography-tandem mass spectrometry. <i>Journal of Neurochemistry</i> , 2003, 88, 759-768.	3.9	187

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73	Lectin affinity capture, isotope-coded tagging and mass spectrometry to identify N-linked glycoproteins. <i>Nature Biotechnology</i> , 2003, 21, 667-672.	17.5	637
74	Large-Scale Identification of <i>Caenorhabditis elegans</i> Proteins by Multidimensional Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2003, 2, 23-35.	3.7	118
75	V-1, a Protein Expressed Transiently during Murine Cerebellar Development, Regulates Actin Polymerization via Interaction with Capping Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 5864-5870.	3.4	80
76	In Vivo and in Vitro Phosphorylation at Ser-493 in the Glutamate (E)-segment of Neurofilament-H Subunit by Glycogen Synthase Kinase 3 β . <i>Journal of Biological Chemistry</i> , 2002, 277, 36032-36039.	3.4	32
77	Role of fruA and csgA Genes in Gene Expression during Development of <i>Myxococcus xanthus</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 26753-26760.	3.4	33
78	Phosphorylation-Dependent Interaction of Kinesin Light Chain 2 and the 14-3-3 Protein. <i>Biochemistry</i> , 2002, 41, 5566-5572.	2.5	54
79	Identification of Protein Substrates of Ca ²⁺ /Calmodulin-Dependent Protein Kinase II in the Postsynaptic Density by Protein Sequencing and Mass Spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 948-954.	2.1	89
80	Profiling of <i>Caenorhabditis elegans</i> proteins using two-dimensional gel electrophoresis and matrix assisted laser desorption/ionization-time of flight-mass spectrometry. <i>Electrophoresis</i> , 2000, 21, 1755-1765.	2.4	55
81	Protein profiling of rat cerebella during development. <i>Electrophoresis</i> , 2000, 21, 1872-1879.	2.4	39
82	Matrix assisted laser desorption/ionization-time of flight-mass spectrometry analysis of proteins detected by anti-phosphotyrosine antibody on two-dimensional-gels of fibroblast cell lysates after tumor necrosis factor- α stimulation. <i>Electrophoresis</i> , 2000, 21, 1890-1898.	2.4	62
83	Matrix assisted laser desorption/ionization-time of flight-mass spectrometry analysis of proteins detected by anti-phosphotyrosine antibody on two-dimensional-gels of fibroblast cell lysates after tumor necrosis factor- α stimulation. <i>Electrophoresis</i> , 2000, 21, 1890-1898.	2.4	5
84	Stimulus-Coupled Interaction of Tyrosine Hydroxylase with 14-3-3 Proteins. <i>Biochemistry</i> , 1999, 38, 15673-15680.	2.5	93
85	14-3-3 Protein Binds to Insulin Receptor Substrate-1, One of the Binding Sites of Which Is in the Phosphotyrosine Binding Domain. <i>Journal of Biological Chemistry</i> , 1997, 272, 25267-25274.	3.4	141
86	A rat cerebellar protein containing the cdc10/SWI6 motif. <i>FEBS Journal</i> , 1992, 207, 615-620.	0.2	33
87	Automated two-dimensional liquid chromatographic system for mapping proteins in highly complex mixtures. <i>Journal of Chromatography A</i> , 1991, 588, 115-123.	3.7	28
88	Automated high-resolution two-dimensional liquid chromatographic system for the rapid and sensitive separation of complex peptide mixtures. <i>Journal of Chromatography A</i> , 1990, 515, 313-320.	3.7	22