

Bradley

List of Publications by Year in descending order

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51
papers

3,408
citations

201674

27
h-index

206112

48
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51
all docs

51
docs citations

51
times ranked

4191
citing authors

#	ARTICLE	IF	CITATIONS
1	Selenium and selenocysteine: roles in cancer, health, and development. Trends in Biochemical Sciences, 2014, 39, 112-120.	7.5	564
2	Identification and characterization of phosphoseryl-tRNA[Ser] ^{Sec} kinase. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12848-12853.	7.1	410
3	Thioredoxin Reductase 1 Deficiency Reverses Tumor Phenotype and Tumorigenicity of Lung Carcinoma Cells*. Journal of Biological Chemistry, 2006, 281, 13005-13008.	3.4	237
4	Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040.	3.4	207
5	Glutathione peroxidase 4 and vitamin E cooperatively prevent hepatocellular degeneration. Redox Biology, 2016, 9, 22-31.	9.0	201
6	Rabbit β -Globin Is Extended Beyond Its UGA Stop Codon by MultipleSuppressions and Translational Reading Gaps. Biochemistry, 1998, 37, 10866-10870.	2.5	200
7	Specific Excision of the Selenocysteine tRNA[Ser] ^{Sec} (Trsp) Gene in Mouse Liver Demonstrates an Essential Role of Selenoproteins in Liver Function. Journal of Biological Chemistry, 2004, 279, 8011-8017.	3.4	157
8	Selective Rescue of Selenoprotein Expression in Mice Lacking a Highly Specialized Methyl Group in Selenocysteine tRNA. Journal of Biological Chemistry, 2005, 280, 5542-5548.	3.4	129
9	Selective Removal of the Selenocysteine tRNA [Ser] ^{Sec} Gene (Trsp) in Mouse Mammary Epithelium. Molecular and Cellular Biology, 2003, 23, 1477-1488.	2.3	103
10	Crucial Role of Macrophage Selenoproteins in Experimental Colitis. Journal of Immunology, 2014, 193, 3683-3692.	0.8	79
11	Selenoproteins regulate macrophage invasiveness and extracellular matrix-related gene expression. BMC Immunology, 2009, 10, 57.	2.2	76
12	Regulation of inflammation by selenium and selenoproteins: impact on eicosanoid biosynthesis. Journal of Nutritional Science, 2013, 2, e28.	1.9	72
13	Dietary Selenium Levels Affect Selenoprotein Expression and Support the Interferon- β and IL-6 Immune Response Pathways in Mice. Nutrients, 2015, 7, 6529-6549.	4.1	66
14	Selective Restoration of the Selenoprotein Population in a Mouse Hepatocyte Selenoproteinless Background with Different Mutant Selenocysteine tRNAs Lacking Um34. Journal of Biological Chemistry, 2007, 282, 32591-32602.	3.4	63
15	Epigenetic regulation of inflammatory gene expression in macrophages by selenium. Journal of Nutritional Biochemistry, 2015, 26, 138-145.	4.2	60
16	The RNA-binding protein Secisbp2 differentially modulates UGA codon reassignment and RNA decay. Nucleic Acids Research, 2017, 45, 4094-4107.	14.5	56
17	Thioredoxin reductase 1 protects against chemically induced hepatocarcinogenesis via control of cellular redox homeostasis. Carcinogenesis, 2012, 33, 1806-1813.	2.8	54
18	Impaired selenoprotein expression in brain triggers striatal neuronal loss leading to co-ordination defects in mice. Biochemical Journal, 2014, 462, 67-75.	3.7	47

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19	Selenophosphate synthetase 1 deficiency exacerbates osteoarthritis by dysregulating redox homeostasis. <i>Nature Communications</i> , 2022, 13, 779.	12.8	47
20	Inhibition of Cellular Methyltransferases Promotes Endothelial Cell Activation by Suppressing Glutathione Peroxidase 1 Protein Expression. <i>Journal of Biological Chemistry</i> , 2014, 289, 15350-15362.	3.4	45
21	Mouse Models Targeting Selenocysteine tRNA Expression for Elucidating the Role of Selenoproteins in Health and Development. <i>Molecules</i> , 2009, 14, 3509-3527.	3.8	42
22	Selenoproteins regulate stress erythroid progenitors and spleen microenvironment during stress erythropoiesis. <i>Blood</i> , 2018, 131, 2568-2580.	1.4	39
23	The selenocysteine tRNA STAF-binding region is essential for adequate selenocysteine tRNA status, selenoprotein expression and early age survival of mice. <i>Biochemical Journal</i> , 2009, 418, 61-71.	3.7	38
24	The intricate role of selenium and selenoproteins in erythropoiesis. <i>Free Radical Biology and Medicine</i> , 2018, 127, 165-171.	2.9	38
25	Selenophosphate synthetase 1 is an essential protein with roles in regulation of redox homeostasis in mammals. <i>Biochemical Journal</i> , 2016, 473, 2141-2154.	3.7	37
26	The 15kDa Selenoprotein and Thioredoxin Reductase 1 Promote Colon Cancer by Different Pathways. <i>PLoS ONE</i> , 2015, 10, e0124487.	2.5	37
27	Reduced macrophage selenoprotein expression alters oxidized lipid metabolite biosynthesis from arachidonic and linoleic acid. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 647-654.	4.2	35
28	Deficiency of the 15-kDa selenoprotein led to cytoskeleton remodeling and non-apoptotic membrane blebbing through a RhoA/ROCK pathway. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 884-890.	2.1	27
29	Selenoprotein Expression in Macrophages Is Critical for Optimal Clearance of Parasitic Helminth <i>Nippostrongylus brasiliensis</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 2787-2798.	3.4	26
30	Cell Proliferation and Motility Are Inhibited by G1 Phase Arrest in 15-kDa Selenoprotein-Deficient Chang Liver Cells. <i>Molecules and Cells</i> , 2015, 38, 457-465.	2.6	22
31	Selenocysteine tRNA ^{[Ser]Sec} , the Central Component of Selenoprotein Biosynthesis: Isolation, Identification, Modification, and Sequencing. <i>Methods in Molecular Biology</i> , 2018, 1661, 43-60.	0.9	20
32	The zebrafish genome contains two distinct selenocysteine tRNA ^{[Ser]Sec} genes. <i>FEBS Letters</i> , 1999, 454, 16-20.	2.8	19
33	Differences in Redox Regulatory Systems in Human Lung and Liver Tumors Suggest Different Avenues for Therapy. <i>Cancers</i> , 2015, 7, 2262-2276.	3.7	17
34	Prostate Epithelium-Specific Deletion of the Selenocysteine tRNA Gene <i>Trsp</i> Leads to Early Onset Intraepithelial Neoplasia. <i>American Journal of Pathology</i> , 2014, 184, 871-877.	3.8	16
35	Selenium and the 15kDa Selenoprotein Impact Colorectal Tumorigenesis by Modulating Intestinal Barrier Integrity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10651.	4.1	16
36	Protein kinase-regulated expression and immune function of thioredoxin reductase 1 in mouse macrophages. <i>Molecular Immunology</i> , 2011, 49, 311-316.	2.2	12

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37	Selenium-dependent metabolic reprogramming during inflammation and resolution. <i>Journal of Biological Chemistry</i> , 2021, 296, 100410.	3.4	12
38	The Essential Role of Selenoproteins in the Resolution of <i>Citrobacter rodentium</i> -Induced Intestinal Inflammation. <i>Frontiers in Nutrition</i> , 2020, 7, 96.	3.7	11
39	Expression of Selenoproteins Is Maintained in Mice Carrying Mutations in SECp43, the tRNA Selenocysteine 1 Associated Protein (Trna1ap). <i>PLoS ONE</i> , 2015, 10, e0127349.	2.5	11
40	Transfer RNAs That Insert Selenocysteine. <i>Methods in Enzymology</i> , 2002, 347, 24-39.	1.0	10
41	Identification of Signaling Pathways for Early Embryonic Lethality and Developmental Retardation in <i>Sepr1^{-/-}</i> Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11647.	4.1	9
42	Yeast Asparagine (Asn) tRNA without Q Base Promotes Eukaryotic Frameshifting More Efficiently than Mammalian Asn tRNAs with or without Q Base. <i>Molecules and Cells</i> , 2000, 10, 113-118.	2.6	8
43	Constitutive Oxidative Stress by SEPHS1 Deficiency Induces Endothelial Cell Dysfunction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11646.	4.1	8
44	Radioactive ⁷⁵ Se Labeling and Detection of Selenoproteins. <i>Methods in Molecular Biology</i> , 2018, 1661, 177-192.	0.9	7
45	Ribosomal frameshifting in response to hypomodified tRNAs in <i>Xenopus</i> oocytes. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 86-90.	2.1	5
46	Adaptive Thermogenesis in a Mouse Model Lacking Selenoprotein Biosynthesis in Brown Adipocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 611.	4.1	5
47	Female Mice with Selenocysteine tRNA Deletion in <i>Agrp</i> Neurons Maintain Leptin Sensitivity and Resist Weight Gain While on a High-Fat Diet. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11010.	4.1	4
48	The utilization of selenocysteine-tRNA[Ser] ^{Sec} isoforms is regulated in part at the level of translation in vitro. <i>Translation</i> , 2017, 5, e1314240.	2.9	3
49	Yeast Asparagine (Asn) tRNA without Q Base Promotes Eukaryotic Frameshifting More Efficiently than Mammalian Asn tRNAs with or without Q Base. <i>Molecules and Cells</i> , 2000, 10, 113-118.	2.6	1
50	Decreased selenoprotein expression results in an altered immune response post influenza virus infection. <i>FASEB Journal</i> , 2006, 20, .	0.5	0
51	Mammalian thioredoxin reductases: roles in redox homeostasis and analysis of cellular targets. <i>FASEB Journal</i> , 2008, 22, 156.5.	0.5	0