

Aristi P Fernandes

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

3,372
citations

201674

27
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276875

41
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42
all docs

42
docs citations

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times ranked

4747
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Glutaredoxins: Glutathione-Dependent Redox Enzymes with Functions Far Beyond a Simple Thioredoxin Backup System. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 63-74. | 5.4 | 584 |
| 2 | Selenium compounds as therapeutic agents in cancer. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1642-1660. | 2.4 | 329 |
| 3 | Organic selenium compounds as potential chemotherapeutic agents for improved cancer treatment. <i>Free Radical Biology and Medicine</i> , 2018, 127, 80-97. | 2.9 | 220 |
| 4 | Cancer cell death induced by phosphine gold(I) compounds targeting thioredoxin reductase. <i>Biochemical Pharmacology</i> , 2010, 79, 90-101. | 4.4 | 216 |
| 5 | Selenium and the Selenoprotein Thioredoxin Reductase in the Prevention, Treatment and Diagnostics of Cancer. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 867-880. | 5.4 | 157 |
| 6 | Overexpression of glutaredoxin 2 attenuates apoptosis by preventing cytochrome c release. <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 774-779. | 2.1 | 147 |
| 7 | Short interfering RNA-mediated silencing of glutaredoxin 2 increases the sensitivity of HeLa cells toward doxorubicin and phenylarsine oxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13227-13232. | 7.1 | 145 |
| 8 | Extracellular thiol-assisted selenium uptake dependent on the x _c ^â cystine transporter explains the cancer-specific cytotoxicity of selenite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11400-11405. | 7.1 | 145 |
| 9 | A Novel Monothiol Glutaredoxin (Grx4) from <i>Escherichia coli</i> Can Serve as a Substrate for Thioredoxin Reductase. <i>Journal of Biological Chemistry</i> , 2005, 280, 24544-24552. | 3.4 | 129 |
| 10 | Selenite induces apoptosis in sarcomatoid malignant mesothelioma cells through oxidative stress. <i>Free Radical Biology and Medicine</i> , 2006, 41, 874-885. | 2.9 | 116 |
| 11 | Selenium compounds are substrates for glutaredoxins: a novel pathway for selenium metabolism and a potential mechanism for selenium-mediated cytotoxicity. <i>Biochemical Journal</i> , 2010, 429, 85-93. | 3.7 | 107 |
| 12 | Selenium induces a multi-targeted cell death process in addition to ROS formation. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 671-684. | 3.6 | 103 |
| 13 | Cellular and plasma levels of human glutaredoxin 1 and 2 detected by sensitive ELISA systems. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 801-809. | 2.1 | 79 |
| 14 | Expression profiles of thioredoxin family proteins in human lung cancer tissue: correlation with proliferation and differentiation. <i>Histopathology</i> , 2009, 55, 313-320. | 2.9 | 79 |
| 15 | Treatment of human cancer cells with selenite or tellurite in combination with auranofin enhances cell death due to redox shift. <i>Free Radical Biology and Medicine</i> , 2009, 47, 710-721. | 2.9 | 59 |
| 16 | Molecular Mapping of Functionalities in the Solution Structure of Reduced Grx4, a Monothiol Glutaredoxin from <i>Escherichia coli</i> *. <i>Journal of Biological Chemistry</i> , 2005, 280, 24553-24561. | 3.4 | 57 |
| 17 | Metal- and Semimetal-Containing Inhibitors of Thioredoxin Reductase as Anticancer Agents. <i>Molecules</i> , 2015, 20, 12732-12756. | 3.8 | 53 |
| 18 | Alteration of Thioredoxin and Glutaredoxin in the Progression of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 39, 787-797. | 2.6 | 52 |

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|----|---|-----|-----------|
| 19 | Treatment of lung cancer cells with cytotoxic levels of sodium selenite: Effects on the thioredoxin system. <i>Biochemical Pharmacology</i> , 2008, 75, 2092-2099. | 4.4 | 45 |
| 20 | Chelation of lysosomal iron protects against ionizing radiation. <i>Biochemical Journal</i> , 2010, 432, 295-301. | 3.7 | 41 |
| 21 | Protective effects of the thioredoxin and glutaredoxin systems in dopamine-induced cell death. <i>Free Radical Biology and Medicine</i> , 2014, 73, 328-336. | 2.9 | 41 |
| 22 | Selenite is a potent cytotoxic agent for human primary AML cells. <i>Cancer Letters</i> , 2009, 282, 116-123. | 7.2 | 40 |
| 23 | Selenium in the prevention of human cancers. <i>EPMA Journal</i> , 2010, 1, 389-395. | 6.1 | 40 |
| 24 | Methylselenol Formed by Spontaneous Methylation of Selenide Is a Superior Selenium Substrate to the Thioredoxin and Glutaredoxin Systems. <i>PLoS ONE</i> , 2012, 7, e50727. | 2.5 | 38 |
| 25 | Quantification of alternative mRNA species and identification of thioredoxin reductase 1 isoforms in human tumor cells. <i>Differentiation</i> , 2007, 75, 123-132. | 1.9 | 37 |
| 26 | Expression of Thioredoxins and Glutaredoxins in Human Hepatocellular Carcinoma: Correlation to Cell Proliferation, Tumor Size and Metabolic Syndrome. <i>International Journal of Immunopathology and Pharmacology</i> , 2014, 27, 169-183. | 2.1 | 36 |
| 27 | Interaction of selenite and tellurite with thiol-dependent redox enzymes: Kinetics and mitochondrial implications. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1620-1629. | 2.9 | 27 |
| 28 | Effects of redox modulation by inhibition of thioredoxin reductase on radiosensitivity and gene expression. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1593-1605. | 3.6 | 26 |
| 29 | Glutaredoxin mediated redox effects of coenzyme Q10 treatment in type 1 and type 2 diabetes patients. <i>BBA Clinical</i> , 2015, 4, 14-20. | 4.1 | 21 |
| 30 | Novel Methylselenoesters Induce Programed Cell Death via Entosis in Pancreatic Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2849. | 4.1 | 21 |
| 31 | Phenotype-dependent apoptosis signalling in mesothelioma cells after selenite exposure. <i>Journal of Experimental and Clinical Cancer Research</i> , 2009, 28, 92. | 8.6 | 20 |
| 32 | Bacterial thioredoxin and thioredoxin reductase as mediators for epigallocatechin 3-gallate-induced antimicrobial action. <i>FEBS Journal</i> , 2016, 283, 446-458. | 4.7 | 19 |
| 33 | Increased Expression of Specific Thioredoxin Family Proteins; A Pilot Immunohistochemical Study on Human Hepatocellular Carcinoma. <i>International Journal of Immunopathology and Pharmacology</i> , 2007, 20, 17-24. | 2.1 | 17 |
| 34 | A ribonucleotide reductase inhibitor with deoxyribonucleoside-reversible cytotoxicity. <i>Molecular Oncology</i> , 2016, 10, 1375-1386. | 4.6 | 17 |
| 35 | The Reducing Activity of Glutaredoxin 3 toward Cytoplasmic Substrate Proteins Is Restricted by Methionine 43. <i>Biochemistry</i> , 2007, 46, 3366-3377. | 2.5 | 16 |
| 36 | Effects of the antioxidant Pycnogenol [®] on cellular redox systems in U1285 human lung carcinoma cells. <i>FEBS Journal</i> , 2009, 276, 532-540. | 4.7 | 16 |

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|----|--|------|-----------|
| 37 | Novel Methylselenoesters as Antiproliferative Agents. <i>Molecules</i> , 2017, 22, 1288. | 3.8 | 16 |
| 38 | Selenite and methylseleninic acid epigenetically affects distinct gene sets in myeloid leukemia: A genome wide epigenetic analysis. <i>Free Radical Biology and Medicine</i> , 2018, 117, 247-257. | 2.9 | 16 |
| 39 | Methylseleninic Acid Sensitizes Ovarian Cancer Cells to T-Cell Mediated Killing by Decreasing PDL1 and VEGF Levels. <i>Frontiers in Oncology</i> , 2018, 8, 407. | 2.8 | 16 |
| 40 | Activation of TAp73 and inhibition of TrxR by Verteporfin for improved cancer therapy in <i>TP53</i> mutant pancreatic tumors. <i>Future Science OA</i> , 2019, 5, FSO366. | 1.9 | 16 |
| 41 | Heterogeneous Rupturing Dendrimers. <i>Journal of the American Chemical Society</i> , 2017, 139, 17660-17666. | 13.7 | 12 |
| 42 | Chapter 15. Organoselenium Compounds as Cancer Therapeutic Agents. , 0, , 401-435. | | 1 |