

# Jau-Shyong Hong

## List of Publications by Citations

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391  
papers

31,333  
citations

84  
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165  
g-index

402  
ext. papers

33,759  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
391	Microglia-mediated neurotoxicity: uncovering the molecular mechanisms. <i>Nature Reviews Neuroscience</i> , <b>2007</b> , 8, 57-69	13.5	2906
390	Systemic LPS causes chronic neuroinflammation and progressive neurodegeneration. <i>Glia</i> , <b>2007</b> , 55, 453-62	6.2	1449
389	Microglia and inflammation-mediated neurodegeneration: multiple triggers with a common mechanism. <i>Progress in Neurobiology</i> , <b>2005</b> , 76, 77-98	10.9	1162
388	Role of microglia in inflammation-mediated neurodegenerative diseases: mechanisms and strategies for therapeutic intervention. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2003</b> , 304, 1-7	4.7	916
387	Aggregated alpha-synuclein activates microglia: a process leading to disease progression in Parkinson's disease. <i>FASEB Journal</i> , <b>2005</b> , 19, 533-42	0.9	883
386	Regional difference in susceptibility to lipopolysaccharide-induced neurotoxicity in the rat brain: role of microglia. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 6309-16	6.6	716
385	Why neurodegenerative diseases are progressive: uncontrolled inflammation drives disease progression. <i>Trends in Immunology</i> , <b>2008</b> , 29, 357-65	14.4	544
384	Microglial activation-mediated delayed and progressive degeneration of rat nigral dopaminergic neurons: relevance to Parkinson's disease. <i>Journal of Neurochemistry</i> , <b>2002</b> , 81, 1285-97	6	511
383	NADPH oxidase mediates lipopolysaccharide-induced neurotoxicity and proinflammatory gene expression in activated microglia. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 1415-21	5.4	467
382	Histone deacetylase inhibitors exhibit anti-inflammatory and neuroprotective effects in a rat permanent ischemic model of stroke: multiple mechanisms of action. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 321, 892-901	4.7	428
381	Distinct role for microglia in rotenone-induced degeneration of dopaminergic neurons. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 782-90	6.6	370
380	Increased systemic and brain cytokine production and neuroinflammation by endotoxin following ethanol treatment. <i>Journal of Neuroinflammation</i> , <b>2008</b> , 5, 10	10.1	369
379	Role of nitric oxide in inflammation-mediated neurodegeneration. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 962, 318-31	6.5	358
378	Regional distribution of LEU and MET enkephalin in rat brain. <i>Neuropharmacology</i> , <b>1977</b> , 16, 303-7	5.5	297
377	Valproate protects dopaminergic neurons in midbrain neuron/glia cultures by stimulating the release of neurotrophic factors from astrocytes. <i>Molecular Psychiatry</i> , <b>2006</b> , 11, 1116-25	15.1	282
376	Critical role for microglial NADPH oxidase in rotenone-induced degeneration of dopaminergic neurons. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 6181-7	6.6	279
375	Nanometer size diesel exhaust particles are selectively toxic to dopaminergic neurons: the role of microglia, phagocytosis, and NADPH oxidase. <i>FASEB Journal</i> , <b>2004</b> , 18, 1618-20	0.9	279

374	Novel anti-inflammatory therapy for Parkinson's disease. <i>Trends in Pharmacological Sciences</i> , <b>2003</b> , 24, 395-401	13.2	278
373	Microglia enhance beta-amyloid peptide-induced toxicity in cortical and mesencephalic neurons by producing reactive oxygen species. <i>Journal of Neurochemistry</i> , <b>2002</b> , 83, 973-83	6	266
372	Role of oxidative stress in epileptic seizures. <i>Neurochemistry International</i> , <b>2011</b> , 59, 122-37	4.4	262
371	Determination of methionine enkephalin in discrete regions of rat brain. <i>Brain Research</i> , <b>1977</b> , 134, 383-9	6.7	257
370	HMGB1 acts on microglia Mac1 to mediate chronic neuroinflammation that drives progressive neurodegeneration. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 1081-92	6.6	251
369	Projections of substance P containing neurons from neostriatum to substantia nigra. <i>Brain Research</i> , <b>1977</b> , 122, 541-4	3.7	249
368	Chronic microglial activation and progressive dopaminergic neurotoxicity. <i>Biochemical Society Transactions</i> , <b>2007</b> , 35, 1127-32	5.1	240
367	Molecular consequences of activated microglia in the brain: overactivation induces apoptosis. <i>Journal of Neurochemistry</i> , <b>2001</b> , 77, 182-9	6	236
366	Critical role of microglial NADPH oxidase-derived free radicals in the in vitro MPTP model of Parkinson's disease. <i>FASEB Journal</i> , <b>2003</b> , 17, 1954-6	0.9	234
365	Neuroinflammation is a key player in Parkinson's disease and a prime target for therapy. <i>Journal of Neural Transmission</i> , <b>2010</b> , 117, 971-9	4.3	229
364	Neuroinflammation and $\alpha$ -synuclein dysfunction potentiate each other, driving chronic progression of neurodegeneration in a mouse model of Parkinson's disease. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 807-14	8.4	227
363	Astrogliosis in CNS pathologies: is there a role for microglia?. <i>Molecular Neurobiology</i> , <b>2010</b> , 41, 232-41	6.2	215
362	Histone deacetylase inhibitors up-regulate astrocyte GDNF and BDNF gene transcription and protect dopaminergic neurons. <i>International Journal of Neuropsychopharmacology</i> , <b>2008</b> , 11, 1123-34	5.8	208
361	Valproic acid and other histone deacetylase inhibitors induce microglial apoptosis and attenuate lipopolysaccharide-induced dopaminergic neurotoxicity. <i>Neuroscience</i> , <b>2007</b> , 149, 203-12	3.9	204
360	Parkinson's disease and exposure to infectious agents and pesticides and the occurrence of brain injuries: role of neuroinflammation. <i>Environmental Health Perspectives</i> , <b>2003</b> , 111, 1065-73	8.4	202
359	Diesel exhaust particles induce oxidative stress, proinflammatory signaling, and P-glycoprotein up-regulation at the blood-brain barrier. <i>FASEB Journal</i> , <b>2008</b> , 22, 2723-33	0.9	198
358	Synergistic dopaminergic neurotoxicity of the pesticide rotenone and inflammogen lipopolysaccharide: relevance to the etiology of Parkinson's disease. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 1228-36	6.6	192
357	In utero bacterial endotoxin exposure causes loss of tyrosine hydroxylase neurons in the postnatal rat midbrain. <i>Movement Disorders</i> , <b>2002</b> , 17, 116-24	7	184

356	NADPH oxidase and aging drive microglial activation, oxidative stress, and dopaminergic neurodegeneration following systemic LPS administration. <i>Glia</i> , <b>2013</b> , 61, 855-68	9	181
355	Brain injury in a dish: a model for reactive gliosis. <i>Trends in Neurosciences</i> , <b>1994</b> , 17, 138-42	13.3	180
354	Role of reactive oxygen species in LPS-induced production of prostaglandin E2 in microglia. <i>Journal of Neurochemistry</i> , <b>2004</b> , 88, 939-47	6	179
353	Repeated electroconvulsive shocks and the brain content of endorphins. <i>Brain Research</i> , <b>1979</b> , 177, 273-87	3.7	179
352	Dextromethorphan protects dopaminergic neurons against inflammation-mediated degeneration through inhibition of microglial activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2003</b> , 305, 212-8	4.7	173
351	Synergistic neurotoxic effects of combined treatments with cytokines in murine primary mixed neuron/glia cultures. <i>Journal of Neuroimmunology</i> , <b>1998</b> , 85, 1-10	3.5	171
350	Neuromelanin activates microglia and induces degeneration of dopaminergic neurons: implications for progression of Parkinson's disease. <i>Neurotoxicity Research</i> , <b>2011</b> , 19, 63-72	4.3	169
349	Silymarin protects dopaminergic neurons against lipopolysaccharide-induced neurotoxicity by inhibiting microglia activation. <i>European Journal of Neuroscience</i> , <b>2002</b> , 16, 2103-12	3.5	169
348	Glia-dependent neurotoxicity and neuroprotection in mesencephalic cultures. <i>Brain Research</i> , <b>1995</b> , 704, 112-6	3.7	164
347	A pivotal role of matrix metalloproteinase-3 activity in dopaminergic neuronal degeneration via microglial activation. <i>FASEB Journal</i> , <b>2007</b> , 21, 179-87	0.9	163
346	Neuroprotective effect of dextromethorphan in the MPTP Parkinson's disease model: role of NADPH oxidase. <i>FASEB Journal</i> , <b>2004</b> , 18, 589-91	0.9	163
345	Presence of substance P and GABA in separate striatonigral neurons. <i>Brain Research</i> , <b>1977</b> , 136, 371-5	3.7	154
344	NADPH oxidases: novel therapeutic targets for neurodegenerative diseases. <i>Trends in Pharmacological Sciences</i> , <b>2012</b> , 33, 295-303	13.2	153
343	Interactive role of the toll-like receptor 4 and reactive oxygen species in LPS-induced microglia activation. <i>Glia</i> , <b>2005</b> , 52, 78-84	9	152
342	Cyclooxygenase-2-deficient mice are resistant to 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine-induced damage of dopaminergic neurons in the substantia nigra. <i>Neuroscience Letters</i> , <b>2002</b> , 329, 354-8	3.3	149
341	Substance P content of substantia nigra after chronic treatment with antischizophrenic drugs. <i>Neuropharmacology</i> , <b>1978</b> , 17, 83-5	5.5	147
340	Valproate pretreatment protects dopaminergic neurons from LPS-induced neurotoxicity in rat primary midbrain cultures: role of microglia. <i>Molecular Brain Research</i> , <b>2005</b> , 134, 162-9		142
339	Increased dopamine release from striata of rats after unilateral nigrostriatal bundle damage. <i>Brain Research</i> , <b>1988</b> , 461, 335-42	3.7	134

338	Resveratrol protects dopamine neurons against lipopolysaccharide-induced neurotoxicity through its anti-inflammatory actions. <i>Molecular Pharmacology</i> , <b>2010</b> , 78, 466-77	4.3	133
337	The role of microglia in paraquat-induced dopaminergic neurotoxicity. <i>Antioxidants and Redox Signaling</i> , <b>2005</b> , 7, 654-61	8.4	131
336	Novel neuroprotective mechanisms of memantine: increase in neurotrophic factor release from astroglia and anti-inflammation by preventing microglial activation. <i>Neuropsychopharmacology</i> , <b>2009</b> , 34, 2344-57	8.7	130
335	Chronic treatment with haloperidol accelerates the biosynthesis of enkephalins in rat striatum. <i>Brain Research</i> , <b>1979</b> , 160, 192-5	3.7	130
334	Synergistic dopaminergic neurotoxicity of MPTP and inflammogen lipopolysaccharide: relevance to the etiology of Parkinson's disease. <i>FASEB Journal</i> , <b>2003</b> , 17, 1957-9	0.9	129
333	Gene-environment interactions: key to unraveling the mystery of Parkinson's disease. <i>Progress in Neurobiology</i> , <b>2011</b> , 94, 1-19	10.9	127
332	Microglial PHOX and Mac-1 are essential to the enhanced dopaminergic neurodegeneration elicited by A30P and A53T mutant alpha-synuclein. <i>Glia</i> , <b>2007</b> , 55, 1178-88	9	126
331	Prolonged expression of AP-1 transcription factors in the rat hippocampus after systemic kainate treatment. <i>Journal of Neuroscience</i> , <b>1994</b> , 14, 3998-4006	6.6	123
330	Neonatal and adult 6-hydroxydopamine-induced lesions differentially alter tachykinin and enkephalin gene expression. <i>Journal of Neurochemistry</i> , <b>1987</b> , 49, 1623-33	6	120
329	Pro-inflammatory cytokines and lipopolysaccharide induce changes in cell morphology, and upregulation of ERK1/2, iNOS and sPLA <sub>IIA</sub> expression in astrocytes and microglia. <i>Journal of Neuroinflammation</i> , <b>2011</b> , 8, 121	10.1	114
328	Kainic acid alters the metabolism of Met5-enkephalin and the level of dynorphin A in the rat hippocampus. <i>Journal of Neuroscience</i> , <b>1986</b> , 6, 3094-102	6.6	114
327	Differential modulation of striatonigral dynorphin and enkephalin by dopamine receptor subtypes. <i>Brain Research</i> , <b>1990</b> , 507, 57-64	3.7	110
326	Sinomenine, a natural dextrorotatory morphinan analog, is anti-inflammatory and neuroprotective through inhibition of microglial NADPH oxidase. <i>Journal of Neuroinflammation</i> , <b>2007</b> , 4, 23	10.1	108
325	Regulation of methionine-enkephalin precursor messenger RNA in rat striatum by haloperidol and lithium. <i>Biochemical and Biophysical Research Communications</i> , <b>1983</b> , 113, 391-9	3.4	107
324	Changes of hippocampal Met-enkephalin content after recurrent motor seizures. <i>Nature</i> , <b>1980</b> , 285, 231-2	5.4	107
323	Inhibition of microglial activation by the herbal flavonoid baicalein attenuates inflammation-mediated degeneration of dopaminergic neurons. <i>Journal of Neural Transmission</i> , <b>2005</b> , 112, 331-47	4.3	106
322	Potent anti-inflammatory and neuroprotective effects of TGF-beta1 are mediated through the inhibition of ERK and p47phox-Ser345 phosphorylation and translocation in microglia. <i>Journal of Immunology</i> , <b>2008</b> , 181, 660-8	5.3	105
321	Coordinate and differential regulation of phenylethanolamine N-methyltransferase, tyrosine hydroxylase and proenkephalin mRNAs by neural and hormonal mechanisms in cultured bovine adrenal medullary cells. <i>Brain Research</i> , <b>1990</b> , 510, 277-88	3.7	104

320	βSynuclein, a chemoattractant, directs microglial migration via H2O2-dependent Lyn phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E1926-35	11.5	102
319	Macrophage antigen complex-1 mediates reactive microgliosis and progressive dopaminergic neurodegeneration in the MPTP model of Parkinson's disease. <i>Journal of Immunology</i> , <b>2008</b> , 181, 7194-204	5.3	101
318	Influence of nigrostriatal dopaminergic tone on the biosynthesis of dynorphin and enkephalin in rat striatum. <i>Molecular Brain Research</i> , <b>1990</b> , 8, 219-25		99
317	Glycogen synthase kinase-3 negatively regulates anti-inflammatory interleukin-10 for lipopolysaccharide-induced iNOS/NO biosynthesis and RANTES production in microglial cells. <i>Immunology</i> , <b>2009</b> , 128, e275-86	7.8	98
316	MPP+-induced COX-2 activation and subsequent dopaminergic neurodegeneration. <i>FASEB Journal</i> , <b>2005</b> , 19, 1134-6	0.9	97
315	Andrographolide reduces inflammation-mediated dopaminergic neurodegeneration in mesencephalic neuron-glia cultures by inhibiting microglial activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 308, 975-83	4.7	96
314	On the location of methionine enkephalin neurons in rat striatum. <i>Neuropharmacology</i> , <b>1977</b> , 16, 451-3	5.5	94
313	Interleukin-10 protects lipopolysaccharide-induced neurotoxicity in primary midbrain cultures by inhibiting the function of NADPH oxidase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 319, 44-52	4.7	92
312	Effects of habenular lesions on the substance P content of various brain regions. <i>Brain Research</i> , <b>1976</b> , 118, 523-5	3.7	90
311	Reactive microgliosis: extracellular micro-calpain and microglia-mediated dopaminergic neurotoxicity. <i>Brain</i> , <b>2010</b> , 133, 808-21	11.2	88
310	α-adrenergic receptor activation prevents rodent dopaminergic neurotoxicity by inhibiting microglia via a novel signaling pathway. <i>Journal of Immunology</i> , <b>2011</b> , 186, 4443-54	5.3	86
309	Inhibition by naloxone stereoisomers of beta-amyloid peptide (1-42)-induced superoxide production in microglia and degeneration of cortical and mesencephalic neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2002</b> , 302, 1212-9	4.7	86
308	Elevated dynorphin in the hippocampal formation of aged rats: relation to cognitive impairment on a spatial learning task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1989</b> , 86, 2948-51	11.5	85
307	Fluoxetine protects neurons against microglial activation-mediated neurotoxicity. <i>Parkinsonism and Related Disorders</i> , <b>2012</b> , 18 Suppl 1, S213-7	3.6	83
306	Potent regulation of microglia-derived oxidative stress and dopaminergic neuron survival: substance P vs. dynorphin. <i>FASEB Journal</i> , <b>2006</b> , 20, 251-8	0.9	83
305	Reflex splanchnic nerve stimulation increases levels of proenkephalin A mRNA and proenkephalin A-related peptides in the rat adrenal medulla. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1986</b> , 83, 9245-9	11.5	83
304	Selective killing of cholinergic neurons by microglial activation in basal forebrain mixed neuronal/glia cultures. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 215, 572-7	3.4	82
303	Dynorphin- and enkephalin-like immunoreactivity is altered in limbic-basal ganglia regions of rat brain after repeated electroconvulsive shock. <i>Journal of Neuroscience</i> , <b>1986</b> , 6, 644-9	6.6	82



302	Alterations in GABA metabolism and Met-enkephalin content in rat brain following repeated electroconvulsive shocks. <i>Journal of Neurochemistry</i> , <b>1978</b> , 31, 607-11	6	82
301	In vitro model of glial scarring around neuroelectrodes chronically implanted in the CNS. <i>Biomaterials</i> , <b>2006</b> , 27, 5368-76	15.6	81
300	Implications of prolonged expression of Fos-related antigens. <i>Trends in Pharmacological Sciences</i> , <b>1995</b> , 16, 317-21	13.2	81
299	Femtomolar concentrations of dextromethorphan protect mesencephalic dopaminergic neurons from inflammatory damage. <i>FASEB Journal</i> , <b>2005</b> , 19, 489-96	0.9	80
298	MAC1 mediates LPS-induced production of superoxide by microglia: the role of pattern recognition receptors in dopaminergic neurotoxicity. <i>Glia</i> , <b>2007</b> , 55, 1362-73	9	78
297	Reduction by naloxone of lipopolysaccharide-induced neurotoxicity in mouse cortical neuron-glia co-cultures. <i>Neuroscience</i> , <b>2000</b> , 97, 749-56	3.9	77
296	Release of immunoreactive Met-enkephalin from the spinal cord by intraventricular beta-endorphin but not morphine in anesthetized rats. <i>Brain Research</i> , <b>1985</b> , 343, 60-9	3.7	77
295	Microglia-mediated neurotoxicity is inhibited by morphine through an opioid receptor-independent reduction of NADPH oxidase activity. <i>Journal of Immunology</i> , <b>2007</b> , 179, 1198-209	5.3	74
294	Microglial NADPH oxidase is a novel target for femtomolar neuroprotection against oxidative stress. <i>FASEB Journal</i> , <b>2005</b> , 19, 550-7	0.9	74
293	The effects of the HIV-1 envelope protein gp120 on the production of nitric oxide and proinflammatory cytokines in mixed glial cell cultures. <i>Cellular Immunology</i> , <b>1996</b> , 172, 77-83	4.4	74
292	Post-treatment with an ultra-low dose of NADPH oxidase inhibitor diphenyleneiodonium attenuates disease progression in multiple Parkinson's disease models. <i>Brain</i> , <b>2015</b> , 138, 1247-62	11.2	73
291	Inhibition of IkappaB kinase-beta protects dopamine neurons against lipopolysaccharide-induced neurotoxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2010</b> , 333, 822-33	4.7	72
290	Curcumin protects dopaminergic neuron against LPS induced neurotoxicity in primary rat neuron/glia culture. <i>Neurochemical Research</i> , <b>2008</b> , 33, 2044-53	4.6	72
289	Systemic administration of kainic acid differentially regulates the levels of prodynorphin and proenkephalin mRNA and peptides in the rat hippocampus. <i>Molecular Brain Research</i> , <b>1991</b> , 9, 79-86		72
288	Regulation of the concentration of dynorphin A1-8 in the striatonigral pathway by the dopaminergic system. <i>Brain Research</i> , <b>1986</b> , 398, 390-2	3.7	71
287	Microglial regulation of immunological and neuroprotective functions of astroglia. <i>Glia</i> , <b>2015</b> , 63, 118-319		68
286	Amantadine protects dopamine neurons by a dual action: reducing activation of microglia and inducing expression of GDNF in astroglia [corrected]. <i>Neuropharmacology</i> , <b>2011</b> , 61, 574-82	5.5	67
285	3-Hydroxymorphinan, a metabolite of dextromethorphan, protects nigrostriatal pathway against MPTP-elicited damage both in vivo and in vitro. <i>FASEB Journal</i> , <b>2006</b> , 20, 2496-511	0.9	67

284	Amygdaloid kindling increases enkephalin-like immunoreactivity but decreases dynorphin-A-like immunoreactivity in rat hippocampus. <i>Neuroscience Letters</i> , <b>1986</b> , 71, 31-6	3.3	67
283	Heightened transcription for enzymes involved in norepinephrine biosynthesis in the rat locus coeruleus by immobilization stress. <i>Biological Psychiatry</i> , <b>1999</b> , 45, 853-62	7.9	66
282	Induction of NF-kB-like transcription factors in brain areas susceptible to kainate toxicity. <i>Glia</i> , <b>1996</b> , 16, 306-15	9	66
281	Clozapine protects dopaminergic neurons from inflammation-induced damage by inhibiting microglial overactivation. <i>Journal of NeuroImmune Pharmacology</i> , <b>2012</b> , 7, 187-201	6.9	65
280	Opioids induce convulsions and wet dog shakes in rats: mediation by hippocampal mu, but not delta or kappa opioid receptors. <i>Journal of Neuroscience</i> , <b>1989</b> , 9, 692-7	6.6	65
279	Inducible nitric oxide synthase is key to peroxynitrite-mediated, LPS-induced protein radical formation in murine microglial BV2 cells. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 73, 51-9	7.8	64
278	Pituitary adenylate cyclase-activating polypeptide (PACAP) 38 and PACAP4-6 are neuroprotective through inhibition of NADPH oxidase: potent regulators of microglia-mediated oxidative stress. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 319, 595-603	4.7	64
277	Enkephalin in bovine adrenal gland: multiple molecular forms of [Met5]-enkephalin immunoreactive peptides. <i>Neuropharmacology</i> , <b>1980</b> , 19, 209-15	5.5	63
276	Microglial MAC1 receptor and PI3K are essential in mediating $\beta$ amyloid peptide-induced microglial activation and subsequent neurotoxicity. <i>Journal of Neuroinflammation</i> , <b>2011</b> , 8, 3	10.1	62
275	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. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 12	10.1	61
274	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. <i>Brain Research</i> , <b>2000</b> , 854, 224-9	3.7	61
273	Protein tyrosine kinase inhibitors suppress the production of nitric oxide in mixed glia, microglia-enriched or astrocyte-enriched cultures. <i>Brain Research</i> , <b>1996</b> , 729, 102-109	3.7	61
272	Endogenous dynorphin protects against neurotoxin-elicited nigrostriatal dopaminergic neuron damage and motor deficits in mice. <i>Journal of Neuroinflammation</i> , <b>2012</b> , 9, 124	10.1	60
271	Cadmium-induced toxicity in rat primary mid-brain neuroglia cultures: role of oxidative stress from microglia. <i>Toxicological Sciences</i> , <b>2007</b> , 98, 488-94	4.4	60
270	Single or repeated electroconvulsive shocks alter the levels of prodynorphin and proenkephalin mRNAs in rat brain. <i>Molecular Brain Research</i> , <b>1989</b> , 6, 11-9		60
269	CD11b/CD18 (Mac-1) is a novel surface receptor for extracellular double-stranded RNA to mediate cellular inflammatory responses. <i>Journal of Immunology</i> , <b>2013</b> , 190, 115-25	5.3	59
268	Relationship between hippocampal opioid peptides and seizures. <i>Progress in Neurobiology</i> , <b>1993</b> , 40, 507-28	10.9	59
267	Substance P exacerbates dopaminergic neurodegeneration through neurokinin-1 receptor-independent activation of microglial NADPH oxidase. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 12490-503	6.6	58



266	Kainate-induced changes in opioid peptide genes and AP-1 protein expression in the rat hippocampus. <i>Journal of Neurochemistry</i> , <b>1993</b> , 60, 204-11	6	58
265	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 9422-7	11.5	57
264	Pharmacological regulation of AP-1 transcription factor DNA binding activity. <i>FASEB Journal</i> , <b>1994</b> , 8, 475-8	0.9	57
263	3-hydroxymorphinan is neurotrophic to dopaminergic neurons and is also neuroprotective against LPS-induced neurotoxicity. <i>FASEB Journal</i> , <b>2005</b> , 19, 395-7	0.9	56
262	Proteomic analysis of microglial contribution to mouse strain-dependent dopaminergic neurotoxicity. <i>Glia</i> , <b>2006</b> , 53, 567-82	9	55
261	Influence of neurons on lipopolysaccharide-stimulated production of nitric oxide and tumor necrosis factor-alpha by cultured glia. <i>Brain Research</i> , <b>2000</b> , 853, 236-44	3.7	55
260	Role and mechanism of microglial activation in iron-induced selective and progressive dopaminergic neurodegeneration. <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 1153-65	6.2	54
259	Research on the premotor symptoms of Parkinson's disease: clinical and etiological implications. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 1245-52	8.4	54
258	Transcriptional Factor NF- $\kappa$ B as a Target for Therapy in Parkinson's Disease. <i>Parkinson's Disease</i> , <b>2011</b> , 2011, 216298	2.6	54
257	Endotoxin induces a delayed loss of TH-IR neurons in substantia nigra and motor behavioral deficits. <i>NeuroToxicology</i> , <b>2008</b> , 29, 864-70	4.4	53
256	Repeated haloperidol administration changes basal release of striatal dopamine and subsequent response to haloperidol challenge. <i>Brain Research</i> , <b>1989</b> , 484, 389-92	3.7	52
255	Low-dose memantine attenuated morphine addictive behavior through its anti-inflammation and neurotrophic effects in rats. <i>Journal of NeuroImmune Pharmacology</i> , <b>2012</b> , 7, 444-53	6.9	51
254	Suberoylanilide hydroxamic acid, a histone deacetylase inhibitor, protects dopaminergic neurons from neurotoxin-induced damage. <i>British Journal of Pharmacology</i> , <b>2012</b> , 165, 494-505	8.6	51
253	p38 MAP kinase is involved in lipopolysaccharide-induced dopaminergic neuronal cell death in rat mesencephalic neuron-glia cultures. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 962, 332-46	6.5	51
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251	Regulation of tyrosine hydroxylase and phenylethanolamine N-methyltransferase mRNA levels in the sympathoadrenal system by the pituitary-adrenocortical axis. <i>Molecular Brain Research</i> , <b>1988</b> , 427, 275-86		51
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249	Changes of hippocampal Cu/Zn-superoxide dismutase after kainate treatment in the rat. <i>Brain Research</i> , <b>2000</b> , 853, 215-26	3.7	49

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242	Extracellular concentrations of amino acid transmitters in ventral hippocampus during and after the development of kindling. <i>Brain Research</i> , <b>1991</b> , 540, 315-8	3.7	47
241	Low-dose lipopolysaccharide selectively sensitizes hypoxic ischemia-induced white matter injury in the immature brain. <i>Pediatric Research</i> , <b>2010</b> , 68, 41-7	3.2	46
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113	Role of inflammation in the pathogenesis of Parkinson's disease: models, mechanisms, and therapeutic interventions. <i>Annals of the New York Academy of Sciences</i> , <b>2005</b> , 1053, 151-2	6.5	15
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