

Sandra J Hewett

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

3,157
citations

29
h-index

56
g-index

67
ext. papers

3,452
ext. citations

5
avg. IF

4.92
L-index

#	Paper	IF	Citations
61	P2X7-dependent constitutive Interleukin-1 β release from pyramidal neurons of the normal mouse hippocampus: Evidence for a role in maintenance of the innate seizure threshold.. <i>Neurobiology of Disease</i> , 2022 , 105689	7.5	0
60	Influence of glutamate and GABA transport on brain excitatory/inhibitory balance. <i>Experimental Biology and Medicine</i> , 2021 , 246, 1069-1083	3.7	10
59	Sexually dimorphic and brain region-specific transporter adaptations in system x null mice. <i>Neurochemistry International</i> , 2020 , 141, 104888	4.4	1
58	Decreased epileptogenesis in mice lacking the System x transporter occurs in association with a reduction in AMPA receptor subunit GluA1. <i>Epilepsia Open</i> , 2019 , 4, 133-143	4	4
57	Interleukin-1 β Protects Neurons against Oxidant-Induced Injury via the Promotion of Astrocyte Glutathione Production. <i>Antioxidants</i> , 2018 , 7,	7.1	9
56	Mice lacking L-12/15-lipoxygenase show increased mortality during kindling despite demonstrating resistance to epileptogenesis. <i>Epilepsia Open</i> , 2018 , 3, 255-263	4	3
55	Mice deficient in L-12/15 lipoxygenase show increased vulnerability to 3-nitropropionic acid neurotoxicity. <i>Neuroscience Letters</i> , 2017 , 643, 65-69	3.3	9
54	Spontaneous Glutamatergic Synaptic Activity Regulates Constitutive COX-2 Expression in Neurons: OPPOSING ROLES FOR THE TRANSCRIPTION FACTORS CREB (cAMP RESPONSE ELEMENT BINDING) PROTEIN AND Sp1 (STIMULATORY PROTEIN-1). <i>Journal of Biological Chemistry</i> , 2016 , 291, 27279-27288	5.4	11
53	Interleukin 1 β Regulation of the System xc- Substrate-specific Subunit, xCT, in Primary Mouse Astrocytes Involves the RNA-binding Protein HuR. <i>Journal of Biological Chemistry</i> , 2016 , 291, 1643-1651	5.4	11
52	Inhibition of System Xc(-) Transporter Attenuates Autoimmune Inflammatory Demyelination. <i>Journal of Immunology</i> , 2015 , 195, 450-463	5.3	56
51	Main path and byways: non-vesicular glutamate release by system xc(-) as an important modifier of glutamatergic neurotransmission. <i>Journal of Neurochemistry</i> , 2015 , 135, 1062-79	6	68
50	A Cytotoxic, Co-operative Interaction Between Energy Deprivation and Glutamate Release From System xc- Mediates Aglycemic Neuronal Cell Death. <i>ASN Neuro</i> , 2015 , 7,	5.3	7
49	Interleukin-1 β protects astrocytes against oxidant-induced injury via an NF- κ B-dependent upregulation of glutathione synthesis. <i>Glia</i> , 2015 , 63, 1568-80	9	32
48	The cystine/glutamate antiporter system x(c)(-) in health and disease: from molecular mechanisms to novel therapeutic opportunities. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 522-55	8.4	473
47	Neuromodulatory role of endogenous interleukin-1 β in acute seizures: possible contribution of cyclooxygenase-2. <i>Neurobiology of Disease</i> , 2012 , 45, 234-42	7.5	23
46	Induction of nitric oxide synthase-2 expression and measurement of nitric oxide production in enriched primary cortical astrocyte cultures. <i>Methods in Molecular Biology</i> , 2012 , 814, 251-63	1.4	6
45	Generation of primary astrocyte cultures devoid of contaminating microglia. <i>Methods in Molecular Biology</i> , 2012 , 814, 61-79	1.4	19

44	Non-cell autonomous influence of the astrocyte system x(-) on hypoglycaemic neuronal cell death. <i>ASN Neuro</i> , 2012 , 4,	5.3	22
43	Interleukin-1β In Central Nervous System Injury and Repair 2012 , 1, 195-211		49
42	Prophylactic, prandial rofecoxib treatment lacks efficacy against acute PTZ-induced seizure generation and kindling acquisition. <i>Epilepsia</i> , 2011 , 52, 273-83	6.4	30
41	Pre-conditioning induces the precocious differentiation of neonatal astrocytes to enhance their neuroprotective properties. <i>ASN Neuro</i> , 2011 , 3, e00062	5.3	28
40	Smad3-dependent signaling underlies the TGF-β-mediated enhancement in astrocytic iNOS expression. <i>Glia</i> , 2010 , 58, 1282-91	9	15
39	Regulation of system x(c)(-)activity and expression in astrocytes by interleukin-1β implications for hypoxic neuronal injury. <i>Glia</i> , 2010 , 58, 1806-15	9	63
38	Nitroxyl exacerbates ischemic cerebral injury and oxidative neurotoxicity. <i>Journal of Neurochemistry</i> , 2009 , 110, 1766-73	6	26
37	Interleukin-1beta: a bridge between inflammation and excitotoxicity?. <i>Journal of Neurochemistry</i> , 2008 , 106, 1-23	6	105
36	Cytosolic phospholipase A2 alpha inhibition prevents neuronal NMDA receptor-stimulated arachidonic acid mobilization and prostaglandin production but not subsequent cell death. <i>Journal of Neurochemistry</i> , 2008 , 106, 1828-40	6	11
35	TGF-beta1 reduces the heterogeneity of astrocytic cyclooxygenase-2 and nitric oxide synthase-2 gene expression in a stimulus-independent manner. <i>Prostaglandins and Other Lipid Mediators</i> , 2008 , 85, 115-24	3.7	11
34	TGF beta 1 and TNF alpha potentiate nitric oxide production in astrocyte cultures by recruiting distinct subpopulations of cells to express NOS-2. <i>Neurochemistry International</i> , 2008 , 52, 962-71	4.4	26
33	System x(c)- activity and astrocytes are necessary for interleukin-1 beta-mediated hypoxic neuronal injury. <i>Journal of Neuroscience</i> , 2007 , 27, 10094-105	6.6	90
32	Characterization of an improved procedure for the removal of microglia from confluent monolayers of primary astrocytes. <i>Journal of Neuroscience Methods</i> , 2006 , 150, 128-37	3	95
31	Contributions of cyclooxygenase-2 to neuroplasticity and neuropathology of the central nervous system 2006 , 112, 335-57		67
30	TGF-beta1 potentiates astrocytic nitric oxide production by expanding the population of astrocytes that express NOS-2. <i>Glia</i> , 2006 , 54, 566-77	9	57
29	Oral treatment with rofecoxib reduces hippocampal excitotoxic neurodegeneration. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 319, 1219-24	4.7	31
28	Changes in secondary glutamate release underlie the developmental regulation of excitotoxic neuronal cell death. <i>Neuroscience</i> , 2005 , 132, 929-42	3.9	32
27	Neurotoxicity of nitroxyl: insights into HNO and NO biochemical imbalance. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 1478-88	7.8	31

26	Interleukin-1beta potentiates neuronal injury in a variety of injury models involving energy deprivation. <i>Journal of Neuroimmunology</i> , 2005 , 161, 93-100	3.5	29
25	Chemotherapy for the brain: the antitumor antibiotic mithramycin prolongs survival in a mouse model of Huntington's disease. <i>Journal of Neuroscience</i> , 2004 , 24, 10335-42	6.6	162
24	Naproxen reduces excitotoxic neurodegeneration in vivo with an extended therapeutic window. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 309, 1060-6	4.7	24
23	Enhanced release of synaptic glutamate underlies the potentiation of oxygen-glucose deprivation-induced neuronal injury after induction of NOS-2. <i>Experimental Neurology</i> , 2004 , 190, 91-101	5.7	13
22	Relationship between NMDA receptor expression and MPP+ toxicity in cultured dopaminergic cells. <i>Journal of Neuroscience Research</i> , 2003 , 73, 811-7	4.4	4
21	Potassium-evoked glutamate release liberates arachidonic acid from cortical neurons. <i>Journal of Biological Chemistry</i> , 2002 , 277, 43881-7	5.4	31
20	Guide for the use of nitric oxide (NO) donors as probes of the chemistry of NO and related redox species in biological systems. <i>Methods in Enzymology</i> , 2002 , 359, 84-105	1.7	63
19	SIN-1-induced cytotoxicity in mixed cortical cell culture: peroxynitrite-dependent and -independent induction of excitotoxic cell death. <i>Journal of Neurochemistry</i> , 2001 , 79, 445-55	6	70
18	Mechanisms of the antioxidant effects of nitric oxide. <i>Antioxidants and Redox Signaling</i> , 2001 , 3, 203-13	8.4	269
17	Differential modulation of prostaglandin H synthase-2 by nitric oxide-related species in intact cells. <i>Biochemistry</i> , 2001 , 40, 11533-42	3.2	19
16	A microtiter trypan blue absorbance assay for the quantitative determination of excitotoxic neuronal injury in cell culture. <i>Journal of Neuroscience Methods</i> , 2000 , 100, 157-63	3	103
15	Analysis of the neuroprotective effects of various nitric oxide donor compounds in murine mixed cortical cell culture. <i>Journal of Neurochemistry</i> , 1999 , 72, 1843-52	6	51
14	Hypoxia modulates nitric oxide-induced regulation of NMDA receptor currents and neuronal cell death. <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 277, C673-83	5.4	38
13	Interferon-gamma reduces cyclooxygenase-2-mediated prostaglandin E2 production from primary mouse astrocytes independent of nitric oxide formation. <i>Journal of Neuroimmunology</i> , 1999 , 94, 134-43	3.5	35
12	Inducible nitric oxide synthase expression in cultures enriched for mature oligodendrocytes is due to microglia. <i>Journal of Neuroscience Research</i> , 1999 , 56, 189-98	4.4	45
11	Passive transfer of Lambert-Eaton myasthenic syndrome induces dihydropyridine sensitivity of ICa in mouse motor nerve terminals. <i>Journal of Neurophysiology</i> , 1998 , 80, 1056-69	3.2	28
10	Murine encephalitogenic lymphoid cells induce nitric oxide synthase in primary astrocytes. <i>Journal of Neuroimmunology</i> , 1996 , 64, 201-8	3.5	26
9	Potentiation of oxygen-glucose deprivation-induced neuronal death after induction of iNOS. <i>Stroke</i> , 1996 , 27, 1586-91	6.7	64

8	Expression of the neurofibromatosis 1 (NF1) gene in reactive astrocytes in vitro. <i>NeuroReport</i> , 1995 , 6, 1565-8	1.7	21
7	Selective potentiation of NMDA-induced neuronal injury following induction of astrocytic iNOS. <i>Neuron</i> , 1994 , 13, 487-94	13.9	281
6	Interferon-gamma and interleukin-1 beta induce nitric oxide formation from primary mouse astrocytes. <i>Neuroscience Letters</i> , 1993 , 164, 229-32	3.3	107
5	Inhibition of nitric oxide formation does not protect murine cortical cell cultures from N-methyl-D-aspartate neurotoxicity. <i>Brain Research</i> , 1993 , 625, 337-41	3.7	76
4	Disruption of synaptosomal calcium channel function by Lambert-Eaton myasthenic immunoglobulin is serum-dependent. <i>Brain Research</i> , 1992 , 599, 317-23	3.7	12
3	Specificity of Lambert-Eaton myasthenic syndrome immunoglobulin for nerve terminal calcium channels. <i>Brain Research</i> , 1992 , 599, 324-32	3.7	19
2	Effects of charge and lipophilicity on mercurial-induced reduction of $^{45}\text{Ca}^{2+}$ uptake in isolated nerve terminals of the rat. <i>Toxicology and Applied Pharmacology</i> , 1992 , 113, 267-73	4.6	21
1	Serum and plasma from patients with Lambert-Eaton Myasthenic Syndrome reduce depolarization-dependent uptake of $^{45}\text{Ca}^{2+}$ into rat cortical synaptosomes. <i>Brain Research</i> , 1991 , 566, 320-4	3.7	12