Stephen S Leonard

List of Publications by Year
in descending order

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Version: 2024-02-01

65 papers	6,149 citations	101384 36 h-index	128067 60 g-index
66 all docs	66 docs citations	66 times ranked	8544 citing authors

#	Article	IF	Citations
1	Toxicology of flavoring- and cannabis-containing e-liquids used in electronic delivery systems. , 2021, 224, 107838.		43
2	Biological effects of inhaled hydraulic fracturing sand dust. III. Cytotoxicity and pro-inflammatory responses in cultured murine macrophage cells. Toxicology and Applied Pharmacology, 2020, 408, 115281.	1.3	14
3	An integrated electrolysis â€“ electrospray â€“ ionization antimicrobial platform using Engineered Water Nanostructures (EWNS) for food safety applications. Food Control, 2018, 85, 151-160.	2.8	34
4	Assessment of reactive oxygen species generated by electronic cigarettes using acellular and cellular approaches. Journal of Hazardous Materials, 2018, 344, 549-557.	6.5	77
5	Comparison of the toxicity of sintered and unsintered indium-tin oxide particles in murine macrophage and epidermal cells. Toxicology and Applied Pharmacology, 2017, 331, 85-93.	1.3	7
6	Role of engineered metal oxide nanoparticle agglomeration in reactive oxygen species generation and cathepsin B release in NLRP3 inflammasome activation and pulmonary toxicity. Inhalation Toxicology, 2016, 28, 686-697.	0.8	29
7	Intravenous and Gastric Cerium Dioxide Nanoparticle Exposure Disrupts Microvascular Smooth Muscle Signaling. Toxicological Sciences, 2015, 144, 77-89.	1.4	29
8	Temporal Changes in Rat Liver Gene Expression after Acute Cadmium and Chromium Exposure. PLoS ONE, 2015, 10, e0127327.	1.1	33
9	A Comparison of Cytotoxicity and Oxidative Stress from Welding Fumes Generated with a New Nickel-, Copper-Based Consumable versus Mild and Stainless Steel-Based Welding in RAW 264.7 Mouse Macrophages. PLoS ONE, 2014, 9, e101310.	1.1	40
10	Cytotoxicity and Characterization of Particles Collected From an Indiumâ€“Tin Oxide Production Facility. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 1193-1209.	1.1	30
11	Generation of Reactive Oxygen Species from Silicon Nanowires. Environmental Health Insights, 2014, 8s1, EHI.S15261.	0.6	7
12	Glutathione conjugation of busulfan produces a hydroxyl radical-trapping dehydroalanine metabolite. Xenobiotica, 2012, 42, 1170-1177.	0.5	6
13	Inhibition of xanthine oxidase reduces oxidative stress and improves skeletal muscle function in response to electrically stimulated isometric contractions in aged mice. Free Radical Biology and Medicine, 2011, 51, 38-52.	1.3	68
14	Comparison of stainless and mild steel welding fumes in generation of reactive oxygen species. Particle and Fibre Toxicology, 2010, 7, 32.	2.8	69
15	Analysis of Freeâ€Radical Scavenging of Yerba Mate (Ilex paraguriensis) using Electron Spin Resonance and Radicalâ€Induced DNA Damage. Journal of Food Science, 2010, 75, C14-20.	1.5	19
16	Concept of Assessing Nanoparticle Hazards Considering Nanoparticle Dosemetric and Chemical/Biological Response Metrics. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 445-461.	1.1	227
17	Shape-Enhanced Photocatalytic Activity of Single-Crystalline Anatase TiO₂ (101) Nanobelts. Journal of the American Chemical Society, 2010, 132, 6679-6685.	6.6	680
18	Comparison of Free Radical Generation by Pre- and Post-Sintered Cemented Carbide Particles. Journal of Occupational and Environmental Hygiene, 2009, 7, 23-34.	0.4	15

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19	Diabetic cardiomyopathy-associated dysfunction in spatially distinct mitochondrial subpopulations. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H359-H369.	1.5	122
20	Particle size-dependent radical generation from wildland fire smoke. Toxicology, 2007, 236, 103-113.	2.0	72
21	Essiac tea: Scavenging of reactive oxygen species and effects on DNA damage. Journal of Ethnopharmacology, 2006, 103, 288-296.	2.0	49
22	S-Nitrosylation of Bcl-2 Inhibits Its Ubiquitin-Proteasomal Degradation. Journal of Biological Chemistry, 2006, 281, 34124-34134.	1.6	177
23	Effect of stainless steel manual metal arc welding fume on free radical production, DNA damage, and apoptosis induction. Molecular and Cellular Biochemistry, 2005, 279, 17-23.	1.4	59
24	Blackberry Extracts Inhibit Activating Protein 1 Activation and Cell Transformation by Perturbing the Mitogenic Signaling Pathway. Nutrition and Cancer, 2004, 50, 80-89.	0.9	35
25	Cadmium inhibits the electron transfer chain and induces Reactive Oxygen Species. Free Radical Biology and Medicine, 2004, 36, 1434-1443.	1.3	567
26	Metal-induced oxidative stress and signal transduction. Free Radical Biology and Medicine, 2004, 37, 1921-1942.	1.3	532
27	Metal-induced toxicity, carcinogenesis, mechanisms and cellular responses. Molecular and Cellular Biochemistry, 2004, 255, 3-10.	1.4	105
28	Arsenite induces HIF-1Î± and VEGF through PI3K, Akt and reactive oxygen species in DU145 human prostate carcinoma cells. Molecular and Cellular Biochemistry, 2004, 255, 33-45.	1.4	117
29	Role of reactive oxygen species and Cr(VI) in Ras-mediated signal transduction. Molecular and Cellular Biochemistry, 2004, 255, 119-127.	1.4	28
30	PbCrO4mediates cellular responses via reactive oxygen species. Molecular and Cellular Biochemistry, 2004, 255, 171-179.	1.4	50
31	Metal composition and solubility determine lung toxicity induced by residual oil fly ash collected from different sites within a power plant. Molecular and Cellular Biochemistry, 2004, 255, 257-265.	1.4	28
32	Role of reactive oxygen species and MAPKs in vanadate-induced G2/M phase arrest. Free Radical Biology and Medicine, 2003, 34, 1333-1342.	1.3	134
33	Resveratrol scavenges reactive oxygen species and effects radical-induced cellular responses. Biochemical and Biophysical Research Communications, 2003, 309, 1017-1026.	1.0	577
34	Activation of JNK by Vanadate Induces a Fas-associated Death Domain (FADD)-dependent Death of Cerebellar Granule Progenitors in Vitro. Journal of Biological Chemistry, 2003, 278, 4542-4551.	1.6	36
35	Protective Roles of NF-ÎºB for Chromium(VI)-induced Cytotoxicity Is Revealed by Expression of IÎºB Kinase-Î² Mutant. Journal of Biological Chemistry, 2002, 277, 3342-3349.	1.6	32
36	p38 Signaling-mediated Hypoxia-inducible Factor 1Î± and Vascular Endothelial Growth Factor Induction by Cr(VI) in DU145 Human Prostate Carcinoma Cells. Journal of Biological Chemistry, 2002, 277, 45041-45048.	1.6	119

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37	Vanadate-induced Expression of Hypoxia-inducible Factor 1Î± and Vascular Endothelial Growth Factor through Phosphatidylinositol 3-Kinase/Akt Pathway and Reactive Oxygen Species. Journal of Biological Chemistry, 2002, 277, 31963-31971.	1.6	179
38	Generation of reactive oxygen species in the enzymatic reduction of PbCrO4and related DNA damage. , 2002, , 309-315.		12
39	Differential role of hydrogen peroxide in UV-induced signal transduction. Molecular and Cellular Biochemistry, 2002, 234/235, 81-90.	1.4	45
40	Generation of reactive oxygen species in the enzymatic reduction of PbCrO4 and related DNA damage. Molecular and Cellular Biochemistry, 2002, 234/235, 309-315.	1.4	15
41	Title is missing!. Molecular and Cellular Biochemistry, 2002, 234/235, 369-377.	1.4	12
42	Differential role of hydrogen peroxide in UV-induced signal transduction. , 2002, , 81-90.		4
43	Antioxidant properties of fruit and vegetable juices: more to the story than ascorbic acid. Annals of Clinical and Laboratory Science, 2002, 32, 193-200.	0.2	39
44	Generation of reactive oxygen species in the enzymatic reduction of PbCrO4 and related DNA damage. Molecular and Cellular Biochemistry, 2002, 234-235, 309-15.	1.4	11
45	In vivo bioassays of acute asbestosis and its correlation with ESR spectroscopy and imaging in redox status. Molecular and Cellular Biochemistry, 2002, 234-235, 369-77.	1.4	8
46	Differential role of hydrogen peroxide in UV-induced signal transduction. Molecular and Cellular Biochemistry, 2002, 234-235, 81-90.	1.4	16
47	Vanadate-Induced Cell Growth Regulation and the Role of Reactive Oxygen Species. Archives of Biochemistry and Biophysics, 2001, 392, 311-320.	1.4	119
48	Cr(VI) increases tyrosine phosphorylation through reactive oxygen species-mediated reactions. Molecular and Cellular Biochemistry, 2001, 222, 199-204.	1.4	35
49	Title is missing!. Molecular and Cellular Biochemistry, 2001, 222, 221-229.	1.4	46
50	CR (VI) induces cell growth arrest through hydrogen peroxideâ€•mediated reactions. Molecular and Cellular Biochemistry, 2001, 222, 77-83.	1.4	49
51	UV Induces Phosphorylation of Protein Kinase B (Akt) at Ser-473 and Thr-308 in Mouse Epidermal Cl 41 Cells through Hydrogen Peroxide. Journal of Biological Chemistry, 2001, 276, 40234-40240.	1.6	86
52	Vanadium-induced Nuclear Factor of Activated T Cells Activation through Hydrogen Peroxide. Journal of Biological Chemistry, 2001, 276, 22397-22403.	1.6	72
53	Cr (VI) induces cell growth arrest through hydrogen peroxide-mediated reactions. , 2001, , 77-83.		14
54	On the mechanism of Cr (VI)-induced carcinogenesis: Dose dependence of uptake and cellular responses. , 2001, , 221-229.		4

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55	Cr (Vi) Increases Tyrosine Phosphorylation Through Reactive Oxygen Species-Mediated Reactions. , 2001, , 199-204.		0
56	Wood smoke particles generate free radicals and cause lipid peroxidation, DNA damage, NFÎºB activation and TNF-Î± release in macrophages. Toxicology, 2000, 150, 147-157.	2.0	96
57	The role of hydroxyl radical as a messenger in Cr(VI)-induced p53 activation. American Journal of Physiology - Cell Physiology, 2000, 279, C868-C875.	2.1	114
58	Vanadate Induces p53 Transactivation through Hydrogen Peroxide and Causes Apoptosis. Journal of Biological Chemistry, 2000, 275, 32516-32522.	1.6	163
59	Vanadate-induced activation of activator protein-1: role of reactive oxygen species. Carcinogenesis, 1999, 20, 663-668.	1.3	98
60	Role of Reactive Oxygen Species and p53 in Chromium(VI)-induced Apoptosis. Journal of Biological Chemistry, 1999, 274, 34974-34980.	1.6	258
61	Cr(IV) causes activation of nuclear transcription factor-ÎºB, DNA strand breaks and dG hydroxylation via free radical reactions. Journal of Inorganic Biochemistry, 1999, 75, 37-44.	1.5	80
62	The role of hydroxyl radical as a messenger in the activation of nuclear transcription factor NF-kappaB. Molecular and Cellular Biochemistry, 1999, 194, 63-70.	1.4	80
63	Antioxidant properties of aspirin: characterization of the ability of aspirin to inhibit silica-induced lipid peroxidation, DNA damage, NF-kappaB activation, and TNF-alpha production. Molecular and Cellular Biochemistry, 1999, 199, 93-102.	1.4	125
64	Vanadate induces apoptosis in epidermal JB6 P+ cells via hydrogen peroxide-mediated reactions. Molecular and Cellular Biochemistry, 1999, 202, 9-17.	1.4	49
65	Cr(III)-mediated hydroxyl radical generation via Haber-Weiss cycle. Journal of Inorganic Biochemistry, 1998, 69, 263-268.	1.5	24