

Bradley

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,408
citations

201385

27
h-index

205818

48
g-index

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. | 3.7 | 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. | 3.3 | 410 |
| 3 | Thioredoxin Reductase 1 Deficiency Reverses Tumor Phenotype and Tumorigenicity of Lung Carcinoma Cells*. Journal of Biological Chemistry, 2006, 281, 13005-13008. | 1.6 | 237 |
| 4 | Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040. | 1.6 | 207 |
| 5 | Glutathione peroxidase 4 and vitamin E cooperatively prevent hepatocellular degeneration. Redox Biology, 2016, 9, 22-31. | 3.9 | 201 |
| 6 | Rabbit β -Globin Is Extended Beyond Its UGA Stop Codon by MultipleSuppressions and Translational Reading Gaps. Biochemistry, 1998, 37, 10866-10870. | 1.2 | 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. | 1.6 | 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. | 1.6 | 129 |
| 9 | Selective Removal of the Selenocysteine tRNA [Ser]Sec Gene (Trsp) in Mouse Mammary Epithelium. Molecular and Cellular Biology, 2003, 23, 1477-1488. | 1.1 | 103 |
| 10 | Crucial Role of Macrophage Selenoproteins in Experimental Colitis. Journal of Immunology, 2014, 193, 3683-3692. | 0.4 | 79 |
| 11 | Selenoproteins regulate macrophage invasiveness and extracellular matrix-related gene expression. BMC Immunology, 2009, 10, 57. | 0.9 | 76 |
| 12 | Regulation of inflammation by selenium and selenoproteins: impact on eicosanoid biosynthesis. Journal of Nutritional Science, 2013, 2, e28. | 0.7 | 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. | 1.7 | 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. | 1.6 | 63 |
| 15 | Epigenetic regulation of inflammatory gene expression in macrophages by selenium. Journal of Nutritional Biochemistry, 2015, 26, 138-145. | 1.9 | 60 |
| 16 | The RNA-binding protein Secisbp2 differentially modulates UGA codon reassignment and RNA decay. Nucleic Acids Research, 2017, 45, 4094-4107. | 6.5 | 56 |
| 17 | Thioredoxin reductase 1 protects against chemically induced hepatocarcinogenesis via control of cellular redox homeostasis. Carcinogenesis, 2012, 33, 1806-1813. | 1.3 | 54 |
| 18 | Impaired selenoprotein expression in brain triggers striatal neuronal loss leading to co-ordination defects in mice. Biochemical Journal, 2014, 462, 67-75. | 1.7 | 47 |

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|----|---|-----|-----------|
| 19 | Selenophosphate synthetase 1 deficiency exacerbates osteoarthritis by dysregulating redox homeostasis. <i>Nature Communications</i> , 2022, 13, 779. | 5.8 | 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. | 1.6 | 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. | 1.7 | 42 |
| 22 | Selenoproteins regulate stress erythroid progenitors and spleen microenvironment during stress erythropoiesis. <i>Blood</i> , 2018, 131, 2568-2580. | 0.6 | 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. | 1.7 | 38 |
| 24 | The intricate role of selenium and selenoproteins in erythropoiesis. <i>Free Radical Biology and Medicine</i> , 2018, 127, 165-171. | 1.3 | 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. | 1.7 | 37 |
| 26 | The 15kDa Selenoprotein and Thioredoxin Reductase 1 Promote Colon Cancer by Different Pathways. <i>PLoS ONE</i> , 2015, 10, e0124487. | 1.1 | 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. | 1.9 | 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. | 1.0 | 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. | 1.6 | 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. | 1.0 | 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. | 0.4 | 20 |
| 32 | The zebrafish genome contains two distinct selenocysteine tRNA ^{[Ser]Sec} genes. <i>FEBS Letters</i> , 1999, 454, 16-20. | 1.3 | 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. | 1.7 | 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. | 1.9 | 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. | 1.8 | 16 |
| 36 | Protein kinase-regulated expression and immune function of thioredoxin reductase 1 in mouse macrophages. <i>Molecular Immunology</i> , 2011, 49, 311-316. | 1.0 | 12 |

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|----|---|-----|-----------|
| 37 | Selenium-dependent metabolic reprogramming during inflammation and resolution. <i>Journal of Biological Chemistry</i> , 2021, 296, 100410. | 1.6 | 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. | 1.6 | 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. | 1.1 | 11 |
| 40 | Transfer RNAs That Insert Selenocysteine. <i>Methods in Enzymology</i> , 2002, 347, 24-39. | 0.4 | 10 |
| 41 | Identification of Signaling Pathways for Early Embryonic Lethality and Developmental Retardation in <i>Septs1</i> ^{-/-} Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11647. | 1.8 | 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. | 1.0 | 8 |
| 43 | Constitutive Oxidative Stress by SEPHS1 Deficiency Induces Endothelial Cell Dysfunction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11646. | 1.8 | 8 |
| 44 | Radioactive ⁷⁵ Se Labeling and Detection of Selenoproteins. <i>Methods in Molecular Biology</i> , 2018, 1661, 177-192. | 0.4 | 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. | 1.0 | 5 |
| 46 | Adaptive Thermogenesis in a Mouse Model Lacking Selenoprotein Biosynthesis in Brown Adipocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 611. | 1.8 | 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. | 1.8 | 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. | 1.0 | 1 |
| 50 | Decreased selenoprotein expression results in an altered immune response post influenza virus infection. <i>FASEB Journal</i> , 2006, 20, . | 0.2 | 0 |
| 51 | Mammalian thioredoxin reductases: roles in redox homeostasis and analysis of cellular targets. <i>FASEB Journal</i> , 2008, 22, 156.5. | 0.2 | 0 |