Paul L Fox

List of Publications by Year
in descending order

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120 papers	10,315 citations	58 h-index	99 g-index
		23567	33894
121 all docs	121 docs citations	121 times ranked	13853 citing authors

#	Article	IF	Citations
1	Cotranslational interaction of human EBP50 and ezrin overcomes masked binding site during complex assembly. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
2	An optimized protocol for in vitro and in cellulo structural determination of the multi-tRNA synthetase complex by cross-linking mass spectrometry. STAR Protocols, 2022, 3, 101201.	1.2	4
3	IL-17â€“induced HIF1Î± drives resistance to antiâ€“PD-L1 via fibroblast-mediated immune exclusion. Journal of Experimental Medicine, 2022, 219, .	8.5	21
4	Aminoacyl-tRNA synthetases of the multi-tRNA synthetase complex and their role in tumorigenesis. Translational Oncology, 2022, 19, 101392.	3.7	13
5	The zinc-binding domain of mammalian prolyl-tRNA synthetase is indispensable for catalytic activity and organism viability. IScience, 2021, 24, 102215.	4.1	3
6	Screening of CRISPR-Cas9-generated point mutant mice using MiSeq and locked nucleic acid probe PCR. STAR Protocols, 2021, 2, 100785.	1.2	0
7	Bidirectional Tumor-Promoting Activities of Macrophage Ezrin. International Journal of Molecular Sciences, 2020, 21, 7716.	4.1	7
8	Aminoacyl-tRNA synthetases in cell signaling. The Enzymes, 2020, 48, 243-275.	1.7	6
9	Protein S-Nitrosylation of Human Cytomegalovirus pp71 Inhibits Its Ability To Limit STING Antiviral Responses. Journal of Virology, 2020, 94, .	3.4	10
10	3-Dimensional architecture of the human multi-tRNA synthetase complex. Nucleic Acids Research, 2020, 48, 8740-8754.	14.5	27
11	Inflammation mobilizes copper metabolism to promote colon tumorigenesis via an IL-17-STEAP4-XIAP axis. Nature Communications, 2020, 11, 900.	12.8	108
12	Letâ€7aâ€regulated translational readthrough of mammalian <scp>AGO</scp> 1 generates a micro <scp>RNA</scp> pathway inhibitor. EMBO Journal, 2019, 38, e100727.	7.8	30
13	Aminoacyl-tRNA synthetases as therapeutic targets. Nature Reviews Drug Discovery, 2019, 18, 629-650.	46.4	162
14	Multisite Phosphorylation of S6K1 Directs a Kinase Phospho-code that Determines Substrate Selection. Molecular Cell, 2019, 73, 446-457.e6.	9.7	36
15	Metabolic Origin of the Fused Aminoacyl tRNA Synthetase, Glutamylâ€Prolyl tRNA Synthetase (EPRS). FASEB Journal, 2019, 33, 351.2.	0.5	0
16	Structural control of caspase-generated glutamyl-tRNA synthetase by appended noncatalytic WHEP domains. Journal of Biological Chemistry, 2018, 293, 8843-8860.	3.4	7
17	Cx26 drives self-renewal in triple-negative breast cancer via interaction with NANOG and focal adhesion kinase. Nature Communications, 2018, 9, 578.	12.8	60
18	IL-17-receptor-associated adaptor Act1 directly stabilizes mRNAs to mediate IL-17 inflammatory signaling. Nature Immunology, 2018, 19, 354-365.	14.5	91

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19	The <scp>GAIT</scp> translational control system. Wiley Interdisciplinary Reviews RNA, 2018, 9, e1441.	6.4	46
20	Metabolic origin of the fused aminoacyl-tRNA synthetase, glutamyl-prolyl-tRNA synthetase. Journal of Biological Chemistry, 2018, 293, 19148-19156.	3.4	11
21	Cancer-predicting transcriptomic and epigenetic signatures revealed for ulcerative colitis in patient-derived epithelial organoids. Oncotarget, 2018, 9, 28717-28730.	1.8	28
22	EPRS is a critical mTORC1â€“S6K1 effector that influences adiposity in mice. Nature, 2017, 542, 357-361.	27.8	130
23	Interplay between miR-574-3p and hnRNP L regulates VEGFA mRNA translation and tumorigenesis. Nucleic Acids Research, 2017, 45, 7950-7964.	14.5	33
24	Unexpected metabolic function of a tRNA synthetase. Cell Cycle, 2017, 16, 2239-2240.	2.6	12
25	Experimental approaches for investigation of aminoacyl tRNA synthetase phosphorylation. Methods, 2017, 113, 72-82.	3.8	8
26	IRAK2 directs stimulus-dependent nuclear export of inflammatory mRNAs. ELife, 2017, 6, .	6.0	22
27	Condensin II and GAIT complexes cooperate to restrict LINE-1 retrotransposition in epithelial cells. PLoS Genetics, 2017, 13, e1007051.	3.5	19
28	The RNA-Binding Protein HuR Posttranscriptionally Regulates IL-2 Homeostasis and CD4+ Th2 Differentiation. ImmunoHorizons, 2017, 1, 109-123.	1.8	20
29	Cancer Stem Cell-Secreted Macrophage Migration Inhibitory Factor Stimulates Myeloid Derived Suppressor Cell Function and Facilitates Glioblastoma Immune Evasion. Stem Cells, 2016, 34, 2026-2039.	3.2	189
30	Infection-specific phosphorylation of glutamyl-prolyl tRNA synthetase induces antiviral immunity. Nature Immunology, 2016, 17, 1252-1262.	14.5	76
31	IRAKMâ€Mincle axis links cell death to inflammation: Pathophysiological implications for chronic alcoholic liver disease. Hepatology, 2016, 64, 1978-1993.	7.3	55
32	T cellâ€“intrinsic ASC critically promotes TH17-mediated experimental autoimmune encephalomyelitis. Nature Immunology, 2016, 17, 583-592.	14.5	127
33	Antiangiogenic VEGF-Ax: A New Participant in Tumor Angiogenesis. Cancer Research, 2015, 75, 2765-2769.	0.9	48
34	Translational Control Mechanisms in Angiogenesis and Vascular Biology. Current Atherosclerosis Reports, 2015, 17, 506.	4.8	9
35	Human Colon Tumors Express a Dominant-Negative Form ofÂSIGIRR That Promotes Inflammation and Colitis-Associated Colon Cancer in Mice. Gastroenterology, 2015, 149, 1860-1871.e8.	1.3	33
36	Discovery and investigation of the GAIT translational control system. Rna, 2015, 21, 615-618.	3.5	7

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37	Preferential Iron Trafficking Characterizes Glioblastoma Stem-like Cells. Cancer Cell, 2015, 28, 441-455.	16.8	249
38	Quantitative H2S-mediated protein sulfhydration reveals metabolic reprogramming during the integrated stress response. ELife, 2015, 4, e10067.	6.0	154
39	Computational Modeling and Analysis of Iron Release from Macrophages. PLoS Computational Biology, 2014, 10, e1003701.	3.2	15
40	Site-specific Nitration of Apolipoprotein A-I at Tyrosine 166 Is Both Abundant within Human Atherosclerotic Plaque and Dysfunctional. Journal of Biological Chemistry, 2014, 289, 10276-10292.	3.4	84
41	An abundant dysfunctional apolipoprotein A1 in human atheroma. Nature Medicine, 2014, 20, 193-203.	30.7	316
42	Ceruloplasmin has two nearly identical sites that bind myeloperoxidase. Biochemical and Biophysical Research Communications, 2014, 453, 722-727.	2.1	12
43	MyD88-dependent interplay between myeloid and endothelial cells in the initiation and progression of obesity-associated inflammatory diseases. Journal of Experimental Medicine, 2014, 211, 887-907.	8.5	70
44	Target-Selective Protein S-Nitrosylation by Sequence Motif Recognition. Cell, 2014, 159, 623-634.	28.9	158
45	Profilin-1 phosphorylation directs angiocrine expression and glioblastoma progression throughÂHIF-1Î± accumulation. Nature Cell Biology, 2014, 16, 445-456.	10.3	83
46	Programmed Translational Readthrough Generates Antiangiogenic VEGF-Ax. Cell, 2014, 157, 1605-1618.	28.9	184
47	Origin and Evolution of Glutamyl-prolyl tRNA Synthetase WHEP Domains Reveal Evolutionary Relationships within Holozoa. PLoS ONE, 2014, 9, e98493.	2.5	19
48	Function and Distribution of Apolipoprotein A1 in the Artery Wall Are Markedly Distinct From Those in Plasma. Circulation, 2013, 128, 1644-1655.	1.6	98
49	Citric acid cycle and the origin of MARS. Trends in Biochemical Sciences, 2013, 38, 222-228.	7.5	14
50	Regulation and dysregulation of 3â€²UTR-mediated translational control. Current Opinion in Genetics and Development, 2013, 23, 29-34.	3.3	87
51	Aminoacylâ€tRNA synthetases in medicine and disease. EMBO Molecular Medicine, 2013, 5, 332-343.	6.9	234
52	IRAK-M mediates Toll-like receptor/IL-1R-induced NFÎºB activation and cytokine production. EMBO Journal, 2013, 32, 583-596.	7.8	103
53	The HILDA Complex Coordinates a Conditional Switch in the 3â€²-Untranslated Region of the VEGFA mRNA. PLoS Biology, 2013, 11, e1001635.	5.6	51
54	Protective role of macrophage-derived ceruloplasmin in inflammatory bowel disease. Gut, 2013, 62, 209-219.	12.1	47

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55	HuR Is Required for IL-17â€“Induced Act1-Mediated CXCL1 and CXCL5 mRNA Stabilization. Journal of Immunology, 2013, 191, 640-649.	0.8	83
56	Non-catalytic Regulation of Gene Expression by Aminoacyl-tRNA Synthetases. Topics in Current Chemistry, 2013, 344, 167-187.	4.0	28
57	Myeloperoxidase, paraoxonase-1, and HDL form a functional ternary complex. Journal of Clinical Investigation, 2013, 123, 3815-3828.	8.2	226
58	HOXA9 Methylation by PRMT5 Is Essential for Endothelial Cell Expression of Leukocyte Adhesion Molecules. Molecular and Cellular Biology, 2012, 32, 1202-1213.	2.3	72
59	Pellino 2 Is critical for Toll-like Receptor/Interleukin-1 Receptor (TLR/IL-1R)-mediated Post-transcriptional Control. Journal of Biological Chemistry, 2012, 287, 25686-25695.	3.4	39
60	A truncated tRNA synthetase directs a â€œtranslational trickleâ€•of gene expression. Cell Cycle, 2012, 11, 1868-1869.	2.6	4
61	Inactivation of the Enzyme GSK3Î± by the Kinase IKKi Promotes AKT-mTOR Signaling Pathway that Mediates Interleukin-1-Induced Th17 Cell Maintenance. Immunity, 2012, 37, 800-812.	14.3	69
62	Protection of Extraribosomal RPL13a by GAPDH and Dysregulation by S-Nitrosylation. Molecular Cell, 2012, 47, 656-663.	9.7	74
63	Myo1c facilitates G-actin transport to the leading edge of migrating endothelial cells. Journal of Cell Biology, 2012, 198, 47-55.	5.2	48
64	Coding Region Polyadenylation Generates a Truncated tRNA Synthetase that Counters Translation Repression. Cell, 2012, 149, 88-100.	28.9	87
65	Stimulus-dependent phosphorylation of profilin-1 inÂangiogenesis. Nature Cell Biology, 2012, 14, 1046-1056.	10.3	66
66	Heterotrimeric GAIT Complex Drives Transcript-Selective Translation Inhibition in Murine Macrophages. Molecular and Cellular Biology, 2012, 32, 5046-5055.	2.3	41
67	Clinical and Genetic Association of Serum Ceruloplasmin With Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 516-522.	2.4	54
68	Phosphorylation of glutamyl-prolyl tRNA synthetase by cyclin-dependent kinase 5 dictates transcript-selective translational control. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1415-1420.	7.1	54
69	Repression of VEGFA by CA-rich element-binding microRNAs is modulated by hnRNP L. EMBO Journal, 2011, 30, 1324-1334.	7.8	111
70	The Critical Role of IL-1 Receptor-Associated Kinase 4-Mediated NF-ÎºB Activation in Modified Low-Density Lipoprotein-Induced Inflammatory Gene Expression and Atherosclerosis. Journal of Immunology, 2011, 186, 2871-2880.	0.8	44
71	Evolution of Function of a Fused Metazoan tRNA Synthetase. Molecular Biology and Evolution, 2011, 28, 437-447.	8.9	28
72	A CCâ€² Loop Decoy Peptide Blocks the Interaction Between Act1 and IL-17RA to Attenuate IL-17â€“ and IL-25â€“Induced Inflammation. Science Signaling, 2011, 4, ra72.	3.6	44

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73	TGF-Î²-mediated phosphorylation of hnRNP E1 induces EMT via transcript-selective translational induction of Dab2 and ILEI. Nature Cell Biology, 2010, 12, 286-293.	10.3	269
74	GAPDH regulates cellular heme insertion into inducible nitric oxide synthase. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18004-18009.	7.1	125
75	The GAIT system: a gatekeeper of inflammatory gene expression. Trends in Biochemical Sciences, 2009, 34, 324-331.	7.5	187
76	A stress-responsive RNA switch regulates VEGFA expression. Nature, 2009, 457, 915-919.	27.8	231
77	Reactive Oxygen Species Regulate Ceruloplasmin by a Novel mRNA Decay Mechanism Involving Its 3â€²-Untranslated Region. Journal of Biological Chemistry, 2009, 284, 1873-1883.	3.4	44
78	Spatial Coordination of Actin Polymerization and ILKâ€“Akt2 Activity during Endothelial Cell Migration. Developmental Cell, 2009, 16, 661-674.	7.0	58
79	Two-Site Phosphorylation of EPRS Coordinates Multimodal Regulation of Noncanonical Translational Control Activity. Molecular Cell, 2009, 35, 164-180.	9.7	115
80	WHEP Domains Direct Noncanonical Function of Glutamyl-Prolyl tRNA Synthetase in Translational Control of Gene Expression. Molecular Cell, 2008, 29, 679-690.	9.7	110
81	DAPK-ZIPK-L13a Axis Constitutes a Negative-Feedback Module Regulating Inflammatory Gene Expression. Molecular Cell, 2008, 32, 371-382.	9.7	128
82	Cyclinâ€dependent kinase 5 mediated phosphorylation of GluProRS induces translational silencing of inflammatory gene expression. FASEB Journal, 2008, 22, 638.2.	0.5	0
83	Regulation of ceruloplasmin in human hepatic cells by redox active copper: identification of a novel AP-1 site in the ceruloplasmin gene. Biochemical Journal, 2007, 402, 135-141.	3.7	34
84	L13a Blocks 48S Assembly: Role of a General Initiation Factor in mRNA-Specific Translational Control. Molecular Cell, 2007, 25, 113-126.	9.7	88
85	A post-transcriptional pathway represses monocyte VEGF-A expression and angiogenic activity. EMBO Journal, 2007, 26, 3360-3372.	7.8	96
86	Macromolecular complexes as depots for releasable regulatory proteins. Trends in Biochemical Sciences, 2007, 32, 158-164.	7.5	117
87	Translation Inhibition of Vascular Endothelial Growth Factor mRNA by the GAIT Translational Silencing Complex. FASEB Journal, 2006, 20, A537.	0.5	0
88	Ribosomal protein L13a inhibits translation by blocking the formation of 80S complex on the GAIT element containing mRNA: Dependence on the translation initiation factor eIF4G. FASEB Journal, 2006, 20, A108.	0.5	0
89	Serine phosphorylation of the linker domain of bifunctional glutamylâ€prolyl tRNA synthetase is critical for transcriptâ€specific translational silencing. FASEB Journal, 2006, 20, A496.	0.5	0
90	Protein Kinase CÎ²â€“Dependent Phosphorylation of Syndecan-4 Regulates Cell Migration. Circulation Research, 2005, 97, 674-681.	4.5	49

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91	Unexpected role of ceruloplasmin in intestinal iron absorption. Cell Metabolism, 2005, 2, 309-319.	16.2	133
92	Regulation of macrophage ceruloplasmin gene expression: one paradigm of 3'-UTR-mediated translational control. Molecules and Cells, 2005, 20, 167-72.	2.6	20
93	Noncanonical Function of Glutamyl-Prolyl-tRNA Synthetase. Cell, 2004, 119, 195-208.	28.9	224
94	Anemia and impaired stress-induced erythropoiesis in aceruloplasminemic mice. Blood Cells, Molecules, and Diseases, 2004, 33, 346-355.	1.4	40
95	Polarization of Plasma Membrane Microviscosity during Endothelial Cell Migration. Developmental Cell, 2004, 6, 29-41.	7.0	65
96	Mix 'n' match metalloproteins. Blood, 2004, 103, 4378-4379.	1.4	0
97	Apolipoprotein A-I is a selective target for myeloperoxidase-catalyzed oxidation and functional impairment in subjects with cardiovascular disease. Journal of Clinical Investigation, 2004, 114, 529-541.	8.2	333
98	The copper-iron chronicles: the story of an intimate relationship. BioMetals, 2003, 16, 9-40.	4.1	141
99	Translational control by the 3â€²-UTR: the ends specify the means. Trends in Biochemical Sciences, 2003, 28, 91-98.	7.5	448
100	Regulated Release of L13a from the 60S Ribosomal Subunit as A Mechanism of Transcript-Specific Translational Control. Cell, 2003, 115, 187-198.	28.9	288
101	Role of Ceruloplasmin in Macrophage Iron Efflux during Hypoxia. Journal of Biological Chemistry, 2003, 278, 44018-44024.	3.4	86
102	Transcript-Selective Translational Silencing by Gamma Interferon Is Directed by a Novel Structural Element in the Ceruloplasmin mRNA 3â€² Untranslated Region. Molecular and Cellular Biology, 2003, 23, 1509-1519.	2.3	113
103	Expression of Sorsby's Fundus Dystrophy Mutations in Human Retinal Pigment Epithelial Cells Reduces Matrix Metalloproteinase Inhibition and May Promote Angiogenesis. Journal of Biological Chemistry, 2002, 277, 13394-13400.	3.4	50
104	Identification of a Novel Family of Oxidized Phospholipids That Serve as Ligands for the Macrophage Scavenger Receptor CD36. Journal of Biological Chemistry, 2002, 277, 38503-38516.	3.4	389
105	Dual Role of Insulin in Transcriptional Regulation of the Acute Phase Reactant Ceruloplasmin. Journal of Biological Chemistry, 2002, 277, 27903-27911.	3.4	32
106	Oxidative stress inhibits caveolin-1 palmitoylation and trafficking in endothelial cells. Biochemical Journal, 2002, 361, 681-688.	3.7	37
107	Membrane microviscosity regulates endothelial cell motility. Nature Cell Biology, 2002, 4, 894-900.	10.3	75
108	Translational Silencing of Ceruloplasmin Requires the Essential Elements of mRNA Circularization: Poly(A) Tail, Poly(A)-Binding Protein, and Eukaryotic Translation Initiation Factor 4G. Molecular and Cellular Biology, 2001, 21, 6440-6449.	2.3	58

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109	Palmitoylation of Caveolin-1 in Endothelial Cells Is Post-translational but Irreversible. Journal of Biological Chemistry, 2001, 276, 15776-15782.	3.4	63
110	Ceruloplasmin and cardiovascular disease. Free Radical Biology and Medicine, 2000, 28, 1735-1744.	2.9	144
111	Role of Hypoxia-inducible Factor-1 in Transcriptional Activation of Ceruloplasmin by Iron Deficiency. Journal of Biological Chemistry, 2000, 275, 21048-21054.	3.4	248
112	Ceruloplasmin Ferroxidase Activity Stimulates Cellular Iron Uptake by a Trivalent Cation-specific Transport Mechanism. Journal of Biological Chemistry, 1999, 274, 1116-1123.	3.4	125
113	The Oxidation of Lipoproteins by Monocytes-Macrophages. Journal of Biological Chemistry, 1999, 274, 25959-25962.	3.4	148
114	Delayed Translational Silencing of Ceruloplasmin Transcript in Gamma Interferon-Activated U937 Monocytic Cells: Role of the 3â€² Untranslated Region. Molecular and Cellular Biology, 1999, 19, 6898-6905.	2.3	54
115	Ceruloplasmin Copper Induces Oxidant Damage by a Redox Process Utilizing Cell-Derived Superoxide as Reductantâ€. Biochemistry, 1998, 37, 14222-14229.	2.5	54
116	Role of Ceruloplasmin in Cellular Iron Uptake. Science, 1998, 279, 714-717.	12.6	193
117	Ceruloplasmin Enhances Smooth Muscle Cell- and Endothelial Cell-mediated Low Density Lipoprotein Oxidation by a Superoxide-dependent Mechanism. Journal of Biological Chemistry, 1996, 271, 14773-14778.	3.4	67
118	Activation of Cytosolic Phospholipase A by Basic Fibroblast Growth Factor via a p42 Mitogen-activated Protein Kinase-dependent Phosphorylation Pathway in Endothelial Cells. Journal of Biological Chemistry, 1995, 270, 2360-2366.	3.4	150
119	Structure, oxidant activity, and cardiovascular mechanisms of human ceruloplasmin. Life Sciences, 1995, 56, 1749-1758.	4.3	107
120	Regulation of production of a platelet-derived growth factor-like protein by cultured bovine aortic endothelial cells. Journal of Cellular Physiology, 1984, 121, 298-308.	4.1	163