Osamu Hori

List of Publications by Year
in descending order

51 papers	2,321 citations	218677 26 h-index	223800 46 g-index
53 all docs	53 docs citations	53 times ranked	3617 citing authors

#	Article	IF	Citations
1	Caspase-1 initiates apoptosis in the absence of gasdermin D. Nature Communications, 2019, 10, 2091.	12.8	301
2	Transmission of cell stress from endoplasmic reticulum to mitochondria. Journal of Cell Biology, 2002, 157, 1151-1160.	5.2	189
3	ORP150 protects against hypoxia/ischemia-induced neuronal death. Nature Medicine, 2001, 7, 317-323.	30.7	187
4	Ascorbic acid partly antagonizes resveratrol mediated heme oxygenase-1 but not paraoxonase-1 induction in cultured hepatocytes - role of the redox-regulated transcription factor Nrf2. BMC Complementary and Alternative Medicine, 2011, 11, 1.	3.7	143
5	Expression of the endoplasmic reticulum molecular chaperone (ORP150) rescues hippocampal neurons from glutamate toxicity. Journal of Clinical Investigation, 2001, 108, 1439-1450.	8.2	125
6	Vascular RAGE transports oxytocin into the brain to elicit its maternal bonding behaviour in mice. Communications Biology, 2019, 2, 76.	4.4	103
7	ATF6alpha Promotes Astroglial Activation and Neuronal Survival in a Chronic Mouse Model of Parkinsonâ€™s Disease. PLoS ONE, 2012, 7, e47950.	2.5	88
8	Anxiety- and depression-like behavior in mice lacking the CD157/BST1 gene, a risk factor for Parkinson's disease. Frontiers in Behavioral Neuroscience, 2014, 8, 133.	2.0	78
9	ORP150/HSP12A Regulates Purkinje Cell Survival: A Role for Endoplasmic Reticulum Stress in Cerebellar Development. Journal of Neuroscience, 2004, 24, 1486-1496.	3.6	69
10	Deletion of Atf6Î± impairs astroglial activation and enhances neuronal death following brain ischemia in mice. Journal of Neurochemistry, 2015, 132, 342-353.	3.9	64
11	Vaticanol B, a resveratrol tetramer, regulates endoplasmic reticulum stress and inflammation. American Journal of Physiology - Cell Physiology, 2007, 293, C411-C418.	4.6	62
12	Methoxyflavones protect cells against endoplasmic reticulum stress and neurotoxin. American Journal of Physiology - Cell Physiology, 2007, 292, C353-C361.	4.6	59
13	RAGE mediates vascular injury and inflammation after global cerebral ischemia. Neurochemistry International, 2012, 60, 220-228.	3.8	55
14	Deletion of SERP1/RAMP4, a Component of the Endoplasmic Reticulum (ER) Translocation Sites, Leads to ER Stress. Molecular and Cellular Biology, 2006, 26, 4257-4267.	2.3	52
15	A dibenzoylmethane derivative protects dopaminergic neurons against both oxidative stress and endoplasmic reticulum stress. American Journal of Physiology - Cell Physiology, 2007, 293, C1884-C1894.	4.6	44
16	CD38 positively regulates postnatal development of astrocytes cell-autonomously and oligodendrocytes non-cell-autonomously. Glia, 2017, 65, 974-989.	4.9	43
17	Deletion of Nâ€myc downstreamâ€regulated gene 2 attenuates reactive astrogliosis and inflammatory response in a mouse model of cortical stab injury. Journal of Neurochemistry, 2014, 130, 374-387.	3.9	41
18	CD38, CD157, and RAGE as Molecular Determinants for Social Behavior. Cells, 2020, 9, 62.	4.1	40

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19	The effect of Ndrg2 expression on astroglial activation. Neurochemistry International, 2011, 59, 21-27.	3.8	39
20	Nâ€myc downstreamâ€regulated gene 2 protects bloodâ€“brain barrier integrity following cerebral ischemia. Glia, 2018, 66, 1432-1446.	4.9	39
21	Antioxidant effects of the highly-substituted carbazole alkaloids and their related carbazoles. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3530-3533.	2.2	38
22	3,4â€Dihydroxybenzalacetone Protects Against Parkinson's Diseaseâ€Related Neurotoxin 6â€OHDA Through Akt/Nrf2/Glutathione Pathway. Journal of Cellular Biochemistry, 2014, 115, 151-160.	2.6	37
23	Deletion of CD38 Suppresses Glial Activation and Neuroinflammation in a Mouse Model of Demyelination. Frontiers in Cellular Neuroscience, 2019, 13, 258.	3.7	36
24	Inhibition of CD38 and supplementation of nicotinamide riboside ameliorate lipopolysaccharideâ€induced microglial and astrocytic neuroinflammation by increasing NAD⁺. Journal of Neurochemistry, 2021, 158, 311-327.	3.9	35
25	Atf6Î± deficiency suppresses microglial activation and ameliorates pathology of experimental autoimmune encephalomyelitis. Journal of Neurochemistry, 2016, 139, 1124-1137.	3.9	33
26	Î±-Lipoic acid (LA) enantiomers protect SH-SY5Y cells against glutathione depletion. Neurochemistry International, 2011, 59, 1003-1009.	3.8	31
27	3,4â€dihydroxybenzalacetone and caffeic acid phenethyl ester induce preconditioning ER stress and autophagy in SHâ€SY5Y cells. Journal of Cellular Physiology, 2018, 233, 1671-1684.	4.1	26
28	Therapeutics potentiating microglial p21-Nrf2 axis can rescue neurodegeneration caused by neuroinflammation. Science Advances, 2020, 6, .	10.3	26
29	Deletion of Herp facilitates degradation of cytosolic proteins. Genes To Cells, 2010, 15, 843-853.	1.2	23
30	Pyramid-Shape Crossings and Intercrossing Fibers Are Key Elements for Construction of the Neural Network in the Superficial White Matter of the Human Cerebrum. Cerebral Cortex, 2020, 30, 5218-5228.	2.9	23
31	Localized astrogenesis regulates gyrification of the cerebral cortex. Science Advances, 2022, 8, eabi5209.	10.3	17
32	A Carbazole Derivative Protects Cells Against Endoplasmic Reticulum (ER) Stress and Glutathione Depletion. Journal of Pharmacological Sciences, 2008, 108, 164-171.	2.5	16
33	Deletion of Atf6Î± enhances kainate-induced neuronal death in mice. Neurochemistry International, 2016, 92, 67-74.	3.8	16
34	Does ORP150/HSP12A Protect Dopaminergic Neurons Against MPTP/MPP⁺-Induced Neurotoxicity?. Antioxidants and Redox Signaling, 2007, 9, 589-595.	5.4	15
35	Inhibition of nuclear factor-ÎºB p65 phosphorylation by 3,4-dihydroxybenzalacetone and caffeic acid phenethyl ester. Journal of Pharmacological Sciences, 2018, 137, 248-255.	2.5	15
36	A dibenzoylmethane derivative protects against hydrogen peroxide-induced cell death and inhibits lipopolysaccharide-induced nitric oxide production in cultured rat astrocytes. Journal of Neuroscience Research, 2011, 89, 955-965.	2.9	11

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37	Transgenic supplementation of SIRT1 fails to alleviate acute loss of nigrostriatal dopamine neurons and gliosis in a mouse model of MPTP-induced parkinsonism. F1000Research, 2015, 4, 130.	1.6	11
38	Ndrg2 deficiency ameliorates neurodegeneration in experimental autoimmune encephalomyelitis. Journal of Neurochemistry, 2018, 145, 139-153.	3.9	11
39	Deletion of CD38 and supplementation of NAD+ attenuate axon degeneration in a mouse facial nerve axotomy model. Scientific Reports, 2020, 10, 17795.	3.3	11
40	The ATF6Î²-calreticulin axis promotes neuronal survival under endoplasmic reticulum stress and excitotoxicity. Scientific Reports, 2021, 11, 13086.	3.3	11
41	Does the superior fronto-occipital fascicle exist in the human brain? Fiber dissection and brain functional mapping in 90 patients with gliomas. NeuroImage: Clinical, 2020, 25, 102192.	2.7	9
42	Microglial activation in the cochlear nucleus after early hearing loss in rats. Auris Nasus Larynx, 2019, 46, 716-723.	1.2	8
43	A dibenzoylmethane derivative inhibits lipopolysaccharide-induced NO production in mouse microglial cell line BV-2. Neurochemistry International, 2018, 119, 126-131.	3.8	7
44	Cyclic ADP-ribose as an endogenous inhibitor of the mTOR pathway downstream of dopamine receptors in the mouse striatum. Journal of Neural Transmission, 2018, 125, 17-24.	2.8	6
45	Oxytocin Dynamics in the Body and Brain Regulated by the Receptor for Advanced Glycation End-Products, CD38, CD157, and Nicotinamide Riboside. Frontiers in Neuroscience, 0, 16, .	2.8	6
46	Deletion ofHerpud1Enhances Heme Oxygenase-1 Expression in a Mouse Model of Parkinsonâ€™s Disease. Parkinson's Disease, 2016, 2016, 1-9.	1.1	5
47	Soluble receptor for advanced glycation end products as a biomarker of symptomatic vasospasm in subarachnoid hemorrhage. Journal of Neurosurgery, 2019, , 1-9.	1.6	5
48	Pre-administration of low-dose methamphetamine enhances movement and neural activity after high-dose methamphetamine administration in the striatum. Neuroscience Letters, 2019, 703, 119-124.	2.1	4
49	Direct evidence of the relationship between brain metastatic adenocarcinoma and white matter fibers: A fiber dissection and diffusion tensor imaging tractography study. Journal of Clinical Neuroscience, 2020, 77, 55-61.	1.5	4
50	A Fiber Dissection Study of the Anterior Commissure: Correlations with Diffusion Spectrum Imaging Tractography and Clinical Relevance in Gliomas. Brain Topography, 2022, 35, 232-240.	1.8	3
51	Abnormal social behavior and altered gene expression in mice lacking NDRG2. Neuroscience Letters, 2021, 743, 135563.	2.1	1