

Paul L Fox

List of Publications by Year in descending order

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120
papers

10,315
citations

23567

58
h-index

33894

99
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121
all docs

121
docs citations

121
times ranked

13853
citing authors

#	ARTICLE	IF	CITATIONS
1	Translational control by the 3' UTR: the ends specify the means. Trends in Biochemical Sciences, 2003, 28, 91-98.	7.5	448
2	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
3	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
4	An abundant dysfunctional apolipoprotein A1 in human atheroma. Nature Medicine, 2014, 20, 193-203.	30.7	316
5	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
6	TGF- β -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
7	Preferential Iron Trafficking Characterizes Glioblastoma Stem-like Cells. Cancer Cell, 2015, 28, 441-455.	16.8	249
8	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
9	Aminoacyl-tRNA synthetases in medicine and disease. EMBO Molecular Medicine, 2013, 5, 332-343.	6.9	234
10	A stress-responsive RNA switch regulates VEGFA expression. Nature, 2009, 457, 915-919.	27.8	231
11	Myeloperoxidase, paraoxonase-1, and HDL form a functional ternary complex. Journal of Clinical Investigation, 2013, 123, 3815-3828.	8.2	226
12	Noncanonical Function of Glutamyl-Prolyl-tRNA Synthetase. Cell, 2004, 119, 195-208.	28.9	224
13	Role of Ceruloplasmin in Cellular Iron Uptake. Science, 1998, 279, 714-717.	12.6	193
14	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
15	The GAIT system: a gatekeeper of inflammatory gene expression. Trends in Biochemical Sciences, 2009, 34, 324-331.	7.5	187
16	Programmed Translational Readthrough Generates Antiangiogenic VEGF-Ax. Cell, 2014, 157, 1605-1618.	28.9	184
17	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
18	Aminoacyl-tRNA synthetases as therapeutic targets. Nature Reviews Drug Discovery, 2019, 18, 629-650.	46.4	162

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19	Target-Selective Protein S-Nitrosylation by Sequence Motif Recognition. <i>Cell</i> , 2014, 159, 623-634.	28.9	158
20	Quantitative H ₂ S-mediated protein sulfhydration reveals metabolic reprogramming during the integrated stress response. <i>ELife</i> , 2015, 4, e10067.	6.0	154
21	Activation of Cytosolic Phospholipase A by Basic Fibroblast Growth Factor via a p42 Mitogen-activated Protein Kinase-dependent Phosphorylation Pathway in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 2360-2366.	3.4	150
22	The Oxidation of Lipoproteins by Monocytes-Macrophages. <i>Journal of Biological Chemistry</i> , 1999, 274, 25959-25962.	3.4	148
23	Ceruloplasmin and cardiovascular disease. <i>Free Radical Biology and Medicine</i> , 2000, 28, 1735-1744.	2.9	144
24	The copper-iron chronicles: the story of an intimate relationship. <i>BioMetals</i> , 2003, 16, 9-40.	4.1	141
25	Unexpected role of ceruloplasmin in intestinal iron absorption. <i>Cell Metabolism</i> , 2005, 2, 309-319.	16.2	133
26	EPRS is a critical mTORC1- ⁶ S6K1 effector that influences adiposity in mice. <i>Nature</i> , 2017, 542, 357-361.	27.8	130
27	DAPK-ZIPK-L13a Axis Constitutes a Negative-Feedback Module Regulating Inflammatory Gene Expression. <i>Molecular Cell</i> , 2008, 32, 371-382.	9.7	128
28	T cell-intrinsic ASC critically promotes TH17-mediated experimental autoimmune encephalomyelitis. <i>Nature Immunology</i> , 2016, 17, 583-592.	14.5	127
29	Ceruloplasmin Ferroxidase Activity Stimulates Cellular Iron Uptake by a Trivalent Cation-specific Transport Mechanism. <i>Journal of Biological Chemistry</i> , 1999, 274, 1116-1123.	3.4	125
30	GAPDH regulates cellular heme insertion into inducible nitric oxide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18004-18009.	7.1	125
31	Macromolecular complexes as depots for releasable regulatory proteins. <i>Trends in Biochemical Sciences</i> , 2007, 32, 158-164.	7.5	117
32	Two-Site Phosphorylation of EPRS Coordinates Multimodal Regulation of Noncanonical Translational Control Activity. <i>Molecular Cell</i> , 2009, 35, 164-180.	9.7	115
33	Transcript-Selective Translational Silencing by Gamma Interferon Is Directed by a Novel Structural Element in the Ceruloplasmin mRNA 3' UTR. <i>Molecular and Cellular Biology</i> , 2003, 23, 1509-1519.	2.3	113
34	Repression of VEGFA by CA-rich element-binding microRNAs is modulated by hnRNP L. <i>EMBO Journal</i> , 2011, 30, 1324-1334.	7.8	111
35	WHEP Domains Direct Noncanonical Function of Glutamyl-Prolyl tRNA Synthetase in Translational Control of Gene Expression. <i>Molecular Cell</i> , 2008, 29, 679-690.	9.7	110
36	Inflammation mobilizes copper metabolism to promote colon tumorigenesis via an IL-17-STEAP4-XIAP axis. <i>Nature Communications</i> , 2020, 11, 900.	12.8	108

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37	Structure, oxidant activity, and cardiovascular mechanisms of human ceruloplasmin. <i>Life Sciences</i> , 1995, 56, 1749-1758.	4.3	107
38	IRAK-M mediates Toll-like receptor/IL-1R-induced NF κ B activation and cytokine production. <i>EMBO Journal</i> , 2013, 32, 583-596.	7.8	103
39	Function and Distribution of Apolipoprotein A1 in the Artery Wall Are Markedly Distinct From Those in Plasma. <i>Circulation</i> , 2013, 128, 1644-1655.	1.6	98
40	A post-transcriptional pathway represses monocyte VEGF-A expression and angiogenic activity. <i>EMBO Journal</i> , 2007, 26, 3360-3372.	7.8	96
41	IL-17-receptor-associated adaptor Act1 directly stabilizes mRNAs to mediate IL-17 inflammatory signaling. <i>Nature Immunology</i> , 2018, 19, 354-365.	14.5	91
42	L13a Blocks 48S Assembly: Role of a General Initiation Factor in mRNA-Specific Translational Control. <i>Molecular Cell</i> , 2007, 25, 113-126.	9.7	88
43	Coding Region Polyadenylation Generates a Truncated tRNA Synthetase that Counters Translation Repression. <i>Cell</i> , 2012, 149, 88-100.	28.9	87
44	Regulation and dysregulation of 3'UTR-mediated translational control. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 29-34.	3.3	87
45	Role of Ceruloplasmin in Macrophage Iron Efflux during Hypoxia. <i>Journal of Biological Chemistry</i> , 2003, 278, 44018-44024.	3.4	86
46	Site-specific Nitration of Apolipoprotein A-I at Tyrosine 166 Is Both Abundant within Human Atherosclerotic Plaque and Dysfunctional. <i>Journal of Biological Chemistry</i> , 2014, 289, 10276-10292.	3.4	84
47	HuR Is Required for IL-17-Induced Act1-Mediated CXCL1 and CXCL5 mRNA Stabilization. <i>Journal of Immunology</i> , 2013, 191, 640-649.	0.8	83
48	Profilin-1 phosphorylation directs angiocrine expression and glioblastoma progression through HIF-1 α accumulation. <i>Nature Cell Biology</i> , 2014, 16, 445-456.	10.3	83
49	Infection-specific phosphorylation of glutamyl-prolyl tRNA synthetase induces antiviral immunity. <i>Nature Immunology</i> , 2016, 17, 1252-1262.	14.5	76
50	Membrane microviscosity regulates endothelial cell motility. <i>Nature Cell Biology</i> , 2002, 4, 894-900.	10.3	75
51	Protection of Extraribosomal RPL13a by GAPDH and Dysregulation by S-Nitrosylation. <i>Molecular Cell</i> , 2012, 47, 656-663.	9.7	74
52	HOXA9 Methylation by PRMT5 Is Essential for Endothelial Cell Expression of Leukocyte Adhesion Molecules. <i>Molecular and Cellular Biology</i> , 2012, 32, 1202-1213.	2.3	72
53	MyD88-dependent interplay between myeloid and endothelial cells in the initiation and progression of obesity-associated inflammatory diseases. <i>Journal of Experimental Medicine</i> , 2014, 211, 887-907.	8.5	70
54	Inactivation of the Enzyme GSK3 β by the Kinase IKKi Promotes AKT-mTOR Signaling Pathway that Mediates Interleukin-1-Induced Th17 Cell Maintenance. <i>Immunity</i> , 2012, 37, 800-812.	14.3	69

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55	Ceruloplasmin Enhances Smooth Muscle Cell- and Endothelial Cell-mediated Low Density Lipoprotein Oxidation by a Superoxide-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 1996, 271, 14773-14778.	3.4	67
56	Stimulus-dependent phosphorylation of profilin-1 in Angiogenesis. <i>Nature Cell Biology</i> , 2012, 14, 1046-1056.	10.3	66
57	Polarization of Plasma Membrane Microviscosity during Endothelial Cell Migration. <i>Developmental Cell</i> , 2004, 6, 29-41.	7.0	65
58	Palmitoylation of Caveolin-1 in Endothelial Cells Is Post-translational but Irreversible. <i>Journal of Biological Chemistry</i> , 2001, 276, 15776-15782.	3.4	63
59	Cx26 drives self-renewal in triple-negative breast cancer via interaction with NANOG and focal adhesion kinase. <i>Nature Communications</i> , 2018, 9, 578.	12.8	60
60	Translational Silencing of Ceruloplasmin Requires the Essential Elements of mRNA Circularization: Poly(A) Tail, Poly(A)-Binding Protein, and Eukaryotic Translation Initiation Factor 4G. <i>Molecular and Cellular Biology</i> , 2001, 21, 6440-6449.	2.3	58
61	Spatial Coordination of Actin Polymerization and ILK/Akt2 Activity during Endothelial Cell Migration. <i>Developmental Cell</i> , 2009, 16, 661-674.	7.0	58
62	IRAKM-Mincle axis links cell death to inflammation: Pathophysiological implications for chronic alcoholic liver disease. <i>Hepatology</i> , 2016, 64, 1978-1993.	7.3	55
63	Ceruloplasmin Copper Induces Oxidant Damage by a Redox Process Utilizing Cell-Derived Superoxide as Reductant. <i>Biochemistry</i> , 1998, 37, 14222-14229.	2.5	54
64	Delayed Translational Silencing of Ceruloplasmin Transcript in Gamma Interferon-Activated U937 Monocytic Cells: Role of the 3' UTR Untranslated Region. <i>Molecular and Cellular Biology</i> , 1999, 19, 6898-6905.	2.3	54
65	Phosphorylation of glutamyl-prolyl tRNA synthetase by cyclin-dependent kinase 5 dictates transcript-selective translational control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1415-1420.	7.1	54
66	Clinical and Genetic Association of Serum Ceruloplasmin With Cardiovascular Risk. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 516-522.	2.4	54
67	The HILDA Complex Coordinates a Conditional Switch in the 3' UTR Untranslated Region of the VEGFA mRNA. <i>PLoS Biology</i> , 2013, 11, e1001635.	5.6	51
68	Expression of Sorsby's Fundus Dystrophy Mutations in Human Retinal Pigment Epithelial Cells Reduces Matrix Metalloproteinase Inhibition and May Promote Angiogenesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 13394-13400.	3.4	50
69	Protein Kinase C-Dependent Phosphorylation of Syndecan-4 Regulates Cell Migration. <i>Circulation Research</i> , 2005, 97, 674-681.	4.5	49
70	Myo1c facilitates G-actin transport to the leading edge of migrating endothelial cells. <i>Journal of Cell Biology</i> , 2012, 198, 47-55.	5.2	48
71	Antiangiogenic VEGF-Ax: A New Participant in Tumor Angiogenesis. <i>Cancer Research</i> , 2015, 75, 2765-2769.	0.9	48
72	Protective role of macrophage-derived ceruloplasmin in inflammatory bowel disease. <i>Gut</i> , 2013, 62, 209-219.	12.1	47

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73	The <sc>GAIT</sc> translational control system. Wiley Interdisciplinary Reviews RNA, 2018, 9, e1441.	6.4	46
74	Reactive Oxygen Species Regulate Ceruloplasmin by a Novel mRNA Decay Mechanism Involving Its 3' UTR. Journal of Biological Chemistry, 2009, 284, 1873-1883.	3.4	44
75	The Critical Role of IL-1 Receptor-Associated Kinase 4-Mediated NF- κ B Activation in Modified Low-Density Lipoprotein-Induced Inflammatory Gene Expression and Atherosclerosis. Journal of Immunology, 2011, 186, 2871-2880.	0.8	44
76	A CCR2 Loop Decoy Peptide Blocks the Interaction Between Act1 and IL-17RA to Attenuate IL-17-Induced Inflammation. Science Signaling, 2011, 4, ra72.	3.6	44
77	Heterotrimeric GAIT Complex Drives Transcript-Selective Translation Inhibition in Murine Macrophages. Molecular and Cellular Biology, 2012, 32, 5046-5055.	2.3	41
78	Anemia and impaired stress-induced erythropoiesis in aceruloplasminemic mice. Blood Cells, Molecules, and Diseases, 2004, 33, 346-355.	1.4	40
79	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
80	Oxidative stress inhibits caveolin-1 palmitoylation and trafficking in endothelial cells. Biochemical Journal, 2002, 361, 681-688.	3.7	37
81	Multisite Phosphorylation of S6K1 Directs a Kinase Phospho-code that Determines Substrate Selection. Molecular Cell, 2019, 73, 446-457.e6.	9.7	36
82	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
83	Human Colon Tumors Express a Dominant-Negative Form of μ IRGIR1 That Promotes Inflammation and Colitis-Associated Colon Cancer in Mice. Gastroenterology, 2015, 149, 1860-1871.e8.	1.3	33
84	Interplay between miR-574-3p and hnRNP L regulates VEGFA mRNA translation and tumorigenesis. Nucleic Acids Research, 2017, 45, 7950-7964.	14.5	33
85	Dual Role of Insulin in Transcriptional Regulation of the Acute Phase Reactant Ceruloplasmin. Journal of Biological Chemistry, 2002, 277, 27903-27911.	3.4	32
86	Let-7a-regulated translational readthrough of mammalian <i>AGO1</i> generates a microRNA pathway inhibitor. EMBO Journal, 2019, 38, e100727.	7.8	30
87	Evolution of Function of a Fused Metazoan tRNA Synthetase. Molecular Biology and Evolution, 2011, 28, 437-447.	8.9	28
88	Non-catalytic Regulation of Gene Expression by Aminoacyl-tRNA Synthetases. Topics in Current Chemistry, 2013, 344, 167-187.	4.0	28
89	Cancer-predicting transcriptomic and epigenetic signatures revealed for ulcerative colitis in patient-derived epithelial organoids. Oncotarget, 2018, 9, 28717-28730.	1.8	28
90	3-Dimensional architecture of the human multi-tRNA synthetase complex. Nucleic Acids Research, 2020, 48, 8740-8754.	14.5	27

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91	IRAK2 directs stimulus-dependent nuclear export of inflammatory mRNAs. <i>ELife</i> , 2017, 6, .	6.0	22
92	IL-17-induced HIF1 α drives resistance to anti-PD-L1 via fibroblast-mediated immune exclusion. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	21
93	The RNA-Binding Protein HuR Posttranscriptionally Regulates IL-2 Homeostasis and CD4+ Th2 Differentiation. <i>ImmunoHorizons</i> , 2017, 1, 109-123.	1.8	20
94	Regulation of macrophage ceruloplasmin gene expression: one paradigm of 3'-UTR-mediated translational control. <i>Molecules and Cells</i> , 2005, 20, 167-72.	2.6	20
95	Condensin II and GAIT complexes cooperate to restrict LINE-1 retrotransposition in epithelial cells. <i>PLoS Genetics</i> , 2017, 13, e1007051.	3.5	19
96	Origin and Evolution of Glutamyl-prolyl tRNA Synthetase WHEP Domains Reveal Evolutionary Relationships within Holozoa. <i>PLoS ONE</i> , 2014, 9, e98493.	2.5	19
97	Computational Modeling and Analysis of Iron Release from Macrophages. <i>PLoS Computational Biology</i> , 2014, 10, e1003701.	3.2	15
98	Citric acid cycle and the origin of MARS. <i>Trends in Biochemical Sciences</i> , 2013, 38, 222-228.	7.5	14
99	Aminoacyl-tRNA synthetases of the multi-tRNA synthetase complex and their role in tumorigenesis. <i>Translational Oncology</i> , 2022, 19, 101392.	3.7	13
100	Ceruloplasmin has two nearly identical sites that bind myeloperoxidase. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 722-727.	2.1	12
101	Unexpected metabolic function of a tRNA synthetase. <i>Cell Cycle</i> , 2017, 16, 2239-2240.	2.6	12
102	Metabolic origin of the fused aminoacyl-tRNA synthetase, glutamyl-prolyl-tRNA synthetase. <i>Journal of Biological Chemistry</i> , 2018, 293, 19148-19156.	3.4	11
103	Protein S-Nitrosylation of Human Cytomegalovirus pp71 Inhibits Its Ability To Limit STING Antiviral Responses. <i>Journal of Virology</i> , 2020, 94, .	3.4	10
104	Translational Control Mechanisms in Angiogenesis and Vascular Biology. <i>Current Atherosclerosis Reports</i> , 2015, 17, 506.	4.8	9
105	Experimental approaches for investigation of aminoacyl tRNA synthetase phosphorylation. <i>Methods</i> , 2017, 113, 72-82.	3.8	8
106	Discovery and investigation of the GAIT translational control system. <i>Rna</i> , 2015, 21, 615-618.	3.5	7
107	Structural control of caspase-generated glutamyl-tRNA synthetase by appended noncatalytic WHEP domains. <i>Journal of Biological Chemistry</i> , 2018, 293, 8843-8860.	3.4	7
108	Bidirectional Tumor-Promoting Activities of Macrophage Ezrin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7716.	4.1	7

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109	Aminoacyl-tRNA synthetases in cell signaling. <i>The Enzymes</i> , 2020, 48, 243-275.	1.7	6
110	Cotranslational interaction of human EBP50 and ezrin overcomes masked binding site during complex assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	6
111	A truncated tRNA synthetase directs a "cotranslational trickle" of gene expression. <i>Cell Cycle</i> , 2012, 11, 1868-1869.	2.6	4
112	An optimized protocol for in vitro and in cellulo structural determination of the multi-tRNA synthetase complex by cross-linking mass spectrometry. <i>STAR Protocols</i> , 2022, 3, 101201.	1.2	4
113	The zinc-binding domain of mammalian prolyl-tRNA synthetase is indispensable for catalytic activity and organism viability. <i>IScience</i> , 2021, 24, 102215.	4.1	3
114	Mix 'n' match metalloproteins. <i>Blood</i> , 2004, 103, 4378-4379.	1.4	0
115	Screening of CRISPR-Cas9-generated point mutant mice using MiSeq and locked nucleic acid probe PCR. <i>STAR Protocols</i> , 2021, 2, 100785.	1.2	0
116	Translation Inhibition of Vascular Endothelial Growth Factor mRNA by the GAIT Translational Silencing Complex. <i>FASEB Journal</i> , 2006, 20, A537.	0.5	0
117	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. <i>FASEB Journal</i> , 2006, 20, A108.	0.5	0
118	Serine phosphorylation of the linker domain of bifunctional glutamyl-prolyl tRNA synthetase is critical for transcript-specific translational silencing. <i>FASEB Journal</i> , 2006, 20, A496.	0.5	0
119	Cyclin-dependent kinase 5 mediated phosphorylation of GluProRS induces translational silencing of inflammatory gene expression. <i>FASEB Journal</i> , 2008, 22, 638.2.	0.5	0
120	Metabolic Origin of the Fused Aminoacyl tRNA Synthetase, Glutamyl-Prolyl tRNA Synthetase (EPRS). <i>FASEB Journal</i> , 2019, 33, 351.2.	0.5	0