Alan M Diamond

List of Publications by Year
in descending order

85 papers	3,219 citations	136950 32 h-index	155660 55 g-index
86 all docs	86 docs citations	86 times ranked	3700 citing authors

#	Article	IF	Citations
1	SELENOF is a new tumor suppressor in breast cancer. Oncogene, 2022, 41, 1263-1268.	5.9	11
2	Impact of MnSOD and GPx1 Genotype at Different Levels of Enteral Nutrition Exposure on Oxidative Stress and Mortality: A Post hoc Analysis From the FeDOx Trial. Journal of Parenteral and Enteral Nutrition, 2021, 45, 287-294.	2.6	1
3	Loss of SELENOF Induces the Transformed Phenotype in Human Immortalized Prostate Epithelial Cells. International Journal of Molecular Sciences, 2021, 22, 12040.	4.1	8
4	The Interaction between Dietary Selenium Intake and Genetics in Determining Cancer Risk and Outcome. Nutrients, 2020, 12, 2424.	4.1	16
5	Seleniumâ€binding protein 1 alters energy metabolism in prostate cancer cells. Prostate, 2020, 80, 962-976.	2.3	20
6	Selenoproteins of the Human Prostate: Unusual Properties and Role in Cancer Etiology. Biological Trace Element Research, 2019, 192, 51-59.	3.5	18
7	Interaction of NKX3.1 and SELENOP genotype with prostate cancer recurrence. Prostate, 2019, 79, 462-467.	2.3	5
8	Subcellular compartmentalization of glutathione peroxidase 1 allelic isoforms differentially impact parameters of energy metabolism. Journal of Cellular Biochemistry, 2019, 120, 3393-3400.	2.6	3
9	Correlations of SELENOF and SELENOP genotypes with serum selenium levels and prostate cancer. Prostate, 2018, 78, 279-288.	2.3	23
10	Selenium-Binding Protein 1 in Human Health and Disease. International Journal of Molecular Sciences, 2018, 19, 3437.	4.1	65
11	GPX1 Localizes to the Nucleus in Prostate Epithelium and its Levels are not Associated with Prostate Cancer Recurrence. Antioxidants, 2018, 7, 167.	5.1	5
12	The Impact of Selenium Deficiency on a Sickle Cell Disease Mouse Model. Blood, 2018, 132, 3645-3645.	1.4	1
13	Manganese superoxide dismutase and glutathione peroxidase-1 contribute to the rise and fall of mitochondrial reactive oxygen species which drive oncogenesis. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 628-632.	1.0	77
14	Pharmacological inhibition of LSD1 and mTOR reduces mitochondrial retention and associated ROS levels in the red blood cells of sickle cell disease. Experimental Hematology, 2017, 50, 46-52.	0.4	52
15	Allele-specific interaction between glutathione peroxidase 1 and manganese superoxide dismutase affects the levels of Bcl-2, Sirt3 and E-cadherin. Free Radical Research, 2017, 51, 582-590.	3.3	4
16	Selenium levels in human breast carcinoma tissue are associated with a common polymorphism in the gene for SELENOP (Selenoprotein P). Journal of Trace Elements in Medicine and Biology, 2017, 39, 227-233.	3.0	19
17	Genetic Variations in the Genes for Selenoproteins Implicate the Encoded Proteins in Cancer Etiology. , 2016, , 343-352.		0
18	Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040.	3.4	207

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19	Tumor suppressor PRSS8 targets Sphk1/S1P/Stat3/Akt signaling in colorectal cancer. Oncotarget, 2016, 7, 26780-26792.	1.8	34
20	The Subcellular Location of Selenoproteins and the Impact on Their Function. Nutrients, 2015, 7, 3938-3948.	4.1	31
21	A Critical Role for Cysteine 57 in the Biological Functions of Selenium Binding Protein-1. International Journal of Molecular Sciences, 2015, 16, 27599-27608.	4.1	9
22	Quantitative Proteomic Analysis Reveals That Anti-Cancer Effects of Selenium-Binding Protein 1 In Vivo Are Associated with Metabolic Pathways. PLoS ONE, 2015, 10, e0126285.	2.5	23
23	MnSOD upregulation sustains the Warburg effect via mitochondrial ROS and AMPK-dependent signalling in cancer. Nature Communications, 2015, 6, 6053.	12.8	209
24	Exposure of chronic myelogenous leukemia cells to imatinib results in the post-transcriptional induction of manganese superoxide dismutase. Leukemia and Lymphoma, 2015, 56, 1096-1099.	1.3	2
25	Evidence That Selenium Binding Protein 1 Is a Tumor Suppressor in Prostate Cancer. PLoS ONE, 2015, 10, e0127295.	2.5	33
26	MnSOD/SOD2 upregulation sustains the Warburg effect via mitochondrial ROS and AMPKâ€dependent signaling in cancer. FASEB Journal, 2015, 29, 884.62.	0.5	1
27	Disease Associated Variations in Glutathione Peroxidaseâ€1 Affect Its Subcellular Localization and Function. FASEB Journal, 2015, 29, 759.6.	0.5	0
28	L-Selenomethionine Does Not Protect Against Testosterone Plus 17Î²-Estradiol-Induced Oxidative Stress and Preneoplastic Lesions in the Prostate of NBL Rats. Nutrition and Cancer, 2014, 66, 825-834.	2.0	8
29	Molecular crossâ€talk between members of distinct families of selenium containing proteins. Molecular Nutrition and Food Research, 2014, 58, 117-123.	3.3	28
30	Natural Allelic Variations in Glutathione Peroxidase-1 Affect Its Subcellular Localization and Function. Cancer Research, 2014, 74, 5118-5126.	0.9	27
31	Translational Regulation of GPx-1 and GPx-4 by the mTOR Pathway. PLoS ONE, 2014, 9, e93472.	2.5	16
32	It takes 2 antioxidants to tango: the interaction between manganese superoxide dismutase and glutathione peroxidase-1. Turkish Journal of Biology, 2014, 38, 748-753.	0.8	2
33	Selenium-binding protein 1 as a tumor suppressor and a prognostic indicator of clinical outcome. Biomarker Research, 2013, 1, 15.	6.8	27
34	Does a role for selenium in DNA damage repair explain apparent controversies in its use in chemoprevention?. Mutagenesis, 2013, 28, 127-134.	2.6	74
35	Low doses of selenium specifically stimulate the repair of oxidative DNA damage in LNCaP prostate cancer cells. Free Radical Research, 2012, 46, 105-116.	3.3	50
36	Inverse association between glutathione peroxidase activity and both seleniumâ€binding protein 1 levels and gleason score in human prostate tissue. Prostate, 2012, 72, 1006-1012.	2.3	40

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37	Polymorphisms in Selenoprotein Genes and Cancer. , 2011, , 345-354.		1
38	Dietary supplements and human health: For better or for worse?. Molecular Nutrition and Food Research, 2011, 55, 122-135.	3.3	41
39	Changes in the activity of the GPx-1 anti-oxidant selenoenzyme in mononuclear cells following imatinib treatment. Leukemia Research, 2011, 35, 831-833.	0.8	4
40	Serum Selenium, Genetic Variation in Selenoenzymes, and Risk of Colorectal Cancer: Primary Analysis from the Women's Health Initiative Observational Study and Meta-analysis. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 1822-1830.	2.5	33
41	Loss of Heterozygosity at the Glutathione Peroxidase 1 Locus Is Not an Early Event in Colon Carcinogenesis. Genes and Cancer, 2011, 2, 910-913.	1.9	4
42	Selenium, but Not Lycopene or Vitamin E, Decreases Growth of Transplantable Dunning R3327-H Rat Prostate Tumors. PLoS ONE, 2010, 5, e10423.	2.5	31
43	Functional and physical interaction between the selenium-binding protein 1 (SBP1) and the glutathione peroxidase 1 selenoprotein. Carcinogenesis, 2010, 31, 1360-1366.	2.8	75
44	Molecular Consequences of Genetic Variations in the Glutathione Peroxidase 1 Selenoenzyme. Cancer Research, 2009, 69, 8183-8190.	0.9	47
45	Physical activity reduces prostate carcinogenesis in a transgenic model. Prostate, 2009, 69, 1372-1377.	2.3	41
46	Molecular mechanisms by which selenoproteins affect cancer risk and progression. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 1546-1554.	2.4	85
47	Selenoprotein deficiency enhances radiationâ€induced micronuclei formation. Molecular Nutrition and Food Research, 2008, 52, 1300-1304.	3.3	46
48	Enhanced discrimination of single nucleotide polymorphism in genotyping by phosphorothioate proofreading allele-specific amplification. Analytical Biochemistry, 2007, 369, 54-59.	2.4	15
49	Selenium and GPx-1 overexpression protect mammalian cells against UV-induced DNA damage. Biological Trace Element Research, 2007, 115, 227-241.	3.5	89
50	A role for selenoproteins in prostate cancer prevention. FASEB Journal, 2007, 21, A106.	0.5	0
51	Selenium and GPx-1 overexpression protect mammalian cells against UV-induced DNA damage. Biological Trace Element Research, 2007, 115, 227-241.	3.5	3
52	Selenoprotein deficiency accelerates prostate carcinogenesis in a transgenic model. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8179-8184.	7.1	126
53	Selenium and overâ€expression of GPxâ€1 protect cultured cells against DNA damage. FASEB Journal, 2006, 20, A1069.	0.5	0
54	Selenoprotein deficiency increases prostate carcinogenesis in a transgenic mouse model. FASEB Journal, 2006, 20, .	0.5	0

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55	Allelic Loss of the Gene for the GPX1 Selenium-Containing Protein Is a Common Event in Cancer. Journal of Nutrition, 2005, 135, 3021S-3024S.	2.9	63
56	The Link between Selenium and Chemoprevention: A Case for Selenoproteins. Journal of Nutrition, 2004, 134, 2899-2902.	2.9	88
57	On the road to selenocysteine. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13395-13396.	7.1	7
58	A regulatory role for Sec tRNA[Ser]Sec in selenoprotein synthesis. Rna, 2004, 10, 1142-1152.	3.5	40
59	GPx-1 modulates Akt and P70S6K phosphorylation and Gadd45 levels in MCF-7 cells. Free Radical Biology and Medicine, 2004, 37, 187-195.	2.9	36
60	Allelic Loss at the GPx-1 Locus in Cancer of the Head and Neck. Biological Trace Element Research, 2004, 101, 097-106.	3.5	45
61	GPx-1 modulates Akt and P70S6K phosphorylation and Gadd45 levels in MCF-7 cells. Free Radical Biology and Medicine, 2004, 37, 187-187.	2.9	2
62	Selenoprotein-Deficient Transgenic Mice Exhibit Enhanced Exercise-Induced Muscle Growth. Journal of Nutrition, 2003, 133, 3091-3097.	2.9	74
63	Role of glutathione peroxidase 1 in breast cancer: loss of heterozygosity and allelic differences in the response to selenium. Cancer Research, 2003, 63, 3347-51.	0.9	236
64	Genetic and Functional Analysis of Mammalian Sep15 Selenoprotein. Methods in Enzymology, 2002, 347, 187-197.	1.0	25
65	Selenium Influences the Turnover of Selenocysteine tRNA[Ser]Sec in Chinese Hamster Ovary Cells. Journal of Nutrition, 2002, 132, 1830-1835.	2.9	16
66	Glutathione peroxidase and viral replication: Implications for viral evolution and chemoprevention. BioFactors, 2001, 14, 205-210.	5.4	26
67	Selective Inhibition of Selenocysteine tRNA Maturation and Selenoprotein Synthesis in Transgenic Mice Expressing Isopentenyladenosine-Deficient Selenocysteine tRNA. Molecular and Cellular Biology, 2001, 21, 3840-3852.	2.3	124
68	Multiple levels of regulation of selenoprotein biosynthesis revealed from the analysis of human glioma cell lines. Biochemical Pharmacology, 2000, 60, 489-497.	4.4	14
69	Structure-Expression Relationships of the 15-kDa Selenoprotein Gene. Journal of Biological Chemistry, 2000, 275, 35540-35547.	3.4	145
70	Infratentorial and supratentorial leukoencephalopathy associated with vitamin B12 deficiency. Journal of Stroke and Cerebrovascular Diseases, 2000, 9, 136-138.	1.6	8
71	Selenium Metabolism in Drosophila. Journal of Biological Chemistry, 1999, 274, 18729-18734.	3.4	12
72	Analysis of selenocysteine (Sec) tRNA[Ser]Sec genes in Chinese hamsters. Gene, 1999, 239, 49-53.	2.2	4

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73	Antioxidant Defenses Influence HIV-1 Replication and Associated Cytopathic Effects. Free Radical Biology and Medicine, 1998, 24, 1485-1491.	2.9	55
74	Effects of 1,2-naphthoquinones on human tumor cell growth and lack of cross-resistance with other anticancer agents. Anti-Cancer Drugs, 1998, 9, 437-448.	1.4	40
75	Overproduction of selenocysteine tRNA in Chinese hamster ovary cells following transfection of the mouse tRNA[Ser]Sec gene. Rna, 1998, 4, 1436-1443.	3.5	20
76	The inhibition of radiation-induced mutagenesis by the combined effects of selenium and the aminothiol WR-1065. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 356, 147-154.	1.0	42
77	Effects of selenium on glutathione peroxidase activity and radioprotection in mammalian cells. Radiation Oncology Investigations, 1995, 3, 383-386.	0.9	9
78	Sequence and unusual 3â€² flanking region of the rat tRNA[Ser]Sec gene. Gene, 1995, 164, 375-376.	2.2	2
79	A pseudogene for human glutathione peroxidase. Gene, 1992, 122, 377-380.	2.2	11
80	Differential retention of tumor- and differentiation-suppressor functions in cells derived from a human squamous cell carcinoma. Molecular Carcinogenesis, 1992, 5, 278-285.	2.7	1
81	Selenium induces changes in the selenocysteine tRNA[Ser]Secpopulation in mammalian cells. Nucleic Acids Research, 1991, 19, 939-943.	14.5	89
82	Radioresistant derivatives of an X-ray-senstive CHO cell line exhibit distinct patterns of sensitivity to DNA-damaging agents. Carcinogenesis, 1990, 11, 1265-1269.	2.8	14
83	Alterations in transformation efficiency by the ADPRT-inhibitor 3-aminobenzamide are oncogene specific. Carcinogenesis, 1989, 10, 383-385.	2.8	11
84	[30] Methods of RNA sequence analysis. Methods in Enzymology, 1983, 100, 431-453.	1.0	10
85	Structure and properties of a bovine liver UGA suppressor serine tRNA with a tryptophan anticodon. Cell, 1981, 25, 497-506.	28.9	149