

Sushruta Koppula

List of Publications by Year in descending order

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72
papers

2,117
citations

236833

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h-index

254106

43
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73
all docs

73
docs citations

73
times ranked

3513
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Free Radicals in the Aging Brain and Parkinson's Disease: Convergence and Parallelism. International Journal of Molecular Sciences, 2012, 13, 10478-10504.	1.8	174
2	Inhibitors of Microglial Neurotoxicity: Focus on Natural Products. Molecules, 2011, 16, 1021-1043.	1.7	103
3	Î±-Asarone attenuates microglia-mediated neuroinflammation by inhibiting NF kappa B activation and mitigates MPTP-induced behavioral deficits in a mouse model of Parkinson's disease. Neuropharmacology, 2015, 97, 46-57.	2.0	93
4	Regulation of Microglia Activity by Glaucocalyxin-A: Attenuation of Lipopolysaccharide-Stimulated Neuroinflammation through NF-Î²B and p38 MAPK Signaling Pathways. PLoS ONE, 2013, 8, e55792.	1.1	87
5	Reactive Oxygen Species and Inhibitors of Inflammatory Enzymes, NADPH Oxidase, and iNOS in Experimental Models of Parkinson's Disease. Mediators of Inflammation, 2012, 2012, 1-16.	1.4	83
6	Protective effects of Gastrodia elata Blume on MPP+-induced cytotoxicity in human dopaminergic SH-SY5Y cells. Journal of Ethnopharmacology, 2010, 130, 290-298.	2.0	71
7	The Role of Bioactive Compounds on the Promotion of Neurite Outgrowth. Molecules, 2012, 17, 6728-6753.	1.7	69
8	BOT-4-one attenuates NLRP3 inflammasome activation: NLRP3 alkylation leading to the regulation of its ATPase activity and ubiquitination. Scientific Reports, 2017, 7, 15020.	1.6	68
9	Nuclear Factor Erythroid 2 - Related Factor 2 Signaling in Parkinson Disease: A Promising Multi Therapeutic Target Against Oxidative Stress, Neuroinflammation and Cell Death. CNS and Neurological Disorders - Drug Targets, 2013, 11, 1015-1029.	0.8	65
10	Adaptogenic and nootropic activities of aqueous extract of Vitis vinifera (grape seed): an experimental study in rat model. BMC Complementary and Alternative Medicine, 2005, 5, 1.	3.7	57
11	BT-11 is effective for enhancing cognitive functions in the elderly humans. Neuroscience Letters, 2009, 465, 157-159.	1.0	54
12	Modulation of LPS-stimulated neuroinflammation in BV-2 microglia by Gastrodia elata: 4-Hydroxybenzyl alcohol is the bioactive candidate. Journal of Ethnopharmacology, 2012, 139, 549-557.	2.0	54
13	Cognitive Enhancing Effects of Alpha Asarone in Amnesic Mice by Influencing Cholinergic and Antioxidant Defense Mechanisms. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1518-1522.	0.6	53
14	Recent Advances on the Neuroprotective Potential of Antioxidants in Experimental Models of Parkinson's Disease. International Journal of Molecular Sciences, 2012, 13, 10608-10629.	1.8	52
15	Anti-inflammatory and anti-allergic effects of Agrimonia pilosa Ledeb extract on murine cell lines and OVA-induced airway inflammation. Journal of Ethnopharmacology, 2012, 140, 213-221.	2.0	51
16	Anti-neuroinflammatory Activity of Kamebakaurin From Isodon japonicus via Inhibition of c-Jun NH2-Terminal Kinase and p38 Mitogen-Activated Protein Kinase Pathway in Activated Microglial Cells. Journal of Pharmacological Sciences, 2011, 116, 296-308.	1.1	50
17	Chrysanthemum morifolium Ramat (CM) extract protects human neuroblastoma SH-SY5Y cells against MPP+-induced cytotoxicity. Journal of Ethnopharmacology, 2009, 126, 447-454.	2.0	44
18	Protective effect of Chrysanthemum indicum Linne against 1-methyl-4-phenylpyridinium ion and lipopolysaccharide-induced cytotoxicity in cellular model of Parkinson's disease. Food and Chemical Toxicology, 2011, 49, 963-973.	1.8	44

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19	<i>Cuminum cyminum</i> extract attenuates scopolamine-induced memory loss and stress-induced urinary biochemical changes in rats: A noninvasive biochemical approach. <i>Pharmaceutical Biology</i> , 2011, 49, 702-708.	1.3	41
20	A novel synthetic derivative of melatonin, 5-hydroxy-2 α -isobutyl-streptochlorin (HIS), inhibits inflammatory responses via regulation of TRIF-dependent signaling and inflammasome activation. <i>Toxicology and Applied Pharmacology</i> , 2015, 284, 227-235.	1.3	34
21	Inflexin attenuates proinflammatory responses and nuclear factor- κ B activation in LPS-treated microglia. <i>European Journal of Pharmacology</i> , 2010, 633, 98-106.	1.7	30
22	Attenuation of neuroinflammatory responses and behavioral deficits by <i>Ligusticum officinale</i> (Makino) Kitag in stimulated microglia and MPTP-induced mouse model of Parkinson's disease. <i>Journal of Ethnopharmacology</i> , 2015, 164, 388-397.	2.0	30
23	Recent Updates in Redox Regulation and Free Radical Scavenging Effects by Herbal Products in Experimental Models of Parkinson's Disease. <i>Molecules</i> , 2012, 17, 11391-11420.	1.7	29
24	Cordycepin, an Active Constituent of Nutrient Powerhouse and Potential Medicinal Mushroom <i>Cordyceps militaris</i> Linn., Ameliorates Age-Related Testicular Dysfunction in Rats. <i>Nutrients</i> , 2019, 11, 906.	1.7	28
25	Ginsenoside metabolite 20(S)-protopanaxatriol from <i>Panax ginseng</i> attenuates inflammation-mediated NLRP3 inflammasome activation. <i>Journal of Ethnopharmacology</i> , 2020, 251, 112564.	2.0	26
26	<i>Lysimachia clethroides</i> Duby extract attenuates inflammatory response in Raw 264.7 macrophages stimulated with lipopolysaccharide and in acute lung injury mouse model. <i>Journal of Ethnopharmacology</i> , 2013, 150, 1007-1015.	2.0	25
27	Anti-neuroinflammatory Activity of a Novel Cannabinoid Derivative by Inhibiting the NF- κ B Signaling Pathway in Lipopolysaccharide-Induced BV-2 Microglial Cells. <i>Journal of Pharmacological Sciences</i> , 2013, 121, 119-130.	1.1	25
28	Necroptosis inhibitors as therapeutic targets in inflammation mediated disorders - a review of the current literature and patents. <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 1239-1256.	2.4	25
29	Protective effects of <i>Cinnamomum cassia</i> (Lamaceae) against gout and septic responses via attenuation of inflammasome activation in experimental models. <i>Journal of Ethnopharmacology</i> , 2017, 205, 173-177.	2.0	25
30	Streptochlorin Suppresses Allergic Dermatitis and Mast Cell Activation via Regulation of Lyn/Fyn and Syk Signaling Pathways in Cellular and Mouse Models. <i>PLoS ONE</i> , 2013, 8, e74194.	1.1	24
31	Attenuation of inflammatory-mediated neurotoxicity by <i>Saururus chinensis</i> extract in LPS-induced BV-2 microglia cells via regulation of NF- κ B signaling and anti-oxidant properties. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 502.	3.7	23
32	<i>Actinidia arguta</i> extract attenuates inflammasome activation: Potential involvement in NLRP3 ubiquitination. <i>Journal of Ethnopharmacology</i> , 2018, 213, 159-165.	2.0	23
33	<i>Carpesium macrocephalum</i> Attenuates Lipopolysaccharide-Induced Inflammation in Macrophages by Regulating the NF- κ B, Akt, and STAT Signaling Pathways. <i>The American Journal of Chinese Medicine</i> , 2013, 41, 927-943.	1.5	21
34	Anti-inflammatory effect of <i>Impatiens textori</i> Miq. extract via inhibition of NLRP3 inflammasome activation in in vitro and in vivo experimental models. <i>Journal of Ethnopharmacology</i> , 2015, 170, 81-87.	2.0	21
35	<i>Cichorium intybus</i> Linn. Extract Prevents Type 2 Diabetes Through Inhibition of NLRP3 Inflammasome Activation. <i>Journal of Medicinal Food</i> , 2016, 19, 310-317.	0.8	21
36	Recent developments in the inhibitors of neuroinflammation and neurodegeneration: inflammatory oxidative enzymes as a drug target. <i>Expert Opinion on Therapeutic Patents</i> , 2010, 20, 1531-1546.	2.4	20

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37	Acorus gramineus inhibits microglia mediated neuroinflammation and prevents neurotoxicity in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced mouse model of Parkinson's disease. Journal of Ethnopharmacology, 2012, 144, 506-513.	2.0	19
38	Emodin attenuates A23187-induced mast cell degranulation and tumor necrosis factor- α secretion through protein kinase C and I κ B kinase 2 signaling. European Journal of Pharmacology, 2014, 723, 501-506.	1.7	18
39	NLRP3 Inflammasome Activation Inhibitors in Inflammation-Associated Cancer Immunotherapy: An Update on the Recent Patents. Recent Patents on Anti-Cancer Drug Discovery, 2018, 13, 106-117.	0.8	18
40	Methylparaben protects 6-hydroxydopamine-induced neurotoxicity in SH-SY5Y cells and improved behavioral impairments in mouse model of Parkinson's disease. NeuroToxicology, 2013, 34, 25-32.	1.4	17
41	Reserpine-induced central effects: pharmacological evidence for the lack of central effects of reserpine methiodide. Canadian Journal of Physiology and Pharmacology, 2005, 83, 509-515.	0.7	16
42	Molecular effects of activated BV-2 microglia by mitochondrial toxin 1-methyl-4-phenylpyridinium. NeuroToxicology, 2012, 33, 147-155.	1.4	16
43	<i>Houttuynia cordata</i> Attenuates Lipid Accumulation via Activation of AMP-Activated Protein Kinase Signaling Pathway in HepG2 Cells. The American Journal of Chinese Medicine, 2014, 42, 651-664.	1.5	16
44	&Cuminum cyminum &Linn (Apiaceae) extract attenuates MPTP-induced oxidative stress and behavioral impairments in mouse model of Parkinson's disease. Tropical Journal of Pharmaceutical Research, 2016, 15, 765.	0.2	16
45	Anti-fibrotic effects of <i>Orostachys japonicus</i> A. Berger (Crassulaceae) on hepatic stellate cells and thioacetamide-induced fibrosis in rats. Nutrition Research and Practice, 2017, 11, 470.	0.7	16
46	Novel Small Molecule Inhibitors of Programmed Cell Death (PD)-1, and its Ligand, PD-L1 in Cancer Immunotherapy: A Review Update of Patent Literature. Recent Patents on Anti-Cancer Drug Discovery, 2019, 14, 100-112.	0.8	16
47	Analysis of Epidermal Growth Factor Receptor Related Gene Expression Changes in a Cellular and Animal Model of Parkinson's Disease. International Journal of Molecular Sciences, 2017, 18, 430.	1.8	15
48	MMHD [(S,E)-2-Methyl-1-(2-methylthiazol-4-yl) hexa-1,5-dien-ol], a Novel Synthetic Compound Derived From Epothilone, Suppresses Nuclear Factor- κ B Mediated Cytokine Expression in Lipopolysaccharide-Stimulated BV-2 Microglia. Journal of Pharmacological Sciences, 2010, 112, 158-166.	1.1	14
49	Juniperus rigida Sieb. extract inhibits inflammatory responses via attenuation of TRIF-dependent signaling and inflammasome activation. Journal of Ethnopharmacology, 2016, 190, 91-99.	2.0	14
50	SF-6 attenuates 6-hydroxydopamine-induced neurotoxicity: An in vitro and in vivo investigation in experimental models of Parkinson's disease. Journal of Ethnopharmacology, 2012, 143, 686-694.	2.0	12
51	Inhibitory Effect and Mechanism of Arctium lappa Extract on NLRP3 Inflammasome Activation. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-10.	0.5	12
52	Syneilesis palmata (Thunb.) Maxim. extract attenuates inflammatory responses via the regulation of TRIF-dependent signaling and inflammasome activation. Journal of Ethnopharmacology, 2015, 166, 1-4.	2.0	11
53	Identification and Characterization of NTB451 as a Potential Inhibitor of Necroptosis. Molecules, 2018, 23, 2884.	1.7	11
54	A novel synthetic compound PHID (8-Phenyl-6a, 7, 8, 9, 9a, 10-hexahydro-6H-isoindolo [5, 6-g]) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 72 of reactive oxygen species generation and JNK signaling. European Journal of Pharmacology, 2011, 650, 48-57.	1.7	9

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55	Anti-hepatofibrosis effect of <i>Allium senescens</i> in activated hepatic stellate cells and thioacetamide-induced fibrosis rat model. <i>Pharmaceutical Biology</i> , 2018, 56, 632-642.	1.3	9
56	Cordycepin mitigates spermatogenic and redox related expression in H ₂ O ₂ -exposed Leydig cells and regulates testicular oxidative apoptotic signalling in aged rats. <i>Pharmaceutical Biology</i> , 2022, 60, 404-416.	1.3	9
57	Inhibitory effects of <i>Acorus calamus</i> extracts on mast cell-dependent anaphylactic reactions using mast cell and mouse model. <i>Journal of Ethnopharmacology</i> , 2012, 141, 526-529.	2.0	8
58	<i>Eucalyptus globulus</i> Inhibits Inflammasome-Activated Pro-Inflammatory Responses and Ameliorate Monosodium Urate-Induced Peritonitis in Murine Experimental Model. <i>The American Journal of Chinese Medicine</i> , 2018, 46, 423-433.	1.5	8
59	Potential Nutrients from Natural and Synthetic Sources Targeting Inflammation: A Review of Literature, Clinical Data and Patents. <i>Nutrients</i> , 2021, 13, 4058.	1.7	8
60	MyD88-dependent toll-like receptor signaling is required for murine macrophages response to IS2. <i>International Immunopharmacology</i> , 2011, 11, 1578-1583.	1.7	7
61	<i>Rhus javanica</i> Linn protects against hydrogen peroxide-induced toxicity in human Chang liver cells via attenuation of oxidative stress and apoptosis signaling. <i>Molecular Medicine Reports</i> , 2016, 13, 1019-1025.	1.1	7
62	Low concentrations of doxycycline attenuates FasL-induced apoptosis in HeLa cells. <i>Biological Research</i> , 2015, 48, 38.	1.5	6
63	Anti-inflammatory properties of <i>Morus bombycis</i> Koidzumi via inhibiting IFN- γ signaling and NLRP3 inflammasome activation. <i>Journal of Ethnopharmacology</i> , 2015, 176, 424-428.	2.0	6
64	Necrosis inhibitor-5 (NecroX-5), attenuates MPTP-induced motor deficits in a zebrafish model of Parkinson's disease. <i>Genes and Genomics</i> , 2015, 37, 1073-1079.	0.5	6
65	Apigenin Isolated from <i>Carduus crispus</i> Protects against H ₂ O ₂ -Induced Oxidative Damage and Spermatogenic Expression Changes in GC-2spd Sperm Cells. <i>Molecules</i> , 2022, 27, 1777.	1.7	6
66	2-Hydroxy-4-Methylbenzoic Anhydride Inhibits Neuroinflammation in Cellular and Experimental Animal Models of Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8195.	1.8	5
67	Mitigating Effect of <i>Lindera obtusiloba</i> Blume Extract on Neuroinflammation in Microglial Cells and Scopolamine-Induced Amnesia in Mice. <i>Molecules</i> , 2021, 26, 2870.	1.7	5
68	Phosphoinositide 3-kinase inhibitor AS605240 ameliorates streptozotocin-induced Alzheimer's disease like sporadic dementia in experimental rats. <i>EXCLI Journal</i> , 2020, 19, 71-85.	0.5	5
69	attenuates microglia mediated neuroinflammation and MPTP-induced behavioral and oxidative changes in Parkinson's disease mouse model. <i>EXCLI Journal</i> , 2021, 20, 835-850.	0.5	4
70	<i>Indigofera tinctoria</i> Linn (Fabaceae) attenuates cognitive and behavioral deficits in scopolamine-induced amnesic mice. <i>Tropical Journal of Pharmaceutical Research</i> , 2016, 15, 773.	0.2	3
71	Cordycepin from Medicinal Fungi <i>Cordyceps militaris</i> Mitigates Inflammation-Associated Testicular Damage via Regulating NF- κ B/MAPKs Signaling in Naturally Aged Rats. <i>Mycobiology</i> , 2022, 50, 86-95.	0.6	2
72	<i>Chrysanthemum indicum</i> ethanol extract attenuates hepatic stellate cell activation in vitro and thioacetamide-induced hepatofibrosis in rats. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2021, 11, 500.	0.5	1