Aristi P Fernandes

List of Publications by Year
in descending order

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42 papers	3,372 citations	230014 27 h-index	312153 41 g-index
42 all docs	42 docs citations	42 times ranked	5212 citing authors

#	Article	IF	Citations
1	Activation of TAp73 and inhibition of TrxR by Verteporfin for improved cancer therapy in TP53 mutant pancreatic tumors. Future Science OA, 2019, 5, FSO366.	0.9	16
2	Selenite and methylseleninic acid epigenetically affects distinct gene sets in myeloid leukemia: A genome wide epigenetic analysis. Free Radical Biology and Medicine, 2018, 117, 247-257.	1.3	16
3	Novel Methylselenoesters Induce Programed Cell Death via Entosis in Pancreatic Cancer Cells. International Journal of Molecular Sciences, 2018, 19, 2849.	1.8	21
4	Methylseleninic Acid Sensitizes Ovarian Cancer Cells to T-Cell Mediated Killing by Decreasing PDL1 and VEGF Levels. Frontiers in Oncology, 2018, 8, 407.	1.3	16
5	Organic selenium compounds as potential chemotherapeutic agents for improved cancer treatment. Free Radical Biology and Medicine, 2018, 127, 80-97.	1.3	220
6	Heterogeneous Rupturing Dendrimers. Journal of the American Chemical Society, 2017, 139, 17660-17666.	6.6	12
7	Novel Methylselenoesters as Antiproliferative Agents. Molecules, 2017, 22, 1288.	1.7	16
8	A ribonucleotide reductase inhibitor with deoxyribonucleosideâ€reversible cytotoxicity. Molecular Oncology, 2016, 10, 1375-1386.	2.1	17
9	Bacterial thioredoxin and thioredoxin reductase as mediators for epigallocatechin 3â€gallateâ€induced antimicrobial action. FEBS Journal, 2016, 283, 446-458.	2.2	19
10	Metal- and Semimetal-Containing Inhibitors of Thioredoxin Reductase as Anticancer Agents. Molecules, 2015, 20, 12732-12756.	1.7	53
11	Glutaredoxin mediated redox effects of coenzyme Q10 treatment in type 1 and type 2 diabetes patients. BBA Clinical, 2015, 4, 14-20.	4.1	21
12	Selenium compounds as therapeutic agents in cancer. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1642-1660.	1.1	329
13	Expression of Thioredoxins and Glutaredoxins in Human Hepatocellular Carcinoma: Correlation to Cell Proliferation, Tumor Size and Metabolic Syndrome. International Journal of Immunopathology and Pharmacology, 2014, 27, 169-183.	1.0	36
14	Selenium induces a multiâ€targeted cell death process in addition to <scp>ROS</scp> formation. Journal of Cellular and Molecular Medicine, 2014, 18, 671-684.	1.6	103
15	Protective effects of the thioredoxin and glutaredoxin systems in dopamine-induced cell death. Free Radical Biology and Medicine, 2014, 73, 328-336.	1.3	41
16	Alteration of Thioredoxin and Glutaredoxin in the Progression of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 39, 787-797.	1.2	52
17	Effects of redox modulation by inhibition of thioredoxin reductase on radiosensitivity and gene expression. Journal of Cellular and Molecular Medicine, 2012, 16, 1593-1605.	1.6	26
18	Methylselenol Formed by Spontaneous Methylation of Selenide Is a Superior Selenium Substrate to the Thioredoxin and Glutaredoxin Systems. PLoS ONE, 2012, 7, e50727.	1.1	38

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19	Interaction of selenite and tellurite with thiol-dependent redox enzymes: Kinetics and mitochondrial implications. Free Radical Biology and Medicine, 2011, 50, 1620-1629.	1.3	27
20	Selenium in the prevention of human cancers. EPMA Journal, 2010, 1, 389-395.	3.3	40
21	Cancer cell death induced by phosphine gold(I) compounds targeting thioredoxin reductase. Biochemical Pharmacology, 2010, 79, 90-101.	2.0	216
22	Chelation of lysosomal iron protects against ionizing radiation. Biochemical Journal, 2010, 432, 295-301.	1.7	41
23	Selenium and the Selenoprotein Thioredoxin Reductase in the Prevention, Treatment and Diagnostics of Cancer. Antioxidants and Redox Signaling, 2010, 12, 867-880.	2.5	157
24	Selenium compounds are substrates for glutaredoxins: a novel pathway for selenium metabolism and a potential mechanism for selenium-mediated cytotoxicity. Biochemical Journal, 2010, 429, 85-93.	1.7	107
25	Extracellular thiol-assisted selenium uptake dependent on the x _c ^{â^'} cystine transporter explains the cancer-specific cytotoxicity of selenite. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11400-11405.	3.3	145
26	Treatment of human cancer cells with selenite or tellurite in combination with auranofin enhances cell death due to redox shift. Free Radical Biology and Medicine, 2009, 47, 710-721.	1.3	59
27	Expression profiles of thioredoxin family proteins in human lung cancer tissue: correlation with proliferation and differentiation. Histopathology, 2009, 55, 313-320.	1.6	79
28	Effects of the antioxidant Pycnogenol^{Â®} on cellular redox systems in U1285 human lung carcinoma cells. FEBS Journal, 2009, 276, 532-540.	2.2	16
29	Selenite is a potent cytotoxic agent for human primary AML cells. Cancer Letters, 2009, 282, 116-123.	3.2	40
30	Phenotype-dependent apoptosis signalling in mesothelioma cells after selenite exposure. Journal of Experimental and Clinical Cancer Research, 2009, 28, 92.	3.5	20
31	Treatment of lung cancer cells with cytotoxic levels of sodium selenite: Effects on the thioredoxin system. Biochemical Pharmacology, 2008, 75, 2092-2099.	2.0	45
32	Increased Expression of Specific Thioredoxin Family Proteins; A Pilot Immunohistochemical Study on Human Hepatocellular Carcinoma. International Journal of Immunopathology and Pharmacology, 2007, 20, 17-24.	1.0	17
33	The Reducing Activity of Glutaredoxin 3 toward Cytoplasmic Substrate Proteins Is Restricted by Methionine 43â€. Biochemistry, 2007, 46, 3366-3377.	1.2	16
34	Quantification of alternative mRNA species and identification of thioredoxin reductase 1 isoforms in human tumor cells. Differentiation, 2007, 75, 123-132.	1.0	37
35	Selenite induces apoptosis in sarcomatoid malignant mesothelioma cells through oxidative stress. Free Radical Biology and Medicine, 2006, 41, 874-885.	1.3	116
36	A Novel Monothiol Glutaredoxin (Grx4) from Escherichia coli Can Serve as a Substrate for Thioredoxin Reductase. Journal of Biological Chemistry, 2005, 280, 24544-24552.	1.6	129

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37	Molecular Mapping of Functionalities in the Solution Structure of Reduced Grx4, a Monothiol Glutaredoxin from Escherichia coli*. Journal of Biological Chemistry, 2005, 280, 24553-24561.	1.6	57
38	Overexpression of glutaredoxin 2 attenuates apoptosis by preventing cytochrome c release. Biochemical and Biophysical Research Communications, 2005, 327, 774-779.	1.0	147
39	Short interfering RNA-mediated silencing of glutaredoxin 2 increases the sensitivity of HeLa cells toward doxorubicin and phenylarsine oxide. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13227-13232.	3.3	145
40	Cellular and plasma levels of human glutaredoxin 1 and 2 detected by sensitive ELISA systems. Biochemical and Biophysical Research Communications, 2004, 319, 801-809.	1.0	79
41	Glutaredoxins: Glutathione-Dependent Redox Enzymes with Functions Far Beyond a Simple Thioredoxin Backup System. Antioxidants and Redox Signaling, 2004, 6, 63-74.	2.5	584
42	Chapter 15. Organoselenium Compounds as Cancer Therapeutic Agents. , 0, , 401-435.		1