Stephen C Bondy

List of Publications by Year
in descending order

74 papers	5,567 citations	126858 33 h-index	98753 67 g-index
79 all docs	79 docs citations	79 times ranked	7117 citing authors

#	Article	IF	Citations
1	Evaluation of the probe 2',7'-dichlorofluorescin as an indicator of reactive oxygen species formation and oxidative stress. Chemical Research in Toxicology, 1992, 5, 227-231.	1.7	2,374
2	Sensitive and rapid quantitation of oxygen reactive species formation in rat synaptosomes. Neurochemistry International, 1990, 17, 435-440.	1.9	303
3	The neurotoxicity of environmental aluminum is still an issue. NeuroToxicology, 2010, 31, 575-581.	1.4	257
4	Low levels of aluminum can lead to behavioral and morphological changes associated with Alzheimer's disease and age-related neurodegeneration. NeuroToxicology, 2016, 52, 222-229.	1.4	184
5	Prolonged exposure to low levels of aluminum leads to changes associated with brain aging and neurodegeneration. Toxicology, 2014, 315, 1-7.	2.0	138
6	Promotion of transition metal-induced reactive oxygen species formation by Î²-amyloid. Brain Research, 1998, 799, 91-96.	1.1	137
7	Oxidative Basis of Manganese Neurotoxicity. Annals of the New York Academy of Sciences, 2004, 1012, 129-141.	1.8	114
8	Aluminum and copper in drinking water enhance inflammatory or oxidative events specifically in the brain. Journal of Neuroimmunology, 2006, 176, 16-23.	1.1	110
9	Dietary supplementation with melatonin reduces levels of amyloid beta-peptides in the murine cerebral cortex. Journal of Pineal Research, 2004, 36, 224-231.	3.4	100
10	Mechanisms by which metals promote events connected to neurodegenerative diseases. Brain Research Bulletin, 2001, 55, 125-132.	1.4	97
11	Age-related changes in serum melatonin in mice: higher levels of combined melatonin and 6-hydroxymelatonin sulfate in the cerebral cortex than serum, heart, liver and kidney tissues. Journal of Pineal Research, 2004, 36, 217-223.	3.4	87
12	Telomere shortening during aging: Attenuation by antioxidants and anti-inflammatory agents. Mechanisms of Ageing and Development, 2017, 164, 61-66.	2.2	82
13	Aluminum-induced oxidative events in cell lines: glioma are more responsive than neuroblastoma. Free Radical Biology and Medicine, 1999, 26, 1166-1171.	1.3	79
14	Differential Toxicity of Aluminum Salts in Human Cell Lines of Neural Origin: Implications for Neurodegeneration. NeuroToxicology, 2001, 22, 63-71.	1.4	74
15	Oxidative damage and cerebral aging. Progress in Neurobiology, 1992, 38, 601-609.	2.8	70
16	Aluminum and copper interact in the promotion of oxidative but not inflammatory events: Implications for Alzheimer's disease. Journal of Alzheimer's Disease, 2003, 5, 31-38.	1.2	68
17	The stabilization of ferrous iron by a toxic Î²-amyloid fragment and by an aluminum salt. Brain Research, 1999, 839, 221-226.	1.1	65
18	Developmental neurotoxicology. Journal of Neuroscience Research, 2005, 81, 605-612.	1.3	64

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19	The promotion of iron-induced generation of reactive oxygen species in nerve tissue by aluminum. Molecular and Chemical Neuropathology, 1996, 27, 185-194.	1.0	63
20	Effects of age and dietary antioxidants on cerebral electron transport chain activity. Neurobiology of Aging, 2001, 22, 629-634.	1.5	61
21	Environmental and Dietary Exposure to Copper and Its Cellular Mechanisms Linking to Alzheimerâ€™s Disease. Toxicological Sciences, 2018, 163, 338-345.	1.4	59
22	Pro-inflammatory effects of aluminum in human glioblastoma cells. Brain Research, 2002, 933, 60-65.	1.1	55
23	Mechanisms Underlying Tumor Suppressive Properties of Melatonin. International Journal of Molecular Sciences, 2018, 19, 2205.	1.8	53
24	Water Quality and Brain Function. International Journal of Environmental Research and Public Health, 2018, 15, 2.	1.2	52
25	Aluminum but not iron treatment induces pro-oxidant events in the rat brain. Molecular and Chemical Neuropathology, 1998, 34, 219-232.	1.0	48
26	Increased oxidative stress, inflammation, and glutamate: Potential preventive and therapeutic targets for hearing disorders. Mechanisms of Ageing and Development, 2020, 185, 111191.	2.2	45
27	Ageâ€related changes in murine CNS mRNA gene expression are modulated by dietary melatonin. Journal of Pineal Research, 2004, 36, 165-170.	3.4	44
28	Melatonin and the aging brain. Neurochemistry International, 2007, 50, 571-580.	1.9	44
29	Common biochemical defects linkage between post-traumatic stress disorders, mild traumatic brain injury (TBI) and penetrating TBI. Brain Research, 2015, 1599, 103-114.	1.1	44
30	Dietary melatonin selectively reverses age-related changes in cortical cytokine mRNA levels, and their responses to an inflammatory stimulus. Neurobiology of Aging, 2002, 23, 633-638.	1.5	42
31	Persistent protein damage despite reduced oxygen radical formation in the aging rat brain. International Journal of Developmental Neuroscience, 1991, 9, 139-146.	0.7	38
32	Effects of melatonin and age on gene expression in mouse CNS using microarray analysis. Neurochemistry International, 2007, 50, 336-344.	1.9	37
33	Dietary modulation of age-related changes in cerebral pro-oxidant status. Neurochemistry International, 2002, 40, 123-130.	1.9	33
34	Exposure to ambient ultrafine particulate matter alters the expression of genes in primary human neurons. NeuroToxicology, 2017, 58, 50-57.	1.4	30
35	Disruption of the potential across the synaptosomal plasma membrane and mitochondria by neurotoxic agents. Toxicology Letters, 1991, 58, 13-21.	0.4	23
36	Decrease of Glial Fibrillary Acidic Protein in Rat Frontal Cortex Following Aluminum Treatment. Journal of Neurochemistry, 2002, 73, 1609-1614.	2.1	23

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37	Anthropogenic pollutants may increase the incidence of neurodegenerative disease in an aging population. Toxicology, 2016, 341-343, 41-46.	2.0	22
38	Elevation of cerebral proteases after systemic administration of aluminum. Neurochemistry International, 1998, 33, 277-282.	1.9	21
39	Oxidative and Inflammatory Events in Prion Diseases: Can They Be Therapeutic Targets?. Current Aging Science, 2019, 11, 216-225.	0.4	21
40	Melatonin, Metals, and Gene Expression: Implications in Aging and Neurodegenerative Disorders. Annals of the New York Academy of Sciences, 2004, 1035, 216-230.	1.8	20
41	MicroRNAs in Hearing Disorders: Their Regulation by Oxidative Stress, Inflammation and Antioxidants. Frontiers in Cellular Neuroscience, 2017, 11, 276.	1.8	20
42	Inhibition of Early Upstream Events in Prodromal Alzheimerâ€™s Disease by Use of Targeted Antioxidants. Current Aging Science, 2014, 7, 77-90.	0.4	19
43	Aluminum and Neurodegenerative Diseases. Advances in Neurotoxicology, 2017, 1, 131-156.	0.7	17
44	Ethanol-Induced Oxidative Stress and Nutritional Status. Alcoholism: Clinical and Experimental Research, 1993, 17, 651-654.	1.4	16
45	Melatonin and Regulation of Immune Function: Impact on Numerous Diseases. Current Aging Science, 2020, 13, 92-101.	0.4	15
46	Distinctive cellular response to aluminum based adjuvants. Environmental Toxicology and Pharmacology, 2020, 78, 103404.	2.0	15
47	Nanoparticles and Colloids as Contributing Factors in Neurodegenerative Disease. International Journal of Environmental Research and Public Health, 2011, 8, 2200-2211.	1.2	13
48	Extended exposure to dietary melatonin reduces tumor number and size in aged male mice. Experimental Gerontology, 2011, 46, 18-22.	1.2	12
49	Melatonin Causes Gene Expression in Aged Animals to Respond to Inflammatory Stimuli in a Manner Differing from that of Young Animals. Current Aging Science, 2008, 1, 152-158.	0.4	12
50	Inhibition of Early Biochemical Defects in Prodromal Huntingtonâ€™s disease by Simultaneous Activation of Nrf2 and Elevation of Multiple Micronutrients. Current Aging Science, 2015, 9, 61-70.	0.4	11
51	Low concentrations of copper in drinking water increase AP-1 binding in the brain. Toxicology and Industrial Health, 2015, 31, 1178-1184.	0.6	11
52	Aspects of the immune system that impact brain function. Journal of Neuroimmunology, 2020, 340, 577167.	1.1	10
53	Effect of triethyl lead chloride on Î´â€aminolevulinic acid dehydratase. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1986, 18, 639-649.	1.1	9
54	Melatonin Alters Age-Related Changes in Transcription Factors and Kinase Activation. Neurochemical Research, 2010, 35, 2035-2042.	1.6	9

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55	Metal toxicity and neuroinflammation. Current Opinion in Toxicology, 2021, 26, 8-13.	2.6	9
56	SUPPRESSION OF HIPPOCAMPAL EPILEPTIFORM ACTIVITY IN VITRO AFTER LASER EXPOSURE. Laser Therapy, 1989, 1, 19-21.	0.8	7
57	Oxidative and Inflammatory Properties of Aluminum: Possible Relevance in Alzheimerâ€™s Disease. , 2001, , 311-321.		6
58	Parallel changes in gene expression in aged human and mouse cortex. Neuroscience Letters, 2005, 390, 4-8.	1.0	6
59	Dietary Î±-tocopherol content modulates responses to moderate ethanol consumption. Environmental Toxicology and Pharmacology, 1996, 1, 45-49.	2.0	5
60	Exposure of mice to tobacco smoke attenuates the toxic effect of methamphetamine on dopamine systems. Toxicology Letters, 2000, 118, 43-46.	0.4	5
61	Metal Toxicity, Inflammation and Oxidative Stress. Oxidative Stress in Applied Basic Research and Clinical Practice, 2016, , 3-16.	0.4	4
62	Alternatives to Insulin for the Regulation of Blood Sugar Levels in Type 2 Diabetes. International Journal of Molecular Sciences, 2020, 21, 8302.	1.8	4
63	Electronic cigarette aerosol increases the risk of organ dysfunction by enhancing oxidative stress and inflammation. Drug and Chemical Toxicology, 2022, 45, 2561-2567.	1.2	4
64	Melatonin, Oxidative Stress, and the Aging Brain. , 2010, , 339-357.		4
65	Can Environmentally Relevant Levels of Aluminium Promote the Onset and Progression of Neurodegenerative Diseases?. Current Inorganic Chemistry, 2012, 2, 40-45.	0.2	2
66	Attenuation of acute and chronic inflammation using compounds derived from plants. Experimental Biology and Medicine, 2021, 246, 406-413.	1.1	2
67	Metals and Neuroinflammation. , 2017, , 83-93.		1
68	SUPPRESSION OF HIPPOCAMPAL EPILEPTIFORM ACTIVITY IN VITRO AFTER LASER EXPOSURE. Laser Therapy, 2004, 14, 0_19-0_21.	0.8	1
69	Role of Nitric Oxide in Neurodegeneration and Vulnerability of Neuronal Cells to Nitric Oxide Metabolites and Reactive Oxygen Species. , 2010, , 399-415.		1
70	Welcome to Fibersâ€”A New Open Access Journal for Fibrous Material Science. Fibers, 2013, 1, 1-1.	1.8	0
71	The Fibrous Form Confers Unique Properties on Materials. Fibers, 2014, 2, 240-241.	1.8	0
72	A paradigm shift at the heart of occupational health. Toxicology and Industrial Health, 2019, 35, 567-567.	0.6	0

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73	Can a Micronutrient Mixture Delay the Onset and Progression of Symptoms of Single-Point Mutation Diseases?. Journal of the American College of Nutrition, 2021, , 1-10.	1.1	0
74	Genetic and Toxicological Models of Neurodegenerative Diseases. , 2004, , 107-121.		0