

Zissimos Mourelatos

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

8,448
citations

81900

39
h-index

114465

63
g-index

72
all docs

72
docs citations

72
times ranked

10004
citing authors

#	ARTICLE	IF	CITATIONS
1	miRNPs: a novel class of ribonucleoproteins containing numerous microRNAs. <i>Genes and Development</i> , 2002, 16, 720-728.	5.9	926
2	A combined computational-experimental approach predicts human microRNA targets. <i>Genes and Development</i> , 2004, 18, 1165-1178.	5.9	680
3	Microarray-based, high-throughput gene expression profiling of microRNAs. <i>Nature Methods</i> , 2004, 1, 155-161.	19.0	604
4	An mRNA m7G Cap Binding-like Motif within Human Ago2 Represses Translation. <i>Cell</i> , 2007, 129, 1141-1151.	28.9	386
5	A yeast functional screen predicts new candidate ALS disease genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20881-20890.	7.1	365
6	A human, ATP-independent, RISC assembly machine fueled by pre-miRNA. <i>Genes and Development</i> , 2005, 19, 2979-2990.	5.9	353
7	Numerous microRNPs in neuronal cells containing novel microRNAs. <i>Rna</i> , 2003, 9, 180-186.	3.5	321
8	The microRNA world: small is mighty. <i>Trends in Biochemical Sciences</i> , 2003, 28, 534-540.	7.5	282
9	RAKE and LNA-ISH reveal microRNA expression and localization in archival human brain. <i>Rna</i> , 2005, 12, 187-191.	3.5	270
10	Evaluating the role of the FUS/TLS-related gene EWSR1 in amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2012, 21, 2899-2911.	2.9	246
11	Mouse Piwi-interacting RNAs are 2'-O-methylated at their 3' termini. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 347-348.	8.2	239
12	Mili and Miwi target RNA repertoire reveals piRNA biogenesis and function of Miwi in spermiogenesis. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 773-781.	8.2	221
13	Arginine methylation of Piwi proteins catalysed by dPRMT5 is required for Ago3 and Aub stability. <i>Nature Cell Biology</i> , 2009, 11, 652-658.	10.3	219
14	The Golgi apparatus of spinal cord motor neurons in transgenic mice expressing mutant Cu,Zn superoxide dismutase becomes fragmented in early, preclinical stages of the disease.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 5472-5477.	7.1	210
15	SMN interacts with a novel family of hnRNP and spliceosomal proteins. <i>EMBO Journal</i> , 2001, 20, 5443-5452.	7.8	194
16	MicroRNAs: Biogenesis and Molecular Functions. <i>Brain Pathology</i> , 2008, 18, 113-121.	4.1	192
17	High-Affinity GD2-Specific CAR T Cells Induce Fatal Encephalitis in a Preclinical Neuroblastoma Model. <i>Cancer Immunology Research</i> , 2018, 6, 36-46.	3.4	192
18	miRNP:mRNA association in polyribosomes in a human neuronal cell line. <i>Rna</i> , 2004, 10, 387-394.	3.5	185

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19	The mouse homolog of HEN1 is a potential methylase for Piwi-interacting RNAs. <i>Rna</i> , 2007, 13, 1397-1401.	3.5	153
20	Emerging roles of microRNAs as molecular switches in the integrated circuit of the cancer cell. <i>Rna</i> , 2009, 15, 1443-1461.	3.5	147
21	The RNA helicase MOV10L1 binds piRNA precursors to initiate piRNA processing. <i>Genes and Development</i> , 2015, 29, 617-629.	5.9	143
22	Gemin5, a Novel WD Repeat Protein Component of the SMN Complex That Binds Sm Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 5631-5636.	3.4	139
23	Rapid in situ codetection of noncoding RNAs and proteins in cells and formalin-fixed paraffin-embedded tissue sections without protease treatment. <i>Nature Protocols</i> , 2010, 5, 1061-1073.	12.0	134
24	Arginine methylation of Aubergine mediates Tudor binding and germ plasm localization. <i>Rna</i> , 2010, 16, 70-78.	3.5	113
25	Sequence-dependent but not sequence-specific piRNA adhesion traps mRNAs to the germ plasm. <i>Nature</i> , 2016, 531, 390-394.	27.8	113
26	FUS regulates genes coding for RNA-binding proteins in neurons by binding to their highly conserved introns. <i>Rna</i> , 2013, 19, 498-509.	3.5	112
27	A novel monoclonal antibody against human Argonaute proteins reveals unexpected characteristics of miRNAs in human blood cells. <i>Rna</i> , 2007, 13, 1787-1792.	3.5	107
28	Human mitochondrial tRNAMet is exported to the cytoplasm and associates with the Argonaute 2 protein. <i>Rna</i> , 2005, 11, 849-852.	3.5	103
29	Arginine Methylation of Vasa Protein Is Conserved across Phyla. <i>Journal of Biological Chemistry</i> , 2010, 285, 8148-8154.	3.4	83
30	Mitochondrial protein BmpAPI modulates the length of mature piRNAs. <i>Rna</i> , 2013, 19, 1405-1418.	3.5	75
31	A MicroRNA Precursor Surveillance System in Quality Control of MicroRNA Synthesis. <i>Molecular Cell</i> , 2014, 55, 868-879.	9.7	74
32	The fragmented neuronal Golgi apparatus in amyotrophic lateral sclerosis includes the trans-Golgi-network: functional implications. <i>Acta Neuropathologica</i> , 1998, 95, 245-253.	7.7	71
33	Ribothrypsis, a novel process of canonical mRNA decay, mediates ribosome-phased mRNA endonucleolysis. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 302-310.	8.2	63
34	Biochemical and genetic evidence for a role of IGHMBP2 in the translational machinery. <i>Human Molecular Genetics</i> , 2009, 18, 2115-2126.	2.9	61
35	Retention of CD19 intron 2 contributes to CART-19 resistance in leukemias with subclonal frameshift mutations in CD19. <i>Leukemia</i> , 2020, 34, 1202-1207.	7.2	61
36	Precursor MicroRNA-Programmed Silencing Complex Assembly Pathways in Mammals. <i>Molecular Cell</i> , 2012, 46, 507-517.	9.7	56

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37	CLIPSeqToolsâ€”a novel bioinformatics CLIP-seq analysis suite. <i>Rna</i> , 2016, 22, 1-9.	3.5	49
38	The seeds of silence. <i>Nature</i> , 2008, 455, 44-45.	27.8	43
39	Identification of InÂVivo, Conserved, TAF15 RNA Binding Sites Reveals the Impact of TAF15 on the Neuronal Transcriptome. <i>Cell Reports</i> , 2013, 3, 301-308.	6.4	43
40	The Heidenhain Variant of Creutzfeldt???Jakob Disease: Clinical, Pathologic, and Neuroimaging Findings. <i>Journal of Neuro-Ophthalmology</i> , 2001, 21, 99-102.	0.8	38
41	Cloning and Sequence Analysis of the Human MG160, a Fibroblast Growth Factor and E-Selectin Binding Membrane Sialoglycoprotein of the Golgi Apparatus. <i>DNA and Cell Biology</i> , 1996, 15, 1121-1128.	1.9	34
42	2'-O-methyl modification in mouse piRNAs and its methylase. <i>Nucleic Acids Symposium Series</i> , 2007, 51, 417-418.	0.3	34
43	Asymmetric bilateral demyelinating optic neuropathy from tacrolimus toxicity. <i>Journal of the Neurological Sciences</i> , 2011, 301, 112-115.	0.6	33
44	Regulation of gene expression by miR-144/451 during mouse erythropoiesis. <i>Blood</i> , 2019, 133, 2518-2528.	1.4	33
45	Assignment of the GLG1 Gene for MG-160, a Fibroblast Growth Factor and E-Selectin Binding Membrane Sialoglycoprotein of the Golgi Apparatus, to Chromosome 16q22-q23 by Fluorescence in Situ Hybridization. <i>Genomics</i> , 1995, 28, 354-355.	2.9	23
46	HITS-CLIP (CLIP-Seq) for Mouse Piwi Proteins. <i>Methods in Molecular Biology</i> , 2014, 1093, 73-95.	0.9	23
47	High-throughput experimental studies to identify miRNA targets directly, with special focus on the mammalian brain. <i>Brain Research</i> , 2010, 1338, 122-130.	2.2	20
48	Acute Sensorimotor Polyneuropathy With Tonic Pupils and an Abduction Deficit. <i>Survey of Ophthalmology</i> , 1999, 43, 341-344.	4.0	19
49	RNA Dysregulation in Diseases of Motor Neurons. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2012, 7, 323-352.	22.4	18
50	TERA-Seq: true end-to-end sequencing of native RNA molecules for transcriptome characterization. <i>Nucleic Acids Research</i> , 2021, 49, e115-e115.	14.5	18
51	Detection of MicroRNAs and Assays to Monitor MicroRNA Activities In Vivo and In Vitro. , 2005, 309, 295-310.		17
52	Kc167, a widely used <i>Drosophila</i> cell line, contains an active primary piRNA pathway. <i>Rna</i> , 2017, 23, 108-118.	3.5	17
53	Immunoprecipitation of MicroRNPs and Directional Cloning of MicroRNAs. , 2005, 309, 283-294.		15
54	Introduction and Historical Background. <i>Brain Pathology</i> , 2008, 18, 110-112.	4.1	12

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55	Site-specific crosslinking of human microRNPs to RNA targets. <i>Rna</i> , 2008, 14, 2254-2259.	3.5	12
56	MiRNA-9 and MiRNA-200a Distinguish Hemangioblastomas from Metastatic Clear Cell Renal Cell Carcinomas in the CNS. <i>Brain Pathology</i> , 2012, 22, 522-529.	4.1	9
57	Elective affinities: a Tudor-Aubergine tale of germline partnership. <i>Genes and Development</i> , 2010, 24, 1963-1966.	5.9	8
58	Modulation of Aub-TDRD interactions elucidates piRNA amplification and germline formation. <i>Life Science Alliance</i> , 2021, 4, e202000912.	2.8	8
59	Immunoprecipitation of piRNPs and Directional, Next Generation Sequencing of piRNAs. <i>Methods in Molecular Biology</i> , 2011, 725, 281-293.	0.9	7
60	On the Significance and Reproducibility of the Fragmentation of the Golgi Apparatus of Motor Neurons in Human Spinal Cords. <i>Journal of Neuropathology and Experimental Neurology</i> , 1995, 54, 331-338.	1.7	5
61	Set Phasers to Cleave: PIWI Cleavage Directs All piRNA Biogenesis. <i>Molecular Cell</i> , 2018, 71, 651-652.	9.7	4
62	Capturing 5' and 3' native ends of mRNAs concurrently with Akron sequencing. <i>Nature Protocols</i> , 2019, 14, 1578-1602.	12.0	3
63	Small regulatory RNAs: biogenesis & functions. <i>Nucleic Acids Symposium Series</i> , 2007, 51, 105-105.	0.3	2
64	cCLIP-Seq: Retrieval of Chimeric Reads from HITS-CLIP (CLIP-Seq) Libraries. <i>Methods in Molecular Biology</i> , 2018, 1680, 87-100.	0.9	2
65	Multifocal neutrophilic meningoencephalitis: a novel disorder responsive to anakinra. <i>Journal of Neurology</i> , 2021, 268, 2995-2999.	3.6	1
66	Argonaute HITS-CLIP Reveals Global miRNA-mRNA Networks in Erythropoiesis. <i>Blood</i> , 2014, 124, 446-446.	1.4	1
67	John Q. Trojanowski, MD, PhD (1946-2022). <i>Neuron</i> , 2022, 110, 1095-1096.	8.1	1
68	2011 Award Recipients - William W. Schlaepfer, MD and Leroy R. Sharer, MD. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 939-941.	1.7	0
69	MG-160, a Sialoglycoprotein of the Medial Cisternae of the Golgi Apparatus, Is Closely Related to a Receptor of Fibroblast Growth Factors and to a Ligand for E-Selectin. <i>Functional Implications.</i> , 1996, , 81-91.		0
70	Native Gel Analysis for Mammalian MicroRNPs Assembled from Pre-microRNAs. <i>Methods in Molecular Biology</i> , 2015, 1206, 39-51.	0.9	0