Jau-shyong Hong

List of Publications by Year
in descending order

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283 papers	30,026 citations	8446 76 h-index	5588 164 g-index
310 all docs	310 docs citations	310 times ranked	34721 citing authors

#	Article	IF	Citations
1	Microglia-mediated neurotoxicity: uncovering the molecular mechanisms. Nature Reviews Neuroscience, 2007, 8, 57-69.	10.7	3,545
2	Systemic LPS causes chronic neuroinflammation and progressive neurodegeneration. Glia, 2007, 55, 453-462.	5.3	1,830
3	Microglia and inflammation-mediated neurodegeneration: Multiple triggers with a common mechanism. Progress in Neurobiology, 2005, 76, 77-98.	5.8	1,369
4	Aggregated Î±â€synuclein activates microglia: a process leading to disease progression in Parkinson's disease. FASEB Journal, 2005, 19, 533-542.	0.5	1,084
5	Role of Microglia in Inflammation-Mediated Neurodegenerative Diseases: Mechanisms and Strategies for Therapeutic Intervention. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 1-7.	2.4	1,023
6	Regional Difference in Susceptibility to Lipopolysaccharide-Induced Neurotoxicity in the Rat Brain: Role of Microglia. Journal of Neuroscience, 2000, 20, 6309-6316.	3.8	806
7	Why neurodegenerative diseases are progressive: uncontrolled inflammation drives disease progression. Trends in Immunology, 2008, 29, 357-365.	6.8	711
8	Microglial activation-mediated delayed and progressive degeneration of rat nigral dopaminergic neurons: relevance to Parkinson's disease. Journal of Neurochemistry, 2002, 81, 1285-1297.	4.0	619
9	Histone Deacetylase Inhibitors Exhibit Anti-Inflammatory and Neuroprotective Effects in a Rat Permanent Ischemic Model of Stroke: Multiple Mechanisms of Action. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 892-901.	2.4	518
10	NADPH Oxidase Mediates Lipopolysaccharide-induced Neurotoxicity and Proinflammatory Gene Expression in Activated Microglia. Journal of Biological Chemistry, 2004, 279, 1415-1421.	3.5	515
11	Increased systemic and brain cytokine production and neuroinflammation by endotoxin following ethanol treatment. Journal of Neuroinflammation, 2008, 5, 10.	7.4	453
12	Distinct Role for Microglia in Rotenone-Induced Degeneration of Dopaminergic Neurons. Journal of Neuroscience, 2002, 22, 782-790.	3.8	409
13	Role of oxidative stress in epileptic seizures. Neurochemistry International, 2011, 59, 122-137.	3.9	346
14	Critical Role for Microglial NADPH Oxidase in Rotenone-Induced Degeneration of Dopaminergic Neurons. Journal of Neuroscience, 2003, 23, 6181-6187.	3.8	317
15	HMGB1 Acts on Microglia Mac1 to Mediate Chronic Neuroinflammation That Drives Progressive Neurodegeneration. Journal of Neuroscience, 2011, 31, 1081-1092.	3.8	313
16	Novel anti-inflammatory therapy for Parkinson's disease. Trends in Pharmacological Sciences, 2003, 24, 395-401.	8.6	305
17	Neuroinflammation and Î±-Synuclein Dysfunction Potentiate Each Other, Driving Chronic Progression of Neurodegeneration in a Mouse Model of Parkinsonâ€™s Disease. Environmental Health Perspectives, 2011, 119, 807-814.	8.2	300
18	Microglia enhance Î²-amyloid peptide-induced toxicity in cortical and mesencephalic neurons by producing reactive oxygen species. Journal of Neurochemistry, 2002, 83, 973-983.	4.0	285

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19	Neuroinflammation is a key player in Parkinsonâ€™s disease and a prime target for therapy. Journal of Neural Transmission, 2010, 117, 971-979.	2.9	268
20	Critical role of microglial NADPH oxidaseâ€derived free radicals in the in vitro MPTP model of Parkinson's disease. FASEB Journal, 2003, 17, 1-22.	0.5	267
21	Histone deacetylase inhibitors up-regulate astrocyte GDNF and BDNF gene transcription and protect dopaminergic neurons. International Journal of Neuropsychopharmacology, 2008, 11, 1123.	2.1	262
22	Molecular consequences of activated microglia in the brain: overactivation induces apoptosis. Journal of Neurochemistry, 2001, 77, 182-189.	4.0	255
23	Astrogliosis in CNS Pathologies: Is There A Role for Microglia?. Molecular Neurobiology, 2010, 41, 232-241.	4.1	255
24	Parkinson's disease and exposure to infectious agents and pesticides and the occurrence of brain injuries: role of neuroinflammation.. Environmental Health Perspectives, 2003, 111, 1065-1073.	8.2	244
25	Diesel exhaust particles induce oxidative stress, proinflammatory signaling, and Pâ€glycoprotein upâ€regulation at the bloodâ€brain barrier. FASEB Journal, 2008, 22, 2723-2733.	0.5	227
26	NADPH oxidase and aging drive microglial activation, oxidative stress, and dopaminergic neurodegeneration following systemic LPS administration. Glia, 2013, 61, 855-868.	5.3	227
27	Synergistic Dopaminergic Neurotoxicity of the Pesticide Rotenone and Inflammogen Lipopolysaccharide: Relevance to the Etiology of Parkinson's Disease. Journal of Neuroscience, 2003, 23, 1228-1236.	3.8	221
28	Neuromelanin Activates Microglia and Induces Degeneration of Dopaminergic Neurons: Implications for Progression of Parkinsonâ€™s Disease. Neurotoxicity Research, 2011, 19, 63-72.	2.7	217
29	In utero bacterial endotoxin exposure causes loss of tyrosine hydroxylase neurons in the postnatal rat midbrain. Movement Disorders, 2002, 17, 116-124.	4.3	211
30	Role of reactive oxygen species in LPSâ€induced production of prostaglandin E₂ in microglia. Journal of Neurochemistry, 2004, 88, 939-947.	4.0	208
31	NADPH oxidases: novel therapeutic targets for neurodegenerative diseases. Trends in Pharmacological Sciences, 2012, 33, 295-303.	8.6	195
32	A pivotal role of matrix metalloproteinaseâ€3 activity in dopaminergic neuronal degeneration via microglial activation. FASEB Journal, 2007, 21, 179-187.	0.5	194
33	Silymarin protects dopaminergic neurons against lipopolysaccharide-induced neurotoxicity by inhibiting microglia activation. European Journal of Neuroscience, 2002, 16, 2103-2112.	3.5	191
34	Dextromethorphan Protects Dopaminergic Neurons against Inflammation-Mediated Degeneration through Inhibition of Microglial Activation. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 212-218.	2.4	188
35	Synergistic neurotoxic effects of combined treatments with cytokines in murine primary mixed neuron/glia cultures. Journal of Neuroimmunology, 1998, 85, 1-10.	2.4	183
36	Interactive role of the toll-like receptor 4 and reactive oxygen species in LPS-induced microglia activation. Glia, 2005, 52, 78-84.	5.3	183

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37	Neuroprotective effect of dextromethorphan in the MPTP Parkinson's disease model: role of NADPH oxidase. FASEB Journal, 2004, 18, 589-591.	0.5	181
38	Resveratrol Protects Dopamine Neurons Against Lipopolysaccharide-Induced Neurotoxicity through Its Anti-Inflammatory Actions. Molecular Pharmacology, 2010, 78, 466-477.	2.3	166
39	Geneâ€“environment interactions: Key to unraveling the mystery of Parkinson's disease. Progress in Neurobiology, 2011, 94, 1-19.	5.8	160
40	Valproate pretreatment protects dopaminergic neurons from LPS-induced neurotoxicity in rat primary midbrain cultures: role of microglia. Molecular Brain Research, 2005, 134, 162-169.	2.4	158
41	Presence of substance P and GABA in separate striatonigral neurons. Brain Research, 1977, 136, 371-375.	2.3	155
42	Novel Neuroprotective Mechanisms of Memantine: Increase in Neurotrophic Factor Release from Astroglia and Anti-Inflammation by Preventing Microglial Activation. Neuropsychopharmacology, 2009, 34, 2344-2357.	5.6	151
43	Microglial PHOX and Mac-1 are essential to the enhanced dopaminergic neurodegeneration elicited by A30P and A53T mutant alpha-synuclein. Glia, 2007, 55, 1178-1188.	5.3	149
44	The Role of Microglia in Paraquat-Induced Dopaminergic Neurotoxicity. Antioxidants and Redox Signaling, 2005, 7, 654-661.	5.5	141
45	Synergistic dopaminergic neurotoxicity of MPTP and inflammogen lipopolysaccharide: relevance to the etiology of Parkinson's disease. FASEB Journal, 2003, 17, 1-25.	0.5	138
46	Pro-inflammatory cytokines and lipopolysaccharide induce changes in cell morphology, and upregulation of ERK1/2, iNOS and sPLA2-IIA expression in astrocytes and microglia. Journal of Neuroinflammation, 2011, 8, 121.	7.4	138
47	Sinomenine, a natural dextrorotatory morphinan analog, is anti-inflammatory and neuroprotective through inhibition of microglial NADPH oxidase. Journal of Neuroinflammation, 2007, 4, 23.	7.4	137
48	Î±-Synuclein, a chemoattractant, directs microglial migration via H₂O₂-dependent Lyn phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1926-35.	7.6	126
49	Neonatal and Adult 6-Hydroxydopamine-Induced Lesions Differentially Alter Tachykinin and Enkephalin Gene Expression. Journal of Neurochemistry, 1987, 49, 1623-1633.	4.0	123
50	Potent Anti-Inflammatory and Neuroprotective Effects of TGF-Î²1 Are Mediated through the Inhibition of ERK and p47<i>phox</i>-Ser345 Phosphorylation and Translocation in Microglia. Journal of Immunology, 2008, 181, 660-668.	0.8	118
51	Andrographolide Reduces Inflammation-Mediated Dopaminergic Neurodegeneration in Mesencephalic Neuron-Glia Cultures by Inhibiting Microglial Activation. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 975-983.	2.4	117
52	Macrophage Antigen Complex-1 Mediates Reactive Microgliosis and Progressive Dopaminergic Neurodegeneration in the MPTP Model of Parkinsonâ€™s Disease. Journal of Immunology, 2008, 181, 7194-7204.	0.8	114
53	Glycogen synthase kinaseâ€3 negatively regulates antiâ€inflammatory interleukinâ€10 for lipopolysaccharideâ€induced iNOS/NO biosynthesis and RANTES production in microglial cells. Immunology, 2009, 128, e275-86.	4.4	114
54	NMDA receptorâ€“independent long-term depression correlates with successful aging in rats. Nature Neuroscience, 2005, 8, 1657-1659.	14.5	111

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55	Regulation of methionine-enkephalin precursor messenger RNA in rat striatum by haloperidol and lithium. Biochemical and Biophysical Research Communications, 1983, 113, 391-399.	2.2	110
56	Î²2-Adrenergic Receptor Activation Prevents Rodent Dopaminergic Neurotoxicity by Inhibiting Microglia via a Novel Signaling Pathway. Journal of Immunology, 2011, 186, 4443-4454.	0.8	110
57	Interleukin-10 Protects Lipopolysaccharide-Induced Neurotoxicity in Primary Midbrain Cultures by Inhibiting the Function of NADPH Oxidase. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 44-52.	2.4	109
58	Reactive microgliosis: extracellular Î¼-calpain and microglia-mediated dopaminergic neurotoxicity. Brain, 2010, 133, 808-821.	8.0	108
59	MPP + â€induced COXâ€2 activation and subsequent dopaminergic neurodegeneration. FASEB Journal, 2005, 19, 1134-1136.	0.5	107
60	Fluoxetine protects neurons against microglial activation-mediated neurotoxicity. Parkinsonism and Related Disorders, 2012, 18, S213-S217.	2.2	99
61	Inhibition by Naloxone Stereoisomers of Î²-Amyloid Peptide (1â€"42)-induced Superoxide Production in Microglia and Degeneration of Cortical and Mesencephalic Neurons. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 1212-1219.	2.4	96
62	In vitro model of glial scarring around neuroelectrodes chronically implanted in the CNS. Biomaterials, 2006, 27, 5368-5376.	11.8	94
63	MAC1 mediates LPSâ€induced production of superoxide by microglia: The role of pattern recognition receptors in dopaminergic neurotoxicity. Glia, 2007, 55, 1362-1373.	5.3	93
64	Inhibition of IÎºB Kinase-Î² Protects Dopamine Neurons Against Lipopolysaccharide-Induced Neurotoxicity. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 822-833.	2.4	90
65	Post-treatment with an ultra-low dose of NADPH oxidase inhibitor diphenyleneiodonium attenuates disease progression in multiple Parkinsonâ€™s disease models. Brain, 2015, 138, 1247-1262.	8.0	90
66	Femtomolar concentrations of dextromethorphan protect mesencephalic dopaminergic neurons from inflammatory damage. FASEB Journal, 2005, 19, 489-496.	0.5	88
67	Innovation and imitation effects in Metaverse service adoption. Service Business, 2011, 5, 155-172.	4.3	88
68	Microglial regulation of immunological and neuroprotective functions of astroglia. Glia, 2015, 63, 118-131.	5.3	88
69	Amantadine protects dopamine neurons by a dual action: Reducing activation of microglia and inducing expression of GNDF in astroglia. Neuropharmacology, 2011, 61, 574-582.	4.2	87
70	The pentose phosphate pathway regulates chronic neuroinflammation and dopaminergic neurodegeneration. Journal of Neuroinflammation, 2019, 16, 255.	7.4	86
71	The Effects of the HIV-1 Envelope Protein gp120 on the Production of Nitric Oxide and Proinflammatory Cytokines in Mixed Glial Cell Cultures. Cellular Immunology, 1996, 172, 77-83.	3.0	85
72	Curcumin Protects Dopaminergic Neuron Against LPS Induced Neurotoxicity in Primary Rat Neuron/Glia Culture. Neurochemical Research, 2008, 33, 2044-2053.	3.3	85

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73	Microglia-Mediated Neurotoxicity Is Inhibited by Morphine through an Opioid Receptor-Independent Reduction of NADPH Oxidase Activity. Journal of Immunology, 2007, 179, 1198-1209.	0.8	84
74	Microglial activation contributes to cognitive impairments in rotenone-induced mouse Parkinsonâ€™s disease model. Journal of Neuroinflammation, 2021, 18, 4.	7.4	83
75	Microglial NADPH oxidase is a novel target for femtomolar neuroprotection against oxidative stress. FASEB Journal, 2005, 19, 550-557.	0.5	81
76	Clozapine Protects Dopaminergic Neurons from Inflammation-Induced Damage by Inhibiting Microglial Overactivation. Journal of NeuroImmune Pharmacology, 2012, 7, 187-201.	4.0	80
77	CD11b/CD18 (Mac-1) Is a Novel Surface Receptor for Extracellular Double-Stranded RNA To Mediate Cellular Inflammatory Responses. Journal of Immunology, 2013, 190, 115-125.	0.8	80
78	Release of immunoreactive met-enkephalin from the spinal cord by intraventricular Î²-endorphin but not morphine in anesthetized rats. Brain Research, 1985, 343, 60-69.	2.3	79
79	Microglial MAC1 receptor and PI3K are essential in mediating Î²-amyloid peptide-induced microglial activation and subsequent neurotoxicity. Journal of Neuroinflammation, 2011, 8, 3.	7.4	78
80	Apocynin prevents mitochondrial burdens, microglial activation, and pro-apoptosis induced by a toxic dose of methamphetamine in the striatum of mice via inhibition of p47phox activation by ERK. Journal of Neuroinflammation, 2016, 13, 12.	7.4	78
81	3â€Hydroxymorphinan, a metabolite of dextromethorphan, protects nigrostriatal pathway against MPTPâ€elicited damage both in vivo and in vitro. FASEB Journal, 2006, 20, 2496-2511.	0.5	77
82	Gradient-based online safe trajectory generation for quadrotor flight in complex environments. , 2017, , .		77
83	Inducible nitric oxide synthase is key to peroxynitrite-mediated, LPS-induced protein radical formation in murine microglial BV2 cells. Free Radical Biology and Medicine, 2014, 73, 51-59.	4.5	76
84	Systemic administration of kainic acid differentially regulates the levels of prodynorphin and proenkephalin mRNA and peptides in the rat hippocampus. Molecular Brain Research, 1991, 9, 79-86.	2.4	75
85	Amygdaloid kindling increases enkephalin-like immunoreactivity but decreases dynorphin-A-like immunoreactivity in rat hippocampus. Neuroscience Letters, 1986, 71, 31-36.	2.1	71
86	Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) 38 and PACAP4â€“6 Are Neuroprotective through Inhibition of NADPH Oxidase: Potent Regulators of Microglia-Mediated Oxidative Stress. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 595-603.	2.4	71
87	Endotoxin induces a delayed loss of TH-IR neurons in substantia nigra and motor behavioral deficits. NeuroToxicology, 2008, 29, 864-870.	3.2	71
88	Substance P Exacerbates Dopaminergic Neurodegeneration through Neurokinin-1 Receptor-Independent Activation of Microglial NADPH Oxidase. Journal of Neuroscience, 2014, 34, 12490-12503.	3.8	71
89	Role and Mechanism of Microglial Activation in Iron-Induced Selective and Progressive Dopaminergic Neurodegeneration. Molecular Neurobiology, 2014, 49, 1153-1165.	4.1	71
90	A novel effect of an opioid receptor antagonist, naloxone, on the production of reactive oxygen species by microglia: a study by electron paramagnetic resonance spectroscopy. Brain Research, 2000, 854, 224-229.	2.3	70

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91	Research on the Premotor Symptoms of Parkinsonâ€™s Disease: Clinical and Etiological Implications. Environmental Health Perspectives, 2013, 121, 1245-1252.	8.2	70
92	Cadmium-Induced Toxicity in Rat Primary Mid-brain Neuroglia Cultures: Role of Oxidative Stress from Microglia. Toxicological Sciences, 2007, 98, 488-494.	3.1	69
93	Measurement of D-meson production at mid-rapidity in pp collisions at $${sqrt{s}=7}$$ s = 7 ÂTeV. European Physical Journal C, 2017, 77, 1.	4.0	67
94	3â€Hydroxymorphinan is neurotrophic to dopaminergic neurons and is also neuroprotective against LPSâ€induced neurotoxicity. FASEB Journal, 2005, 19, 1-25.	0.5	66
95	Low-Dose Memantine Attenuated Morphine Addictive Behavior Through its Anti-Inflammation and Neurotrophic Effects in Rats. Journal of NeuroImmune Pharmacology, 2012, 7, 444-453.	4.0	66
96	Protein tyrosine kinase inhibitors suppress the production of nitric oxide in mixed glia, microglia-enriched or astrocyte-enriched cultures. Brain Research, 1996, 729, 102-109.	2.3	65
97	Endogenous dynorphin protects against neurotoxin-elicited nigrostriatal dopaminergic neuron damage and motor deficits in mice. Journal of Neuroinflammation, 2012, 9, 124.	7.4	65
98	Influence of neurons on lipopolysaccharide-stimulated production of nitric oxide and tumor necrosis factor-Î± by cultured glia. Brain Research, 2000, 853, 236-244.	2.3	64
99	The Deacetylase HDAC6 Mediates Endogenous Neuritic Tau Pathology. Cell Reports, 2017, 20, 2169-2183.	6.3	64
100	Critical role of the Mac1/NOX2 pathway in mediating reactive microgliosis-generated chronic neuroinflammation and progressive neurodegeneration. Current Opinion in Pharmacology, 2016, 26, 54-60.	3.6	63
101	A novel role of NLRP3-generated IL-1Î² in the acute-chronic transition of peripheral lipopolysaccharide-elicited neuroinflammation: implications for sepsis-associated neurodegeneration. Journal of Neuroinflammation, 2020, 17, 64.	7.4	63
102	A single dose of kainic acid elevates the levels of enkephalins and activator protein-1 transcription factors in the hippocampus for up to 1 year. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 9422-9427.	7.6	62
103	The clinical relevance of epithelial dysplasia in the surgical margins of tongue and floor of mouth squamous cell carcinoma: an analysis of 37 patients. Journal of Oral Pathology and Medicine, 2002, 31, 11-15.	2.7	61
104	Proteomic analysis of microglial contribution to mouse strain-dependent dopaminergic neurotoxicity. Glia, 2006, 53, 567-582.	5.3	57
105	Verapamil protects dopaminergic neuron damage through a novel anti-inflammatory mechanism by inhibition of microglial activation. Neuropharmacology, 2011, 60, 373-380.	4.2	57
106	Naloxone inhibits immune cell function by suppressing superoxide production through a direct interaction with gp91 phox subunit of NADPH oxidase. Journal of Neuroinflammation, 2012, 9, 32.	7.4	57
107	Suppressed pro-inflammatory response of microglia in CX3CR1 knockout mice. Journal of Neuroimmunology, 2013, 257, 110-115.	2.4	57
108	Liposomal melatonin rescues methamphetamineâ€elicited mitochondrial burdens, proâ€apoptosis, and dopaminergic degeneration through the inhibition PKCÎ´ gene. Journal of Pineal Research, 2015, 58, 86-106.	7.7	57

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109	Effect of acrylamide on neurotransmitter metabolism and neuropeptide levels in several brain regions and upon circulating hormones. Archives of Toxicology, 1983, 52, 35-43.	4.3	56
110	Neurons reduce glial responses to lipopolysaccharide (LPS) and prevent injury of microglial cells from over-activation by LPS. Journal of Neurochemistry, 2001, 76, 1042-1049.	4.0	56
111	NADPH oxidase-derived H2O2 mediates the regulatory effects of microglia on astrogliosis in experimental models of Parkinson's disease. Redox Biology, 2017, 12, 162-170.	9.1	55
112	Changes of hippocampal Cu/Zn-superoxide dismutase after kainate treatment in the rat. Brain Research, 2000, 853, 215-226.	2.3	54
113	Protective effect of dextromethorphan against endotoxic shock in mice. Biochemical Pharmacology, 2005, 69, 233-240.	4.6	54
114	Low-Dose Lipopolysaccharide Selectively Sensitizes Hypoxic Ischemia-Induced White Matter Injury in the Immature Brain. Pediatric Research, 2010, 68, 41-47.	2.4	54
115	A novel role of microglial <scp>NADPH</scp> oxidase in mediating extraâ€synaptic function of norepinephrine in regulating brain immune homeostasis. Glia, 2015, 63, 1057-1072.	5.3	54
116	Hypertension and Diagnosis of Parkinsonâ€™s Disease: A Meta-Analysis of Cohort Studies. Frontiers in Neurology, 2018, 9, 162.	2.5	54
117	Loss of Brain Norepinephrine Elicits Neuroinflammation-Mediated Oxidative Injury and Selective Caudo-Rostral Neurodegeneration. Molecular Neurobiology, 2019, 56, 2653-2669.	4.1	54
118	Study of hepatotoxicity of naltrexone in the treatment of alcoholism. Alcohol, 2006, 38, 117-120.	2.0	52
119	Prostaglandin E2 released from activated microglia enhances astrocyte proliferation in vitro. Toxicology and Applied Pharmacology, 2009, 238, 64-70.	2.9	52
120	Preparation of Rodent Primary Cultures for Neuronâ€“Glia, Mixed Glia, Enriched Microglia, and Reconstituted Cultures with Microglia. Methods in Molecular Biology, 2013, 1041, 231-240.	0.0	52
121	Molecular consequences of activated microglia in the brain: overactivation induces apoptosis. Journal of Neurochemistry, 2008, 77, 182-189.	4.0	48
122	NADPH oxidase inhibitor DPI is neuroprotective at femtomolar concentrations through inhibition of microglia over-activation. Parkinsonism and Related Disorders, 2007, 13, S316-S320.	2.2	47
123	Subpicomolar diphenyleneiodonium inhibits microglial NADPH oxidase with high specificity and shows great potential as a therapeutic agent for neurodegenerative diseases. Glia, 2014, 62, 2034-2043.	5.3	47
124	PROTEIN TYROSINE KINASE INHIBITORS DECREASE LIPOPOLYSACCHARIDE-INDUCED PROINFLAMMATORY CYTOKINE PRODUCTION IN MIXED GLIA, MICROGLIA-ENRICHED OR ASTROCYTE-ENRICHED CULTURES. Neurochemistry International, 1997, 30, 491-497.	3.9	46
125	Rotenone activates phagocyte NADPH oxidase by binding to its membrane subunit gp91phox. Free Radical Biology and Medicine, 2012, 52, 303-313.	4.5	46
126	Low dose dextromethorphan attenuates moderate experimental autoimmune encephalomyelitis by inhibiting NOX2 and reducing peripheral immune cells infiltration in the spinal cord. Neurobiology of Disease, 2011, 44, 63-72.	4.5	45

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127	Cerebral ischemia/reperfusion injury in rat brain: effects of naloxone. NeuroReport, 2001, 12, 1245-1249.	1.2	44
128	Clozapine metabolites protect dopaminergic neurons through inhibition of microglial NADPH oxidase. Journal of Neuroinflammation, 2016, 13, 110.	7.4	44
129	Formyl-methionyl-leucyl-phenylalanineâ€"Induced Dopaminergic Neurotoxicity via Microglial Activation: A Mediator between Peripheral Infection and Neurodegeneration?. Environmental Health Perspectives, 2008, 116, 593-598.	8.2	43
130	Dextromethorphan reduces oxidative stress and inhibits atherosclerosis and neointima formation in mice. Cardiovascular Research, 2009, 82, 161-169.	3.7	43
131	Î²2 Adrenergic receptor activation induces microglial NADPH oxidase activation and dopaminergic neurotoxicity through an ERKâ€dependent/protein kinase Aâ€independent pathway. Glia, 2009, 57, 1600-1609.	5.3	42
132	Gene Expression Profiling and Chromatin Immunoprecipitation Identify DBN1, SETMAR and HIG2 as Direct Targets of SOX11 in Mantle Cell Lymphoma. PLoS ONE, 2010, 5, e14085.	2.5	42
133	Modulatory effects of [Met5]-enkephalin on interleukin-1Î² secretion from microglia in mixed brain cell cultures. Journal of Neuroimmunology, 1995, 62, 9-17.	2.4	41
134	Transformation of Follicular Lymphoma to Plasmablastic Lymphoma With c-<i>myc</i> Gene Rearrangement. American Journal of Clinical Pathology, 2010, 134, 972-981.	0.7	41
135	The BDNF Val66Met polymorphism and plasma brain-derived neurotrophic factor levels in Han Chinese patients with bipolar disorder and schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2014, 51, 99-104.	5.0	41
136	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in $$pp$$ p p collisions at $$sqrt{s}=7,mathrm{TeV}$$ s = 7 TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	4.0	40
137	The Effects of Add-On Low-Dose Memantine on Cytokine Levels in Bipolar II Depression. Journal of Clinical Psychopharmacology, 2014, 34, 337-343.	1.4	40
138	Regulation of tyrosine hydroxylase gene expression in depolarized non-transformed bovine adrenal medullary cells: second messenger systems and promoter mechanisms. Molecular Brain Research, 1994, 22, 309-319.	2.4	39
139	The Enkephalin System in the Rat Anterior Pituitary:Regulation by Gonadal Steroid Hormones and Psychotropic Drugs. Endocrinology, 1983, 113, 1218-1227.	2.8	38
140	New results on static output feedback <i>H</i>_{â€‰âˆžâ€‰} control for fuzzy singularly perturbed systems: a linear matrix inequality approach. International Journal of Robust and Nonlinear Control, 2013, 23, 681-694.	3.8	38
141	Locus coeruleus neurons are most sensitive to chronic neuroinflammation-induced neurodegeneration. Brain, Behavior, and Immunity, 2020, 87, 359-368.	6.3	38
142	Stromal Plateletâ€"Derived Growth Factor Receptor-Î² Signaling Promotes Breast Cancer Metastasis in the Brain. Cancer Research, 2021, 81, 606-618.	0.9	38
143	Dextromethorphan modulates the AP-1 DNA-binding activity induced by kainic acid. Brain Research, 1999, 824, 125-132.	2.3	37
144	Role of Phagocyte Oxidase in UVA-Induced Oxidative Stress and Apoptosis in Keratinocytes. Journal of Investigative Dermatology, 2005, 125, 560-566.	0.7	37

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145	Squamosamide derivative FLZ protects dopaminergic neurons against inflammation-mediated neurodegeneration through the inhibition of NADPH oxidase activity. Journal of Neuroinflammation, 2008, 5, 21.	7.4	37
146	Ten years of Nature Reviews Neuroscience: insights from the highly cited. Nature Reviews Neuroscience, 2010, 11, 718-726.	10.7	37
147	Inflammation in Patients with Schizophrenia: The Therapeutic Benefits of Risperidone Plus Add-On Dextromethorphan. Journal of NeuroImmune Pharmacology, 2012, 7, 656-664.	4.0	37
148	Noradrenergic dysfunction accelerates LPS-elicited inflammation-related ascending sequential neurodegeneration and deficits in non-motor/motor functions. Brain, Behavior, and Immunity, 2019, 81, 374-387.	6.3	37
149	Inflammationâ€™s Association with Metabolic Profiles before and after a Twelve-Week Clinical Trial in Drug-NaÃ¯ve Patients with Bipolar II Disorder. PLoS ONE, 2013, 8, e66847.	2.5	37
150	Human neuromelanin an endogenous microglial activator for dopaminergic neuron death. Frontiers in Bioscience - Elite, 2013, E5, 1-11.	1.8	37
151	PKCÎ´-dependent p47phox activation mediates methamphetamine-induced dopaminergic neurotoxicity. Free Radical Biology and Medicine, 2018, 115, 318-337.	4.5	36
152	Long-Term Activation of Protein Kinase C by Angiotensin II in Cultured Bovine Adrenal Medullary Cells. Journal of Neurochemistry, 1991, 56, 1292-1298.	4.0	35
153	Behavior, neurochemistry and histology after intranigral lipopolysaccharide injection. NeuroReport, 2002, 13, 277-280.	1.2	35
154	Primary Rat Mesencephalic Neuron-Glia, Neuron-Enriched, Microglia-Enriched, and Astroglia-Enriched Cultures. Methods in Molecular Medicine, 2003, 79, 387-396.	0.0	34
155	Neurons and astroglia govern microglial endotoxin tolerance through macrophage colony-stimulating factor receptor-mediated ERK1/2 signals. Brain, Behavior, and Immunity, 2016, 55, 260-272.	6.3	34
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