Raymond F Regan

List of Publications by Year
in descending order

64 papers	2,684 citations	136740 32 h-index	182168 51 g-index
64 all docs	64 docs citations	64 times ranked	2901 citing authors

#	Article	IF	Citations
1	Neurotoxicity of hemoglobin in cortical cell culture. Neuroscience Letters, 1993, 153, 219-222.	1.0	173
2	Glutamate induces oxidative stress and apoptosis in cerebral vascular endothelial cells: contributions of HO-1 and HO-2 to cytoprotection. American Journal of Physiology - Cell Physiology, 2006, 290, C1399-C1410.	2.1	161
3	Hemin induces an iron-dependent, oxidative injury to human neuron-like cells. Journal of Neuroscience Research, 2003, 73, 113-121.	1.3	128
4	Solid microparticles based on chitosan or methyl-Î²-cyclodextrin: A first formulative approach to increase the nose-to-brain transport of deferoxamine mesylate. Journal of Controlled Release, 2015, 201, 68-77.	4.8	116
5	HO-2 provides endogenous protection against oxidative stress and apoptosis caused by TNF-Î± in cerebral vascular endothelial cells. American Journal of Physiology - Cell Physiology, 2006, 291, C897-C908.	2.1	106
6	The effect of NMDA, AMPA/kainate, and calcium channel antagonists on traumatic cortical neuronal injury in culture. Brain Research, 1994, 633, 236-242.	1.1	90
7	Hemoglobin Potentiates Excitotoxic Injury in Cortical Cell Culture. Journal of Neurotrauma, 1996, 13, 223-231.	1.7	89
8	Heme oxygenase-2 knockout neurons are less vulnerable to hemoglobin toxicity. Free Radical Biology and Medicine, 2003, 35, 872-881.	1.3	82
9	The Effect of Magnesium on Oxidative Neuronal Injury In Vitro. Journal of Neurochemistry, 1998, 70, 77-85.	2.1	81
10	Heme oxygenase-1 induction protects murine cortical astrocytes from hemoglobin toxicity. Neuroscience Letters, 2000, 282, 1-4.	1.0	67
11	Increased striatal injury and behavioral deficits after intracerebral hemorrhage in hemopexin knockout mice. Journal of Neurosurgery, 2011, 114, 1159-1167.	0.9	65
12	Toxic Effect of Hemoglobin on Spinal Cord Neurons in Culture. Journal of Neurotrauma, 1998, 15, 645-653.	1.7	64
13	Delayed Treatment of Hemoglobin Neurotoxicity. Journal of Neurotrauma, 2003, 20, 111-120.	1.7	63
14	Heme oxygenase-2 gene deletion attenuates oxidative stress in neurons exposed to extracellular hemin. BMC Neuroscience, 2004, 5, 34.	0.8	59
15	Activation of extracellular signal-regulated kinases potentiates hemin toxicity in astrocyte cultures. Journal of Neurochemistry, 2008, 79, 545-555.	2.1	57
16	Minocycline attenuates iron neurotoxicity in cortical cell cultures. Biochemical and Biophysical Research Communications, 2009, 386, 322-326.	1.0	57
17	Heme Oxygenase-2 Deletion Causes Endothelial Cell Activation Marked by Oxidative Stress, Inflammation, and Angiogenesis. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 925-932.	1.3	55
18	The oxidative neurotoxicity of clioquinol. Neuropharmacology, 2005, 49, 687-694.	2.0	54

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19	Astrocyte heme oxygenase-1 reduces mortality and improves outcome after collagenase-induced intracerebral hemorrhage. Neurobiology of Disease, 2017, 102, 140-146.	2.1	54
20	Cultured astrocytes from heme oxygenase-1 knockout mice are more vulnerable to heme-mediated oxidative injury. Journal of Neuroscience Research, 2005, 82, 802-810.	1.3	53
21	Increasing Expression of Heme Oxygenase-1 by Proteasome Inhibition Protects Astrocytes from Heme-mediated Oxidative Injury. Current Neurovascular Research, 2005, 2, 189-196.	0.4	51
22	Carbon monoxide donors or heme oxygenase-1 (HO-1) overexpression blocks interleukin-18-mediated NF-ÎºBâ€“PTEN-dependent human cardiac endothelial cell death. Free Radical Biology and Medicine, 2008, 44, 284-298.	1.3	49
23	Astrocyte Overexpression of Heme Oxygenase-1 Improves Outcome After Intracerebral Hemorrhage. Stroke, 2015, 46, 1093-1098.	1.0	49
24	Targeting the Nrf2-Heme Oxygenase-1 Axis after Intracerebral Hemorrhage. Current Pharmaceutical Design, 2017, 23, 2226-2237.	0.9	47
25	Attenuation of oxidative injury after induction of experimental intracerebral hemorrhage in heme oxygenaseâ€“2 knockout mice. Journal of Neurosurgery, 2007, 106, 428-435.	0.9	45
26	Effect of heme oxygenase-1 on the vulnerability of astrocytes and neurons to hemoglobin. Biochemical and Biophysical Research Communications, 2006, 350, 233-237.	1.0	44
27	Haptoglobin increases the vulnerability of <scp>CD</scp>163â€expressing neurons to hemoglobin. Journal of Neurochemistry, 2016, 139, 586-595.	2.1	44
28	Heme oxygenase-2 gene deletion increases astrocyte vulnerability to hemin. Biochemical and Biophysical Research Communications, 2004, 318, 88-94.	1.0	43
29	Time course of increased heme oxygenase activity and expression after experimental intracerebral hemorrhage: correlation with oxidative injury. Journal of Neurochemistry, 2007, 103, 2015-2021.	2.1	42
30	Curcumin-Induced Heme Oxygenase-1 Expression Prevents H2O2-Induced Cell Death in Wild Type and Heme Oxygenase-2 Knockout Adipose-Derived Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2014, 15, 17974-17999.	1.8	41
31	Effect of Targeted Deletion of the Heme Oxygenase-2 Gene on Hemoglobin Toxicity in the Striatum. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1466-1475.	2.4	39
32	Systemic hemin therapy attenuates bloodâ€“brain barrier disruption after intracerebral hemorrhage. Neurobiology of Disease, 2014, 70, 245-251.	2.1	38
33	Neurons lacking iron regulatory protein-2 are highly resistant to the toxicity of hemoglobin. Neurobiology of Disease, 2008, 31, 242-249.	2.1	33
34	Accelerated hemolysis and neurotoxicity in neuronâ€gliaâ€blood clot coâ€cultures. Journal of Neurochemistry, 2010, 114, 1063-1073.	2.1	32
35	Inhibition of the ERK/MAP kinase pathway attenuates heme oxygenase-1 expression and heme-mediated neuronal injury. Neuroscience Letters, 2006, 398, 230-234.	1.0	29
36	Astrocyte-specific heme oxygenase-1 hyperexpression attenuates heme-mediated oxidative injury. Neurobiology of Disease, 2007, 26, 688-695.	2.1	28

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37	Adenoviral transfer of the heme oxygenase-1 gene protects striatal astrocytes from heme-mediated oxidative injury. Neurobiology of Disease, 2004, 17, 179-187.	2.1	26
38	Apotransferrin protects cortical neurons from hemoglobin toxicity. Neuropharmacology, 2011, 60, 423-431.	2.0	24
39	Platelets as drivers of ischemia/reperfusion injury after stroke. Blood Advances, 2021, 5, 1576-1584.	2.5	23
40	Extracellular reduced glutathione increases neuronal vulnerability to combined chemical hypoxia and glucose deprivation. Brain Research, 1999, 817, 145-150.	1.1	22
41	Heme oxygenase activity and hemoglobin neurotoxicity are attenuated by inhibitors of the MEK/ERK pathway. Neuropharmacology, 2009, 56, 922-928.	2.0	22
42	Hemopexin increases the neurotoxicity of hemoglobin when haptoglobin is absent. Journal of Neurochemistry, 2018, 145, 464-473.	2.1	22
43	Dysregulation of the haem-haemopexin axis is associated with severe malaria in a caseâ€“control study of Ugandan children. Malaria Journal, 2015, 14, 511.	0.8	21
44	Effect of Iron Chelators on Methemoglobin and Thrombin Preconditioning. Translational Stroke Research, 2012, 3, 452-459.	2.3	17
45	Neuroprotective effect of heme oxygenase-2 knockout in the blood injection model of intracerebral hemorrhage. BMC Research Notes, 2014, 7, 561.	0.6	17
46	The Neurotoxic Effect of Sickle Cell Hemoglobin. Free Radical Research, 2004, 38, 431-437.	1.5	16
47	Iron regulatory protein-2 knockout increases perihematomal ferritin expression and cell viability after intracerebral hemorrhage. Brain Research, 2010, 1337, 95-103.	1.1	16
48	Increasing expression of H- or L-ferritin protects cortical astrocytes from hemin toxicity. Free Radical Research, 2009, 43, 613-621.	1.5	15
49	Iron regulatory proteins increase neuronal vulnerability to hydrogen peroxide. Biochemical and Biophysical Research Communications, 2008, 375, 6-10.	1.0	14
50	Antithrombotic effects of heme-degrading and heme-binding proteins. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H671-H681.	1.5	14
51	Targeting Heme Oxygenase after Intracerebral Hemorrhage. Therapeutic Targets for Neurological Diseases, 2015, 2, .	2.2	13
52	Hemopexin decreases hemin accumulation and catabolism by neural cells. Neurochemistry International, 2012, 60, 488-494.	1.9	12
53	Iron accumulation and neurotoxicity in cortical cultures treated with holotransferrin. Free Radical Biology and Medicine, 2011, 51, 1966-1974.	1.3	11
54	A rapid fluorescent method to quantify neuronal loss after experimental intracerebral hemorrhage. Journal of Neuroscience Methods, 2013, 216, 128-136.	1.3	10

#	ARTICLE	IF	CITATIONS
55	Effect of hemopexin treatment on outcome after intracerebral hemorrhage in mice. Brain Research, 2021, 1765, 147507.	1.1	8
56	Hemoglobin Neurotoxicity is Attenuated by Inhibitors of the Protein Kinase CK2 Independent of Heme Oxygenase Activity. Current Neurovascular Research, 2008, 5, 193-198.	0.4	7
57	CXCL12-CXCR4 Interplay Facilitates Palatal Osteogenesis in Mice. Frontiers in Cell and Developmental Biology, 2020, 8, 771.	1.8	7
58	Chemokine Signaling during Midline Epithelial Seam Disintegration Facilitates Palatal Fusion. Frontiers in Cell and Developmental Biology, 2017, 5, 94.	1.8	5
59	Protective effect of vitreous against hemoglobin neurotoxicity. Biochemical and Biophysical Research Communications, 2018, 503, 152-156.	1.0	5
60	Rapid loss of perihematomal cell viability in the collagenase intracerebral hemorrhage model. Brain Research, 2019, 1711, 91-96.	1.1	5
61	Deferoxamine deconditioning increases neuronal vulnerability to hemoglobin. Experimental Cell Research, 2020, 390, 111926.	1.2	3
62	Hemoglobin and Neurotoxicity. , 2006, , 227-234.		1
63	Activation of extracellular signal-regulated kinases potentiates hemin toxicity in astrocyte cultures. Journal of Neurochemistry, 2002, 80, 720-720.	2.1	0
64	HOâ€2 gene deletion increases NFkB activation and sensitizes cerebral microvascular endothelial cells to TNFâ€alphaâ€induced apoptosis.. FASEB Journal, 2006, 20, A292.	0.2	0