

Paul Anderson

List of Publications by Year in descending order

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111
papers

23,516
citations

13854

67
h-index

24232

110
g-index

117
all docs

117
docs citations

117
times ranked

16366
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress granules and processing bodies are dynamically linked sites of mRNP remodeling. <i>Journal of Cell Biology</i> , 2005, 169, 871-884.	2.3	1,237
2	RNA-Binding Proteins Tia-1 and Tiar Link the Phosphorylation of Eif-2 to the Assembly of Mammalian Stress Granules. <i>Journal of Cell Biology</i> , 1999, 147, 1431-1442.	2.3	1,057
3	RNA granules. <i>Journal of Cell Biology</i> , 2006, 172, 803-808.	2.3	982
4	Stress granules: the Tao of RNA triage. <i>Trends in Biochemical Sciences</i> , 2008, 33, 141-150.	3.7	948
5	Stress Granule Assembly Is Mediated by Prion-like Aggregation of TIA-1. <i>Molecular Biology of the Cell</i> , 2004, 15, 5383-5398.	0.9	859
6	Angiogenin-Induced tRNA Fragments Inhibit Translation Initiation. <i>Molecular Cell</i> , 2011, 43, 613-623.	4.5	776
7	RNA granules: post-transcriptional and epigenetic modulators of gene expression. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 430-436.	16.1	743
8	Angiogenin cleaves tRNA and promotes stress-induced translational repression. <i>Journal of Cell Biology</i> , 2009, 185, 35-42.	2.3	733
9	Dynamic Shuttling of Tia-1 Accompanies the Recruitment of mRNA to Mammalian Stress Granules. <i>Journal of Cell Biology</i> , 2000, 151, 1257-1268.	2.3	678
10	Mammalian Stress Granules and Processing Bodies. <i>Methods in Enzymology</i> , 2007, 431, 61-81.	0.4	573
11	Competing Protein-RNA Interaction Networks Control Multiphase Intracellular Organization. <i>Cell</i> , 2020, 181, 306-324.e28.	13.5	543
12	Evidence That Ternary Complex (eIF2-GTP-tRNA ^{Met})-Deficient Preinitiation Complexes Are Core Constituents of Mammalian Stress Granules. <i>Molecular Biology of the Cell</i> , 2002, 13, 195-210.	0.9	519
13	Stress granules and cell signaling: more than just a passing phase?. <i>Trends in Biochemical Sciences</i> , 2013, 38, 494-506.	3.7	514
14	G3BP-Caprin1-USP10 complexes mediate stress granule condensation and associate with 40S subunits. <i>Journal of Cell Biology</i> , 2016, 212, 845-60.	2.3	480
15	MK2-induced tristetraprolin:14-3-3 complexes prevent stress granule association and ARE-mRNA decay. <i>EMBO Journal</i> , 2004, 23, 1313-1324.	3.5	457
16	TIA-1 is a translational silencer that selectively regulates the expression of TNF- α . <i>EMBO Journal</i> , 2000, 19, 4154-4163.	3.5	451
17	Phase Separation of C9orf72 Dipeptide Repeats Perturbs Stress Granule Dynamics. <i>Molecular Cell</i> , 2017, 65, 1044-1055.e5.	4.5	437
18	Angiogenin-induced tRNA-derived Stress-induced RNAs Promote Stress-induced Stress Granule Assembly. <i>Journal of Biological Chemistry</i> , 2010, 285, 10959-10968.	1.6	401

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19	A polyadenylate binding protein localized to the granules of cytolytic lymphocytes induces DNA fragmentation in target cells. <i>Cell</i> , 1991, 67, 629-639.	13.5	375
20	Post-transcriptional control of cytokine production. <i>Nature Immunology</i> , 2008, 9, 353-359.	7.0	369
21	Heme-regulated Inhibitor Kinase-mediated Phosphorylation of Eukaryotic Translation Initiation Factor 2 Inhibits Translation, Induces Stress Granule Formation, and Mediates Survival upon Arsenite Exposure. <i>Journal of Biological Chemistry</i> , 2005, 280, 16925-16933.	1.6	362
22	A functional RNAi screen links O-GlcNAc modification of ribosomal proteins to stress granule and processing body assembly. <i>Nature Cell Biology</i> , 2008, 10, 1224-1231.	4.6	357
23	Stress granules, P-bodies and cancer. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 861-870.	0.9	333
24	Stress Granules and Processing Bodies in Translational Control. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032813.	2.3	325
25	Stressful initiations. <i>Journal of Cell Science</i> , 2002, 115, 3227-3234.	1.2	325
26	tRNA fragments in human health and disease. <i>FEBS Letters</i> , 2014, 588, 4297-4304.	1.3	321
27	Mechanistic insights into mammalian stress granule dynamics. <i>Journal of Cell Biology</i> , 2016, 215, 313-323.	2.3	296
28	Stressful initiations. <i>Journal of Cell Science</i> , 2002, 115, 3227-34.	1.2	279
29	G-quadruplex structures contribute to the neuroprotective effects of angiogenin-induced tRNA fragments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18201-18206.	3.3	264
30	The Apoptosis-Promoting Factor TIA-1 Is a Regulator of Alternative Pre-mRNA Splicing. <i>Molecular Cell</i> , 2000, 6, 1089-1098.	4.5	252
31	Stress granules. <i>Current Biology</i> , 2009, 19, R397-R398.	1.8	252
32	Post-transcriptional regulons coordinate the initiation and resolution of inflammation. <i>Nature Reviews Immunology</i> , 2010, 10, 24-35.	10.6	251
33	Proteins Phosphorylated during Stress-induced Apoptosis Are Common Targets for Autoantibody Production in Patients with Systemic Lupus Erythematosus. <i>Journal of Experimental Medicine</i> , 1997, 185, 843-854.	4.2	230
34	Eukaryotic Initiation Factor 2 ^{1±} -independent Pathway of Stress Granule Induction by the Natural Product Pateamine A. <i>Journal of Biological Chemistry</i> , 2006, 281, 32870-32878.	1.6	229
35	&cestchlong;Visibly stressed: the role of eIF2, TIA-1, and stress granules in protein translation. <i>Cell Stress and Chaperones</i> , 2002, 7, 213.	1.2	226
36	HuR as a Negative Posttranscriptional Modulator in Inflammation. <i>Molecular Cell</i> , 2005, 19, 777-789.	4.5	225

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37	Importance of eIF2 γ Phosphorylation and Stress Granule Assembly in Alphavirus Translation Regulation. <i>Molecular Biology of the Cell</i> , 2005, 16, 3753-3763.	0.9	219
38	Genome-wide Analysis Identifies Interleukin-10 mRNA as Target of Tristetraprolin. <i>Journal of Biological Chemistry</i> , 2008, 283, 11689-11699.	1.6	217
39	Tumor necrosis factor inhibitors: Clinical implications of their different immunogenicity profiles. <i>Seminars in Arthritis and Rheumatism</i> , 2005, 34, 19-22.	1.6	210
40	Reprogramming mRNA translation during stress. <i>Current Opinion in Cell Biology</i> , 2008, 20, 222-226.	2.6	208
41	ARE mRNA degradation requires the 5' to 3' decay pathway. <i>EMBO Reports</i> , 2006, 7, 72-77.	2.0	207
42	Individual RNA Recognition Motifs of TIA-1 and TIAR Have Different RNA Binding Specificities. <i>Journal of Biological Chemistry</i> , 1996, 271, 2783-2788.	1.6	203
43	Stress-specific differences in assembly and composition of stress granules and related foci. <i>Journal of Cell Science</i> , 2017, 130, 927-937.	1.2	203
44	Mammalian stress granules and P bodies at a glance. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	198
45	Posttranslational protein modifications, apoptosis, and the bypass of tolerance to autoantigens. <i>Arthritis and Rheumatism</i> , 1998, 41, 1152-1160.	6.7	191
46	Regulation of Cyclooxygenase-2 Expression by the Translational Silencer TIA-1. <i>Journal of Experimental Medicine</i> , 2003, 198, 475-481.	4.2	190
47	YB-1 regulates tiRNA-induced Stress Granule formation but not translational repression. <i>Nucleic Acids Research</i> , 2016, 44, 6949-6960.	6.5	189
48	Arthritis suppressor genes TIA-1 and TTP dampen the expression of tumor necrosis factor γ , cyclooxygenase 2, and inflammatory arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2011-2016.	3.3	181
49	Genome-wide Identification and Quantitative Analysis of Cleaved tRNA Fragments Induced by Cellular Stress. <i>Journal of Biological Chemistry</i> , 2012, 287, 42708-42725.	1.6	181
50	Molecular mechanisms of stress granule assembly and disassembly. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118876.	1.9	177
51	Tristetraprolin (TTP)-14-3-3 Complex Formation Protects TTP from Dephosphorylation by Protein Phosphatase 2a and Stabilizes Tumor Necrosis Factor- γ mRNA. <i>Journal of Biological Chemistry</i> , 2007, 282, 3766-3777.	1.6	172
52	Spatiotemporal Proteomic Analysis of Stress Granule Disassembly Using APEX Reveals Regulation by SUMOylation and Links to ALS Pathogenesis. <i>Molecular Cell</i> , 2020, 80, 876-891.e6.	4.5	154
53	Death, autoantigen modifications, and tolerance. <i>Arthritis Research</i> , 2000, 2, 101.	2.0	140
54	Chapter 4 Regulation of Translation by Stress Granules and Processing Bodies. <i>Progress in Molecular Biology and Translational Science</i> , 2009, 90, 155-185.	0.9	120

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55	Influenza A Virus Host Shutoff Disables Antiviral Stress-Induced Translation Arrest. <i>PLoS Pathogens</i> , 2014, 10, e1004217.	2.1	117
56	Hydrogen peroxide induces stress granule formation independent of eIF2 α phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 763-769.	1.0	113
57	Chapter 26 Real-Time and Quantitative Imaging of Mammalian Stress Granules and Processing Bodies. <i>Methods in Enzymology</i> , 2008, 448, 521-552.	0.4	103
58	Post-transcriptional regulation of proinflammatory proteins. <i>Journal of Leukocyte Biology</i> , 2004, 76, 42-47.	1.5	101
59	Selenite targets eIF4E-binding protein-1 to inhibit translation initiation and induce the assembly of non-canonical stress granules. <i>Nucleic Acids Research</i> , 2012, 40, 8099-8110.	6.5	98
60	eIF5A Promotes Translation Elongation, Polysome Disassembly and Stress Granule Assembly. <i>PLoS ONE</i> , 2010, 5, e9942.	1.1	97
61	Post-transcriptional regulatory networks in immunity. <i>Immunological Reviews</i> , 2013, 253, 253-272.	2.8	95
62	Sendai virus trailer RNA binds TIAR, a cellular protein involved in virus-induced apoptosis. <i>EMBO Journal</i> , 2002, 21, 5141-5150.	3.5	93
63	Biochemical identification of a direct physical interaction between the CD4: p56lck and Ti(TcR)/CD3 complexes. <i>European Journal of Immunology</i> , 1991, 21, 1663-1668.	1.6	86
64	A novel role for interleukin-18 in human natural killer cell death: High serum levels and low natural killer cell numbers in patients with systemic autoimmune diseases. <i>Arthritis and Rheumatism</i> , 2001, 44, 884-892.	6.7	84
65	Posttranscriptional Mechanisms Regulating the Inflammatory Response. <i>Advances in Immunology</i> , 2006, 89, 1-37.	1.1	84
66	A Mitochondria-Specific Isoform of FASTK Is Present In Mitochondrial RNA Granules and Regulates Gene Expression and Function. <i>Cell Reports</i> , 2015, 10, 1110-1121.	2.9	77
67	Elucidation of a C-Rich Signature Motif in Target mRNAs of RNA-Binding Protein TIAR. <i>Molecular and Cellular Biology</i> , 2007, 27, 6806-6817.	1.1	70
68	Association of a 70-kDa tyrosine phosphoprotein with the CD16:Fc γ 3 complex expressed in human natural killer cells. <i>European Journal of Immunology</i> , 1993, 23, 1872-1876.	1.6	69
69	T-cell Intracellular Antigen-1 (TIA-1)-induced Translational Silencing Promotes the Decay of Selected mRNAs. <i>Journal of Biological Chemistry</i> , 2007, 282, 30070-30077.	1.6	64
70	The FASTK family of proteins: emerging regulators of mitochondrial RNA biology. <i>Nucleic Acids Research</i> , 2017, 45, 10941-10947.	6.5	62
71	NEDDylation promotes stress granule assembly. <i>Nature Communications</i> , 2016, 7, 12125.	5.8	61
72	Fast kinase domain-containing protein 3 is a mitochondrial protein essential for cellular respiration. <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 440-446.	1.0	60

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73	Geldanamycin inhibits the production of inflammatory cytokines in activated macrophages by reducing the stability and translation of cytokine transcripts. <i>Arthritis and Rheumatism</i> , 2003, 48, 541-550.	6.7	57
74	The role of posttranslational modifications in the assembly of stress granules. <i>Wiley Interdisciplinary Reviews RNA</i> , 2010, 1, 486-493.	3.2	55
75	eIF4G has intrinsic G-quadruplex binding activity that is required for tRNA function. <i>Nucleic Acids Research</i> , 2020, 48, 6223-6233.	6.5	55
76	FAST Is a Survival Protein That Senses Mitochondrial Stress and Modulates TIA-1-Regulated Changes in Protein Expression. <i>Molecular and Cellular Biology</i> , 2004, 24, 10718-10732.	1.1	52
77	Vinca alkaloid drugs promote stress-induced translational repression and stress granule formation. <i>Oncotarget</i> , 2016, 7, 30307-30322.	0.8	52
78	TOP mRNPs: Molecular Mechanisms and Principles of Regulation. <i>Biomolecules</i> , 2020, 10, 969.	1.8	43
79	Isolation and initial structure-functional characterization of endogenous tRNA-derived stress-induced RNAs. <i>RNA Biology</i> , 2020, 17, 1116-1124.	1.5	41
80	Stress puts TIA on TOP. <i>Genes and Development</i> , 2011, 25, 2119-2124.	2.7	40
81	Phosphorylation of G3BP1-S149 does not influence stress granule assembly. <i>Journal of Cell Biology</i> , 2019, 218, 2425-2432.	2.3	39
82	Nitric oxide triggers the assembly of α -stress granules linked to decreased cell viability. <i>Cell Death and Disease</i> , 2018, 9, 1129.	2.7	34
83	In a tight spot: ARE-mRNAs at processing bodies. <i>Genes and Development</i> , 2007, 21, 627-631.	2.7	33
84	CD4CD45R cells are preferentially activated through the CD2 pathway. <i>European Journal of Immunology</i> , 1988, 18, 1473-1476.	1.6	32
85	Fas-activated serine/threonine phosphoprotein (FAST) is a regulator of alternative splicing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11370-11375.	3.3	32
86	Intrinsic mRNA stability helps compose the inflammatory symphony. <i>Nature Immunology</i> , 2009, 10, 233-234.	7.0	32
87	FXR1 splicing is important for muscle development and biomolecular condensates in muscle cells. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	30
88	Activation-induced NK cell death triggered by CD2 stimulation. <i>European Journal of Immunology</i> , 1998, 28, 1292-1300.	1.6	29
89	FAST is a BCL-XL-associated mitochondrial protein. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 95-102.	1.0	27
90	Early rRNA processing is a stress-dependent regulatory event whose inhibition maintains nucleolar integrity. <i>Nucleic Acids Research</i> , 2022, 50, 1033-1051.	6.5	27

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91	TIA-1 regulates the production of tumor necrosis factor γ in macrophages, but not in lymphocytes. <i>Arthritis and Rheumatism</i> , 2001, 44, 2879-2887.	6.7	26
92	Small nucleolar RNP scleroderma autoantigens associate with phosphorylated serine/arginine splicing factors during apoptosis. <i>Arthritis and Rheumatism</i> , 2000, 43, 1327-1336.	6.7	24
93	Signal transduction in rheumatoid arthritis. <i>Best Practice and Research in Clinical Rheumatology</i> , 2001, 15, 789-803.	1.4	22
94	Methods to Classify Cytoplasmic Foci as Mammalian Stress Granules. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	21
95	Fas-Activated Serine/Threonine Phosphoprotein Promotes Immune-Mediated Pulmonary Inflammation. <i>Journal of Immunology</i> , 2010, 184, 5325-5332.	0.4	19
96	Mechanisms of differential immunogenicity of tumor necrosis factor inhibitors. <i>Current Rheumatology Reports</i> , 2005, 7, 3-9.	2.1	17
97	Stress granules contribute to $\hat{\alpha}$ -globin homeostasis in differentiating erythroid cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 768-774.	1.0	16
98	Granzyme B and natural killer (NK) cell death. <i>Modern Rheumatology</i> , 2005, 15, 315-322.	0.9	15
99	<i>In lysate</i> RNA digestion provides insights into the angiogenin TM s specificity towards transfer RNAs. <i>RNA Biology</i> , 2021, 18, 2546-2555.	1.5	12
100	The translational repressor T-cell intracellular antigen-1 (TIA-1) is a key modulator of Th2 and Th17 responses driving pulmonary inflammation induced by exposure to house dust mite. <i>Immunology Letters</i> , 2012, 146, 8-14.	1.1	10
101	Pin1: a proline isomerase that makes you wheeze?. <i>Nature Immunology</i> , 2005, 6, 1211-1212.	7.0	9
102	The tumor necrosis factor- $\hat{\alpha}$ AU-rich element inhibits the stable association of the 40S ribosomal subunit with RNA transcripts. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 1100-1106.	1.0	9
103	A Place for RNAi. <i>Developmental Cell</i> , 2005, 9, 311-312.	3.1	8
104	RNA-Seeded Functional Amyloids Balance Growth and Survival. <i>Developmental Cell</i> , 2016, 39, 131-132.	3.1	8
105	Reg1 and Snf1 regulate stress $\hat{\alpha}$ -induced relocalization of protein phosphatase $\hat{\alpha}$ 1 to cytoplasmic granules. <i>FEBS Journal</i> , 2021, 288, 4833-4848.	2.2	5
106	Deletion of FAST (Fas-activated serine/threonine phosphoprotein) ameliorates immune complex arthritis in mice. <i>Modern Rheumatology</i> , 2016, 26, 630-632.	0.9	4
107	Stress-Induced Ribonucleases. <i>Nucleic Acids and Molecular Biology</i> , 2011, , 115-134.	0.2	3
108	Alternative translation initiation in immunity: MAVS learns new tricks. <i>Trends in Immunology</i> , 2014, 35, 188-189.	2.9	3

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109	A novel role for interleukin-18 in human natural killer cell death: High serum levels and low natural killer cell numbers in patients with systemic autoimmune diseases. <i>Arthritis and Rheumatism</i> , 2001, 44, 884-892.	6.7	3
110	Fas-activated Ser/Thr phosphoprotein (FAST) is a eukaryotic initiation factor 4E-binding protein that regulates mRNA stability and cell survival. <i>Translation</i> , 2013, 1, e24047.	2.9	1
111	Hydrogen peroxide induces stress granule formation independent of eukaryotic initiation factor 2 α phosphorylation. , 2012, , .		1