# Roger A Sunde

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8340705/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 42 papers | 2,122 citations | 257101 24 h-index | 276539 41 g-index |
| 43 all docs | 43 docs citations | 43 times ranked | 1509 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040. | 1.6 | 207 |
| 2 | Selenium status highly regulates selenoprotein mRNA levels for only a subset of the selenoproteins in the selenoproteome. Bioscience Reports, 2009, 29, 329-338. | 1.1 | 165 |
| 3 | Glutathione peroxidase activity in rat lens and other tissues in relation to dietary selenium intake. Experimental Eye Research, 1974, 18, 563-569. | 1.2 | 162 |
| 4 | Selenium Regulation of the Selenoprotein and Nonselenoprotein Transcriptomes in Rodents. Advances in Nutrition, 2011, 2, 138-150. | 2.9 | 142 |
| 5 | Effect of selenium status on mRNA levels for glutathione peroxidase in rat liver. Biochemical and Biophysical Research Communications, 1988, 153, 855-861. | 1.0 | 131 |
| 6 | Transcript Analysis of the Selenoproteome Indicates That Dietary Selenium Requirements of Rats Based on Selenium-Regulated Selenoprotein mRNA Levels Are Uniformly Less Than Those Based on Glutathione Peroxidase Activity. Journal of Nutrition, 2009, 139, 199-206. | 1.3 | 129 |
| 7 | Effect of Dietary Methionine on Utilization of Tissue Selenium from Dietary Selenomethionine for Glutathione Peroxidase in the Rat. Journal of Nutrition, 1988, 118, 367-374. | 1.3 | 85 |
| 8 | Selenium regulation of thioredoxin reductase activity and mRNA levels in rat liver. Journal of Nutritional Biochemistry, 2001, 12, 693-702. | 1.9 | 84 |
| 9 | The Selenium Requirement for Glutathione Peroxidase mRNA Level Is Half of the Selenium Requirement for Glutathione Peroxidase Activity in Female Rats. Journal of Nutrition, 1996, 126, 2260-2267. | 1.3 | 82 |
| 10 | Selenium toxicity but not deficient or super-nutritional selenium status vastly alters the transcriptome in rodents. BMC Genomics, 2011, 12, 26. | 1.2 | 78 |
| 11 | The biochemistry of selenoproteins. JAOCS, Journal of the American Oil Chemists' Society, 1984, 61, 1891-1900. | 0.8 | 75 |
| 12 | Effect of dietary methionine on tissue selenium and glutathione peroxidase (EC 1.11.1.9) activity in rats given selenomethionine. British Journal of Nutrition, 1988, 60, 57-68. | 1.2 | 71 |
| 13 | Dietary selenium regulation of glutathione peroxidase mRNA and other selenium-dependent parameters in male rats. Journal of Nutritional Biochemistry, 1997, 8, 85-91. | 1.9 | 55 |
| 14 | Dietary Selenium Requirements Based on Glutathione Peroxidase-1 Activity and mRNA Levels and Other Se-Dependent Parameters Are Not Increased by Pregnancy and Lactation in Rats. Journal of Nutrition, 2005, 135, 2144-2150. | 1.3 | 47 |
| 15 | Phospholipid hydroperoxide glutathione peroxidase (Gpx4) is highly regulated in male turkey poults and can be used to determine dietary selenium requirements. Experimental Biology and Medicine, 2010, 235, 23-31. | 1.1 | 47 |
| 16 | mRNA transcripts as molecular biomarkers in medicine and nutritionâ˜†. Journal of Nutritional Biochemistry, 2010, 21, 665-670. | 1.9 | 46 |
| 17 | UGA Codon Position Affects the Efficiency of Selenocysteine Incorporation into Glutathione Peroxidase-1. Journal of Biological Chemistry, 1998, 273, 28533-28541. | 1.6 | 42 |
| 18 | Insights for Setting of Nutrient Requirements, Gleaned by Comparison of Selenium Status Biomarkers in Turkeys and Chickens versus Rats, Mice, and Lambs. Advances in Nutrition, 2016, 7, 1129-1138. | 2.9 | 42 |

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|---|---|---|---|
| 19 | Longitudinal selenium status in healthy British adults: assessment using biochemical and molecular biomarkers. British Journal of Nutrition, 2008, 99, S37-S47. | 1.2 | 41 |
| 20 | Selenoprotein Transcript Level and Enzyme Activity as Biomarkers for Selenium Status and Selenium Requirements of Chickens (Gallus gallus). PLoS ONE, 2016, 11, e0152392. | 1.1 | 38 |
| 21 | Effect of Selenium Repletion on Glutathione Peroxidase Protein Level in Rat Liver. Journal of Nutrition, 1988, 118, 853-858. | 1.3 | 31 |
| 22 | Deletion of Thioredoxin Reductase and Effects of Selenite and Selenate Toxicity in Caenorhabditis elegans. PLoS ONE, 2013, 8, e71525. | 1.1 | 29 |
| 23 | Molecular biomarker panels for assessment of selenium status in rats. Experimental Biology and Medicine, 2010, 235, 1046-1052. | 1.1 | 27 |
| 24 | Selenoprotein Transcript Level and Enzyme Activity as Biomarkers for Selenium Status and Selenium Requirements in the Turkey (Meleagris gallopavo). PLoS ONE, 2016, 11, e0151665. | 1.1 | 25 |
| 25 | Selenium regulation of selenoprotein enzyme activity and transcripts in a pilot study with Founder strains from the Collaborative Cross. PLoS ONE, 2018, 13, e0191449. | 1.1 | 25 |
| 26 | Toxic-Selenium and Low-Selenium Transcriptomes in Caenorhabditis elegans: Toxic Selenium Up-Regulates Oxidoreductase and Down-Regulates Cuticle-Associated Genes. PLoS ONE, 2014, 9, e101408. | 1.1 | 23 |
| 27 | Cloning, Sequencing, and Expression of Selenoprotein Transcripts in the Turkey (Meleagris) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T | 1.1 | 21 |
| 28 | Liver Selenium and Testis Phospholipid Hydroperoxide Glutathione Peroxidase Are Associated with Growth during Selenium Repletion of Second-Generation Se-Deficient Male Rats. Journal of Nutrition, 1998, 128, 1289-1295. | 1.3 | 19 |
| 29 | Dietary selenium requirements based on tissue selenium concentration and glutathione peroxidase activities in old female rats. Journal of Trace Elements in Medicine and Biology, 2009, 23, 132-137. | 1.5 | 19 |
| 30 | Blood Glutathione Peroxidase-1 mRNA Levels Can Be Used as Molecular Biomarkers to Determine Dietary Selenium Requirements in Rats. Experimental Biology and Medicine, 2009, 234, 1271-1279. | 1.1 | 19 |
| 31 | Selenium requirements based on muscle and kidney selenoprotein enzyme activity and transcript expression in the turkey poult (Meleagris gallopavo). PLoS ONE, 2017, 12, e0189001. | 1.1 | 17 |
| 32 | Identification and determination of selenocysteine, selenosugar, and other selenometabolites in turkey liver. Metallomics, 2020, 12, 758-766. | 1.0 | 14 |
| 33 | High dietary inorganic selenium has minimal effects on turkeys and selenium status biomarkers. Poultry Science, 2019, 98, 855-865. | 1.5 | 13 |
| 34 | Impact of Glutathione Peroxidase-1 (Gpx1) Genotype on Selenoenzyme and Transcript Expression When Repleting Selenium-Deficient Mice. Biological Trace Element Research, 2018, 186, 174-184. | 1.9 | 12 |
| 35 | Gene Set Enrichment Analysis of Selenium-Deficient and High-Selenium Rat Liver Transcript Expression and Comparison With Turkey Liver Expression. Journal of Nutrition, 2021, 151, 772-784. | 1.3 | 11 |
| 36 | Incorporation of Selenium into Liver Glutathione Peroxidase in the Se-Adequate and Se-Deficient Rat. Experimental Biology and Medicine, 1980, 165, 291-297. | 1.1 | 10 |

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|---|---|---|---|
| 37 | Metabolism of Tracer 75Se Selenium From Inorganic and Organic Selenocompounds Into Selenoproteins in Rats, and the Missing 75Se Metabolites. Frontiers in Nutrition, 2021, 8, 699652. | 1.6 | 10 |
| 38 | Differential protein expression due to Se deficiency and Se toxicity in rat liver. Journal of Nutritional Biochemistry, 2021, 98, 108831. | 1.9 | 8 |
| 39 | Minimum Selenium Requirements Increase When Repleting Second-Generation Selenium-Deficient Rats but Are Not Further Altered by Vitamin E Deficiency. Biological Trace Element Research, 2017, 177, 139-147. | 1.9 | 5 |
| 40 | The hepatic transcriptome of the turkey poult (Meleagris gallopavo) is minimally altered by high inorganic dietary selenium. PLoS ONE, 2020, 15, e0232160. | 1.1 | 4 |
| 41 | Selenium Regulation of the Selenoprotein and Non-selenoprotein Transcriptomes in a Variety of Species. , 2016, , 175-186. | | 2 |
| 42 | Milton L Sunde, PhD: 1921â€“2015. Journal of Nutrition, 2020, 150, 1997-2000. | 1.3 | 0 |