

Naoyuki Kataoka

List of Publications by Year in descending order

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65
papers

5,468
citations

172457

29
h-index

133252

59
g-index

65
all docs

65
docs citations

65
times ranked

6314
citing authors

#	ARTICLE	IF	CITATIONS
1	Messenger-RNA-binding proteins and the messages they carry. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 195-205.	37.0	1,245
2	Binding of a novel SMG-1-Upf1-eRF1-eRF3 complex (SURF) to the exon junction complex triggers Upf1 phosphorylation and nonsense-mediated mRNA decay. <i>Genes and Development</i> , 2006, 20, 355-367.	5.9	514
3	A Novel Function for SMN, the Spinal Muscular Atrophy Disease Gene Product, in Pre-mRNA Splicing. <i>Cell</i> , 1998, 95, 615-624.	28.9	507
4	Pre-mRNA Splicing Imprints mRNA in the Nucleus with a Novel RNA-Binding Protein that Persists in the Cytoplasm. <i>Molecular Cell</i> , 2000, 6, 673-682.	9.7	304
5	Role of the Nonsense-Mediated Decay Factor hUpf3 in the Splicing-Dependent Exon-Exon Junction Complex. <i>Science</i> , 2001, 293, 1832-1836.	12.6	265
6	Transportin-mediated Nuclear Import of Heterogeneous Nuclear RNP Proteins. <i>Journal of Cell Biology</i> , 1997, 138, 1181-1192.	5.2	232
7	Transportin-SR, a Nuclear Import Receptor for SR Proteins. <i>Journal of Cell Biology</i> , 1999, 145, 1145-1152.	5.2	206
8	SMN interacts with a novel family of hnRNP and spliceosomal proteins. <i>EMBO Journal</i> , 2001, 20, 5443-5452.	7.8	194
9	Magoh, a human homolog of <i>Drosophila mago nashi</i> protein, is a component of the splicing-dependent exon-exon junction complex. <i>EMBO Journal</i> , 2001, 20, 6424-6433.	7.8	191
10	The Y14 protein communicates to the cytoplasm the position of exon-exon junctions. <i>EMBO Journal</i> , 2001, 20, 2062-2068.	7.8	175
11	Stress-responsive maturation of Clk1/4 pre-mRNAs promotes phosphorylation of SR splicing factor. <i>Journal of Cell Biology</i> , 2011, 195, 27-40.	5.2	135
12	Shigella effector IpaH9.8 binds to a splicing factor U2AF35 to modulate host immune responses. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 531-539.	2.1	106
13	Isolation and characterization of post-splicing lariat-intron complexes. <i>Nucleic Acids Research</i> , 2009, 37, 891-902.	14.5	95
14	Rectifier of aberrant mRNA splicing recovers tRNA modification in familial dysautonomia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2764-2769.	7.1	93
15	Chemical treatment enhances skipping of a mutated exon in the dystrophin gene. <i>Nature Communications</i> , 2011, 2, 308.	12.8	81
16	A nuclear cap binding protein from HeLa cells. <i>Nucleic Acids Research</i> , 1990, 18, 6989-6995.	14.5	78
17	Structures of SMG1-UPFs Complexes: SMG1 Contributes to Regulate UPF2-Dependent Activation of UPF1 in NMD. <i>Structure</i> , 2014, 22, 1105-1119.	3.3	74
18	RNA length defines RNA export pathway. <i>Genes and Development</i> , 2004, 18, 2074-2085.	5.9	68

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19	Functional Association of the Microprocessor Complex with the Spliceosome. <i>Molecular and Cellular Biology</i> , 2009, 29, 3243-3254.	2.3	67
20	Regulation of Gene Expression under Hypoxic Conditions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3278.	4.1	65
21	A Simple Whole Cell Lysate System for in Vitro Splicing Reveals a Stepwise Assembly of the Exon-Exon Junction Complex. <i>Journal of Biological Chemistry</i> , 2004, 279, 7009-7013.	3.4	56
22	Human nonsense-mediated mRNA decay factor UPF2 interacts directly with eRF3 and the SURF complex. <i>Nucleic Acids Research</i> , 2016, 44, 1909-1923.	14.5	50
23	Identification of the factors that interact with NCBP, an 80 kDa nuclear cap binding protein. <i>Nucleic Acids Research</i> , 1995, 23, 3638-3641.	14.5	49
24	Cloning of a complementary DNA encoding an 80 kilodalton nuclear cap binding protein. <i>Nucleic Acids Research</i> , 1994, 22, 3861-3865.	14.5	45
25	Herpesvirus protein ICP27 switches PML isoform by altering mRNA splicing. <i>Nucleic Acids Research</i> , 2009, 37, 6515-6527.	14.5	44
26	Combination of Clk family kinase and SRp75 modulates alternative splicing of Adenovirus E1A. <i>Genes To Cells</i> , 2008, 13, 233-244.	1.2	43
27	Tissue-specific splicing regulator Fox-1 induces exon skipping by interfering E complex formation on the downstream intron of human F1A gene. <i>Nucleic Acids Research</i> , 2007, 35, 5303-5311.	14.5	40
28	Ce-Y14 and MAG-1, components of the exon-exon junction complex, are required for embryogenesis and germline sexual switching in <i>Caenorhabditis elegans</i> . <i>Mechanisms of Development</i> , 2004, 121, 27-35.	1.7	36
29	Cytosolic domain of SIDT2 carries an arginine-rich motif that binds to RNA/DNA and is important for the direct transport of nucleic acids into lysosomes. <i>Autophagy</i> , 2020, 16, 1974-1988.	9.1	35
30	Importance of Serum Amino Acid Profile for Induction of Hepatic Steatosis under Protein Malnutrition. <i>Scientific Reports</i> , 2018, 8, 5461.	3.3	31
31	The Exon Junction Complex Controls the Efficient and Faithful Splicing of a Subset of Transcripts Involved in Mitotic Cell-Cycle Progression. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1153.	4.1	27
32	Design and synthesis of a potent inhibitor of class 1 DYRK kinases as a suppressor of adipogenesis. <i>Biorganic and Medicinal Chemistry</i> , 2015, 23, 4434-4441.	3.0	26
33	Preparation of Efficient Splicing Extracts From Whole Cells, Nuclei, and Cytoplasmic Fractions. <i>Methods in Molecular Biology</i> , 2008, 488, 357-365.	0.9	25
34	Modulation of aberrant splicing in human RNA diseases by chemical compounds. <i>Human Genetics</i> , 2017, 136, 1237-1245.	3.8	22
35	Myelodysplastic Syndrome-Associated SRSF2 Mutations Cause Splicing Changes by Altering Binding Motif Sequences. <i>Frontiers in Genetics</i> , 2019, 10, 338.	2.3	22
36	SR proteins preferentially associate with mRNAs in the nucleus and facilitate their export to the cytoplasm. <i>Genes To Cells</i> , 2004, 9, 959-965.	1.2	19

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37	Specific Y14 domains mediate its nucleo-cytoplasmic shuttling and association with spliced mRNA. <i>Scientific Reports</i> , 2011, 1, 92.	3.3	19
38	hDbr1 is a nucleocytoplasmic shuttling protein with a protein phosphatase-like motif essential for debranching activity. <i>Scientific Reports</i> , 2013, 3, 1090.	3.3	19
39	Identification of a novel component C2ORF3 in the lariatâ€“intron complex: lack of C2ORF3 interferes with preâ€“mRNA splicing via intron turnover pathway. <i>Genes To Cells</i> , 2014, 19, 78-87.	1.2	18
40	Transcriptional coactivator PGC-1Î± contains a novel CBP80-binding motif that orchestrates efficient target gene expression. <i>Genes and Development</i> , 2018, 32, 555-567.	5.9	18
41	RBM24 promotes U1 snRNP recognition of the mutated 5â€“ splice site in the IKBKAP gene of familial dysautonomia. <i>Rna</i> , 2017, 23, 1393-1403.	3.5	14
42	Transport Granules Bound with Nuclear Cap Binding Protein and Exon Junction Complex Are Associated with Microtubules and Spatially Separated from eIF4E Granules and P Bodies in Human Neuronal Processes. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 93.	3.5	14
43	Identification of the Specific Interactors of the Human Lariat RNA Debranching Enzyme 1 Protein. <i>International Journal of Molecular Sciences</i> , 2015, 16, 3705-3721.	4.1	12
44	Dendritic transport element of human arc mRNA confers mRNA degradation activity in a translationâ€“dependent manner. <i>Genes To Cells</i> , 2016, 21, 1263-1269.	1.2	12
45	Insulin receptor substrateâ€“1 (IRSâ€“1) forms a ribonucleoprotein complex associated with polysomes. <i>FEBS Letters</i> , 2013, 587, 2319-2324.	2.8	11
46	Insulin Receptor Substrate-1 Associates with Small Nucleolar RNA Which Contributes to Ribosome Biogenesis. <i>Frontiers in Endocrinology</i> , 2014, 5, 24.	3.5	11
47	IRS-2 deubiquitination by USP9X maintains anchorage-independent cell growth via Erk1/2 activation in prostate carcinoma cell line. <i>Oncotarget</i> , 2018, 9, 33871-33883.	1.8	11
48	The cysteine residue at 424th of pyruvate kinase M2 is crucial for tetramerization and responsiveness to oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 973-977.	2.1	10
49	Dietary lysine restriction induces lipid accumulation in skeletal muscle through an increase in serum threonine levels in rats. <i>Journal of Biological Chemistry</i> , 2021, 297, 101179.	3.4	8
50	Mechanistic Insights of Aberrant Splicing with Splicing Factor Mutations Found in Myelodysplastic Syndromes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7789.	4.1	6
51	A novel amino acid signaling process governs glucose-6-phosphatase transcription. <i>IScience</i> , 2021, 24, 102778.	4.1	4
52	Rbfox2 mediates exon 11 inclusion in insulin receptor pre-mRNA splicing in hepatoma cells. <i>Biochimie</i> , 2021, 187, 25-32.	2.6	4
53	Rbm38 Reduces the Transcription Elongation Defect of the SMEK2 Gene Caused by Splicing Deficiency. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8799.	4.1	3
54	Heat Treatment of Nuclear Extract Alters Selection of the 3â€“ Splice Site in Pre-mRNA Splicing. <i>Biochemical and Biophysical Research Communications</i> , 1993, 190, 223-228.	2.1	2

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55	Multiple nuclear localization sequences in SRSF4 protein. <i>Genes To Cells</i> , 2020, 25, 327-333.	1.2	2
56	Editorial: RNA Diseases in Humansâ€”From Fundamental Research to Therapeutic Applications. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 53.	3.5	1
57	Promoter-Level Transcriptome Identifies Stemness Associated With Relatively High Proliferation in Pancreatic Cancer Cells. <i>Frontiers in Oncology</i> , 2020, 10, 316.	2.8	1
58	Purification of RNAâ€”Protein Splicing Complexes Using a Tagged Protein from In Vitro Splicing Reaction Mixture. <i>Methods in Molecular Biology</i> , 2016, 1421, 45-52.	0.9	1
59	Messenger-RNA-binding proteins and the messages they carry. , 0, .		1
60	Editorial: Non-Coding RNAs in Breast Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 789798.	2.8	1
61	Ran-regulated interactions of nuclear import and export receptors with nucleoporins. <i>Biochemistry and Cell Biology</i> , 1999, 77, 403.	2.0	0
62	Modulation of Abnormal Splicing of RNA Diseases by Small Chemical Compounds. , 2018, , 115-130.		0
63	Human RNA lariat Debranching Enzyme Protein 1 â€”A surveillant for branch RNAs for degradation. <i>RNA & Disease (Houston, Tex)</i> , 0, , .	1.0	0
64	Editorial: Interplay Between RNA Processing Machinery and Epigenetic Regulation in Gene Expression. <i>Frontiers in Genetics</i> , 2021, 12, 799874.	2.3	0
65	Mutations equivalent to <i>Drosophila mago nashi</i> mutants imply reduction of Magoh protein incorporation into exon junction complex. <i>Genes To Cells</i> , 2022, , .	1.2	0