Jau-Shyong Hong

List of Publications by Year
in descending order

392 papers	36,339 citations	3930 88 h-index	3911 177 g-index
403 all docs	403 docs citations	403 times ranked	27796 citing authors

#	Article	IF	Citations
1	Microglia-mediated neurotoxicity: uncovering the molecular mechanisms. Nature Reviews Neuroscience, 2007, 8, 57-69.	4.9	3,477
2	Systemic LPS causes chronic neuroinflammation and progressive neurodegeneration. Glia, 2007, 55, 453-462.	2.5	1,778
3	Microglia and inflammation-mediated neurodegeneration: Multiple triggers with a common mechanism. Progress in Neurobiology, 2005, 76, 77-98.	2.8	1,350
4	Aggregated Î±â€synuclein activates microglia: a process leading to disease progression in Parkinson's disease. FASEB Journal, 2005, 19, 533-542.	0.2	1,065
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.	1.3	1,019
6	Regional Difference in Susceptibility to Lipopolysaccharide-Induced Neurotoxicity in the Rat Brain: Role of Microglia. Journal of Neuroscience, 2000, 20, 6309-6316.	1.7	801
7	Why neurodegenerative diseases are progressive: uncontrolled inflammation drives disease progression. Trends in Immunology, 2008, 29, 357-365.	2.9	691
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.	2.1	614
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.	1.3	511
10	NADPH Oxidase Mediates Lipopolysaccharide-induced Neurotoxicity and Proinflammatory Gene Expression in Activated Microglia. Journal of Biological Chemistry, 2004, 279, 1415-1421.	1.6	510
11	Increased systemic and brain cytokine production and neuroinflammation by endotoxin following ethanol treatment. Journal of Neuroinflammation, 2008, 5, 10.	3.1	437
12	Distinct Role for Microglia in Rotenone-Induced Degeneration of Dopaminergic Neurons. Journal of Neuroscience, 2002, 22, 782-790.	1.7	408
13	Role of Nitric Oxide in Inflammationâ€Mediated Neurodegeneration. Annals of the New York Academy of Sciences, 2002, 962, 318-331.	1.8	395
14	Role of oxidative stress in epileptic seizures. Neurochemistry International, 2011, 59, 122-137.	1.9	335
15	Nanometer size diesel exhaust particles are selectively toxic to dopaminergic neurons: the role of microglia, phagocytosis, and NADPH oxidase. FASEB Journal, 2004, 18, 1618-1620.	0.2	320
16	Valproate protects dopaminergic neurons in midbrain neuron/glia cultures by stimulating the release of neurotrophic factors from astrocytes. Molecular Psychiatry, 2006, 11, 1116-1125.	4.1	317
17	Critical Role for Microglial NADPH Oxidase in Rotenone-Induced Degeneration of Dopaminergic Neurons. Journal of Neuroscience, 2003, 23, 6181-6187.	1.7	314
18	Regional distribution of leu and met enkephalin in rat brain. Neuropharmacology, 1977, 16, 303-307.	2.0	308

#	Article	IF	Citations
19	HMGB1 Acts on Microglia Mac1 to Mediate Chronic Neuroinflammation That Drives Progressive Neurodegeneration. Journal of Neuroscience, 2011, 31, 1081-1092.	1.7	305
20	Novel anti-inflammatory therapy for Parkinson's disease. Trends in Pharmacological Sciences, 2003, 24, 395-401.	4.0	303
21	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.	2.8	291
22	Determination of methionine enkephalin in discrete regions of rat brain. Brain Research, 1977, 134, 383-386.	1.1	285
23	Microglia enhance Î²-amyloid peptide-induced toxicity in cortical and mesencephalic neurons by producing reactive oxygen species. Journal of Neurochemistry, 2002, 83, 973-983.	2.1	284
24	Chronic microglial activation and progressive dopaminergic neurotoxicity. Biochemical Society Transactions, 2007, 35, 1127-1132.	1.6	279
25	Neuroinflammation is a key player in Parkinsonâ€™s disease and a prime target for therapy. Journal of Neural Transmission, 2010, 117, 971-979.	1.4	266
26	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.	0.2	263
27	Projections of substance P containing neurons from neostriatum to substantia nigra. Brain Research, 1977, 122, 541-544.	1.1	255
28	Histone deacetylase inhibitors up-regulate astrocyte GDNF and BDNF gene transcription and protect dopaminergic neurons. International Journal of Neuropsychopharmacology, 2008, 11, 1123.	1.0	254
29	Molecular consequences of activated microglia in the brain: overactivation induces apoptosis. Journal of Neurochemistry, 2001, 77, 182-189.	2.1	252
30	Astrogliosis in CNS Pathologies: Is There A Role for Microglia?. Molecular Neurobiology, 2010, 41, 232-241.	1.9	252
31	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.	2.8	240
32	Valproic acid and other histone deacetylase inhibitors induce microglial apoptosis and attenuate lipopolysaccharide-induced dopaminergic neurotoxicity. Neuroscience, 2007, 149, 203-212.	1.1	237
33	Diesel exhaust particles induce oxidative stress, proinflammatory signaling, and Pâ€glycoprotein upâ€regulation at the bloodâ€brain barrier. FASEB Journal, 2008, 22, 2723-2733.	0.2	222
34	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.	1.7	220
35	NADPH oxidase and aging drive microglial activation, oxidative stress, and dopaminergic neurodegeneration following systemic LPS administration. Glia, 2013, 61, 855-868.	2.5	219
36	In utero bacterial endotoxin exposure causes loss of tyrosine hydroxylase neurons in the postnatal rat midbrain. Movement Disorders, 2002, 17, 116-124.	2.2	210

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37	Neuromelanin Activates Microglia and Induces Degeneration of Dopaminergic Neurons: Implications for Progression of Parkinsonâ€™s Disease. Neurotoxicity Research, 2011, 19, 63-72.	1.3	208
38	Role of reactive oxygen species in LPSâ€induced production of prostaglandin E₂ in microglia. Journal of Neurochemistry, 2004, 88, 939-947.	2.1	206
39	Brain injury in a dish: a model for reactive gliosis. Trends in Neurosciences, 1994, 17, 138-142.	4.2	192
40	A pivotal role of matrix metalloproteinaseâ€3 activity in dopaminergic neuronal degeneration via microglial activation. FASEB Journal, 2007, 21, 179-187.	0.2	191
41	Silymarin protects dopaminergic neurons against lipopolysaccharide-induced neurotoxicity by inhibiting microglia activation. European Journal of Neuroscience, 2002, 16, 2103-2112.	1.2	188
42	NADPH oxidases: novel therapeutic targets for neurodegenerative diseases. Trends in Pharmacological Sciences, 2012, 33, 295-303.	4.0	188
43	Dextromethorphan Protects Dopaminergic Neurons against Inflammation-Mediated Degeneration through Inhibition of Microglial Activation. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 212-218.	1.3	186
44	Repeated electroconvulsive shocks and the brain content of endorphins. Brain Research, 1979, 177, 273-278.	1.1	183
45	Synergistic neurotoxic effects of combined treatments with cytokines in murine primary mixed neuron/glia cultures. Journal of Neuroimmunology, 1998, 85, 1-10.	1.1	182
46	Glia-dependent neurotoxicity and neuroprotection in mesencephalic cultures. Brain Research, 1995, 704, 112-116.	1.1	181
47	Neuroprotective effect of dextromethorphan in the MPTP Parkinson's disease model: role of NADPH oxidase. FASEB Journal, 2004, 18, 589-591.	0.2	181
48	Interactive role of the toll-like receptor 4 and reactive oxygen species in LPS-induced microglia activation. Glia, 2005, 52, 78-84.	2.5	179
49	Resveratrol Protects Dopamine Neurons Against Lipopolysaccharide-Induced Neurotoxicity through Its Anti-Inflammatory Actions. Molecular Pharmacology, 2010, 78, 466-477.	1.0	162
50	Cyclooxygenase-2-deficient mice are resistant to 1-methyl-4-phenyl1, 2, 3, 6-tetrahydropyridine-induced damage of dopaminergic neurons in the substantia nigra. Neuroscience Letters, 2002, 329, 354-358.	1.0	157
51	Geneâ€“environment interactions: Key to unraveling the mystery of Parkinson's disease. Progress in Neurobiology, 2011, 94, 1-19.	2.8	156
52	Presence of substance P and GABA in separate striatonigral neurons. Brain Research, 1977, 136, 371-375.	1.1	155
53	Valproate pretreatment protects dopaminergic neurons from LPS-induced neurotoxicity in rat primary midbrain cultures: role of microglia. Molecular Brain Research, 2005, 134, 162-169.	2.5	155
54	Substance P content of substantia nigra after chronic treatment with antischizophrenic drugs. Neuropharmacology, 1978, 17, 83-85.	2.0	148

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55	Novel Neuroprotective Mechanisms of Memantine: Increase in Neurotrophic Factor Release from Astroglia and Anti-Inflammation by Preventing Microglial Activation. Neuropsychopharmacology, 2009, 34, 2344-2357.	2.8	148
56	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.	2.5	147
57	The Role of Microglia in Paraquat-Induced Dopaminergic Neurotoxicity. Antioxidants and Redox Signaling, 2005, 7, 654-661.	2.5	141
58	Increased dopamine release from striata of rats after unilateral nigrostriatal bundle damage. Brain Research, 1988, 461, 335-342.	1.1	138
59	Synergistic dopaminergic neurotoxicity of MPTP and inflammogen lipopolysaccharide: relevance to the etiology of Parkinson's disease. FASEB Journal, 2003, 17, 1-25.	0.2	138
60	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.	3.1	136
61	Chronic treatment with haloperidol accelerates the biosynthesis of enkephalins in rat striatum. Brain Research, 1979, 160, 192-195.	1.1	134
62	Sinomenine, a natural dextrorotatory morphinan analog, is anti-inflammatory and neuroprotective through inhibition of microglial NADPH oxidase. Journal of Neuroinflammation, 2007, 4, 23.	3.1	134
63	Prolonged expression of AP-1 transcription factors in the rat hippocampus after systemic kainate treatment. Journal of Neuroscience, 1994, 14, 3998-4006.	1.7	128
64	Neonatal and Adult 6-Hydroxydopamine-Induced Lesions Differentially Alter Tachykinin and Enkephalin Gene Expression. Journal of Neurochemistry, 1987, 49, 1623-1633.	2.1	123
65	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.	3.3	123
66	Inhibition of microglial activation by the herbal flavonoid baicalein attenuates inflammation-mediated degeneration of dopaminergic neurons. Journal of Neural Transmission, 2005, 112, 331-347.	1.4	119
67	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.	1.3	117
68	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.	0.4	117
69	Kainic acid alters the metabolism of Met5-enkephalin and the level of dynorphin A in the rat hippocampus. Journal of Neuroscience, 1986, 6, 3094-3102.	1.7	116
70	Differential modulation of striatonigral dynorphin and enkephalin by dopamine receptor subtypes. Brain Research, 1990, 507, 57-64.	1.1	115
71	Changes of hippocampal Met-enkephalin content after recurrent motor seizures. Nature, 1980, 285, 231-232.	13.7	114
72	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.	0.4	113

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73	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.	2.0	113
74	Regulation of methionine-enkephalin precursor messenger RNA in rat striatum by haloperidol and lithium. Biochemical and Biophysical Research Communications, 1983, 113, 391-399.	1.0	110
75	Coordinate and differential regulation of phenylethanolamine N-methyltransferase, tyrosine hydroxylase and proenkephalin mRNAs by neural and hormonal mechanisms in cultured bovine adrenal medullary cells. Brain Research, 1990, 510, 277-288.	1.1	109
76	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.	1.3	108
77	Î²2-Adrenergic Receptor Activation Prevents Rodent Dopaminergic Neurotoxicity by Inhibiting Microglia via a Novel Signaling Pathway. Journal of Immunology, 2011, 186, 4443-4454.	0.4	107
78	Reactive microgliosis: extracellular Î¼-calpain and microglia-mediated dopaminergic neurotoxicity. Brain, 2010, 133, 808-821.	3.7	106
79	MPP + â€induced COXâ€2 activation and subsequent dopaminergic neurodegeneration. FASEB Journal, 2005, 19, 1134-1136.	0.2	105
80	Influence of nigrostriatal dopaminergic tone on the biosynthesis of dynorphin and enkephalin in rat striatum. Molecular Brain Research, 1990, 8, 219-225.	2.5	103
81	Reflex splanchnic nerve stimulation increases levels of proenkephalin A mRNA and proenkephalin A-related peptides in the rat adrenal medulla.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 9245-9249.	3.3	100
82	Elevated dynorphin in the hippocampal formation of aged rats: relation to cognitive impairment on a spatial learning task.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 2948-2951.	3.3	97
83	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.	1.3	96
84	Fluoxetine protects neurons against microglial activation-mediated neurotoxicity. Parkinsonism and Related Disorders, 2012, 18, S213-S217.	1.1	96
85	On the locaticn of methicnine enkephalin neurons in rat striatum. Neuropharmacology, 1977, 16, 451-453.	2.0	95
86	Effects of habenular lesions on the substance P content of various brain regions. Brain Research, 1976, 118, 523-525.	1.1	93
87	MAC1 mediates LPSâ€induced production of superoxide by microglia: The role of pattern recognition receptors in dopaminergic neurotoxicity. Glia, 2007, 55, 1362-1373.	2.5	93
88	In vitro model of glial scarring around neuroelectrodes chronically implanted in the CNS. Biomaterials, 2006, 27, 5368-5376.	5.7	92
89	ALTERATIONS IN GABA METABOLISM AND MET-ENKEPHALIN CONTENT IN RAT BRAIN FOLLOWING REPEATED ELECTROCONVULSIVE SHOCKS. Journal of Neurochemistry, 1978, 31, 607-611.	2.1	90
90	Inhibition of IÎºB Kinase-Î² Protects Dopamine Neurons Against Lipopolysaccharide-Induced Neurotoxicity. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 822-833.	1.3	90

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91	Femtomolar concentrations of dextromethorphan protect mesencephalic dopaminergic neurons from inflammatory damage. FASEB Journal, 2005, 19, 489-496.	0.2	88
92	Potent regulation of microgliaâ€derived oxidative stress and dopaminergic neuron survival: substance P vs. dynorphin. FASEB Journal, 2006, 20, 251-258.	0.2	87
93	Selective Killing of Cholinergic Neurons by Microglial Activation in Basal Forebrain Mixed Neuronal/Glial Cultures. Biochemical and Biophysical Research Communications, 1995, 215, 572-577.	1.0	86
94	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.	3.7	86
95	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.	1.4	85
96	Implications of prolonged expression of Fos-related antigens. Trends in Pharmacological Sciences, 1995, 16, 317-321.	4.0	84
97	Amantadine protects dopamine neurons by a dual action: Reducing activation of microglia and inducing expression of GNDF in astroglia. Neuropharmacology, 2011, 61, 574-582.	2.0	84
98	Microglial regulation of immunological and neuroprotective functions of astroglia. Glia, 2015, 63, 118-131.	2.5	84
99	Reduction by naloxone of lipopolysaccharide-induced neurotoxicity in mouse cortical neuronâ€“glia co-cultures. Neuroscience, 2000, 97, 749-756.	1.1	83
100	Curcumin Protects Dopaminergic Neuron Against LPS Induced Neurotoxicity in Primary Rat Neuron/Glia Culture. Neurochemical Research, 2008, 33, 2044-2053.	1.6	83
101	Dynorphin- and enkephalin-like immunoreactivity is altered in limbic- basal ganglia regions of rat brain after repeated electroconvulsive shock. Journal of Neuroscience, 1986, 6, 644-649.	1.7	82
102	Microglial NADPH oxidase is a novel target for femtomolar neuroprotection against oxidative stress. FASEB Journal, 2005, 19, 550-557.	0.2	81
103	Microglia-Mediated Neurotoxicity Is Inhibited by Morphine through an Opioid Receptor-Independent Reduction of NADPH Oxidase Activity. Journal of Immunology, 2007, 179, 1198-1209.	0.4	81
104	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.	1.1	79
105	Microglial MAC1 receptor and PI3K are essential in mediating Î²-amyloid peptide-induced microglial activation and subsequent neurotoxicity. Journal of Neuroinflammation, 2011, 8, 3.	3.1	78
106	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.	0.2	77
107	Clozapine Protects Dopaminergic Neurons from Inflammation-Induced Damage by Inhibiting Microglial Overactivation. Journal of NeuroImmune Pharmacology, 2012, 7, 187-201.	2.1	77
108	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.	0.4	76

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109	Opioids induce convulsions and wet dog shakes in rats: mediation by hippocampal mu, but not delta or kappa opioid receptors. Journal of Neuroscience, 1989, 9, 692-697.	1.7	75
110	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.	2.5	75
111	Transcriptional Factor NF-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Îº</mml:mi></mml:math>B as a Target for Therapy in Parkinson's Disease. Parkinson's Disease, 2011, 2011, 1-8.	0.6	75
112	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.	3.1	75
113	Regulation of the concentration of dynorphin A1â€“8 in the striatonigral pathway by the dopaminergic system. Brain Research, 1986, 398, 390-392.	1.1	74
114	The pentose phosphate pathway regulates chronic neuroinflammation and dopaminergic neurodegeneration. Journal of Neuroinflammation, 2019, 16, 255.	3.1	74
115	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.	1.3	73
116	Amygdaloid kindling increases enkephalin-like immunoreactivity but decreases dynorphin-A-like immunoreactivity in rat hippocampus. Neuroscience Letters, 1986, 71, 31-36.	1.0	71
117	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.	1.3	71
118	Induction of NF-kB-like transcription factors in brain areas susceptible to kainate toxicity. Glia, 1996, 16, 306-315.	2.5	70
119	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.	1.1	70
120	Substance P Exacerbates Dopaminergic Neurodegeneration through Neurokinin-1 Receptor-Independent Activation of Microglial NADPH Oxidase. Journal of Neuroscience, 2014, 34, 12490-12503.	1.7	70
121	Microglial activation contributes to cognitive impairments in rotenone-induced mouse Parkinsonâ€™s disease model. Journal of Neuroinflammation, 2021, 18, 4.	3.1	70
122	Enkephalin in bovine adrenal gland: Multiple molecular forms of [met5]-enkephalin immunoreactive peptides. Neuropharmacology, 1980, 19, 209-215.	2.0	69
123	Cadmium-Induced Toxicity in Rat Primary Mid-brain Neuroglia Cultures: Role of Oxidative Stress from Microglia. Toxicological Sciences, 2007, 98, 488-494.	1.4	69
124	Endotoxin induces a delayed loss of TH-IR neurons in substantia nigra and motor behavioral deficits. NeuroToxicology, 2008, 29, 864-870.	1.4	69
125	Heightened transcription for enzymes involved in norepinephrine biosynthesis in the rat locus coeruleus by immobilization stress. Biological Psychiatry, 1999, 45, 853-862.	0.7	68
126	Research on the Premotor Symptoms of Parkinsonâ€™s Disease: Clinical and Etiological Implications. Environmental Health Perspectives, 2013, 121, 1245-1252.	2.8	68

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127	Role and Mechanism of Microglial Activation in Iron-Induced Selective and Progressive Dopaminergic Neurodegeneration. Molecular Neurobiology, 2014, 49, 1153-1165.	1.9	67
128	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.	1.1	65
129	3â€Hydroxymorphinan is neurotrophic to dopaminergic neurons and is also neuroprotective against LPSâ€induced neurotoxicity. FASEB Journal, 2005, 19, 1-25.	0.2	65
130	Endogenous dynorphin protects against neurotoxin-elicited nigrostriatal dopaminergic neuron damage and motor deficits in mice. Journal of Neuroinflammation, 2012, 9, 124.	3.1	65
131	Low-Dose Memantine Attenuated Morphine Addictive Behavior Through its Anti-Inflammation and Neurotrophic Effects in Rats. Journal of NeuroImmune Pharmacology, 2012, 7, 444-453.	2.1	64
132	Kainate-Induced Changes in Opioid Peptide Genes and AP-1 Protein Expression in the Rat Hippocampus. Journal of Neurochemistry, 1993, 60, 204-211.	2.1	63
133	Pharmacological regulation of APâ€1 transcription factor DNA binding activity 1. FASEB Journal, 1994, 8, 475-478.	0.2	63
134	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.	3.3	62
135	Suberoylanilide hydroxamic acid, a histone deacetylase inhibitor, protects dopaminergic neurons from neurotoxinâ€induced damage. British Journal of Pharmacology, 2012, 165, 494-505.	2.7	62
136	Single or repeated electroconvulsive shocks alter the levels of prodynorphin and proenkephalin mRNAs in rat brain. Molecular Brain Research, 1989, 6, 11-19.	2.5	61
137	Relationship between hippocampal opioid peptides and seizures. Progress in Neurobiology, 1993, 40, 507-528.	2.8	61
138	Influence of neurons on lipopolysaccharide-stimulated production of nitric oxide and tumor necrosis factor-Î± by cultured glia. Brain Research, 2000, 853, 236-244.	1.1	61
139	The Deacetylase HDAC6 Mediates Endogenous Neuritic Tau Pathology. Cell Reports, 2017, 20, 2169-2183.	2.9	61
140	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.	3.1	60
141	Marked Reduction in Gonadal Steroid Hormone Levels in Rats Treated Neonatally with Monosodium <i>L</i>-Glutamate: Further Evidence for Disruption of Hypothalamic-Pituitary-Gonadal Axis Regulation. Neuroendocrinology, 1981, 33, 265-267.	1.2	58
142	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.	1.7	58
143	Regulation of tyrosine hydroxylase and phenylethanolamine N-methyltransferase mRNA levels in the sympathoadrenal system by the pituitary-adrenocortical axis. Molecular Brain Research, 1988, 3, 275-286.	2.5	56
144	Repeated haloperidol administration changes basal release of striatal dopamine and subsequent response to haloperidol challenge. Brain Research, 1989, 484, 389-392.	1.1	56

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145	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.	2.1	56
146	p38 MAP Kinase Is Involved in Lipopolysaccharideâ€Induced Dopaminergic Neuronal Cell Death in Rat Mesencephalic Neuronâ€Glia Cultures. Annals of the New York Academy of Sciences, 2002, 962, 332-346.	1.8	56
147	Proteomic analysis of microglial contribution to mouse strain-dependent dopaminergic neurotoxicity. Glia, 2006, 53, 567-582.	2.5	56
148	Verapamil protects dopaminergic neuron damage through a novel anti-inflammatory mechanism by inhibition of microglial activation. Neuropharmacology, 2011, 60, 373-380.	2.0	56
149	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.	3.1	56
150	Effect of acrylamide on neurotransmitter metabolism and neuropeptide levels in several brain regions and upon circulating hormones. Archives of Toxicology, 1983, 52, 35-43.	1.9	55
151	Time-dependent neurobiological effects of colchicine administered directly into the hippocampus of rats. Brain Research, 1987, 408, 163-172.	1.1	55
152	Suppressed pro-inflammatory response of microglia in CX3CR1 knockout mice. Journal of Neuroimmunology, 2013, 257, 110-115.	1.1	55
153	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.	3.4	55
154	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.	3.9	54
155	Changes of hippocampal Cu/Zn-superoxide dismutase after kainate treatment in the rat. Brain Research, 2000, 853, 215-226.	1.1	53
156	Protective effect of dextromethorphan against endotoxic shock in mice. Biochemical Pharmacology, 2005, 69, 233-240.	2.0	53
157	Low-Dose Lipopolysaccharide Selectively Sensitizes Hypoxic Ischemia-Induced White Matter Injury in the Immature Brain. Pediatric Research, 2010, 68, 41-47.	1.1	53
158	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.	2.5	53
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