

Diana Amantea

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,466
citations

218592

26
h-index

206029

48
g-index

68
all docs

68
docs citations

68
times ranked

3675
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-ischemic brain damage: pathophysiology and role of inflammatory mediators. <i>FEBS Journal</i> , 2009, 276, 13-26.	2.2	370
2	From clinical evidence to molecular mechanisms underlying neuroprotection afforded by estrogens. <i>Pharmacological Research</i> , 2005, 52, 119-132.	3.1	180
3	Rational modulation of the innate immune system for neuroprotection in ischemic stroke. <i>Frontiers in Neuroscience</i> , 2015, 9, 147.	1.4	168
4	Neuropharmacology of the essential oil of bergamot. <i>Farmacoterapia</i> , 2010, 81, 453-461.	1.1	100
5	Chemical and biological properties of toxic metals and use of chelating agents for the pharmacological treatment of metal poisoning. <i>Archives of Toxicology</i> , 2010, 84, 501-520.	1.9	95
6	Cell signaling pathways in the mechanisms of neuroprotection afforded by bergamot essential oil against NMDA-induced cell death in vitro. <i>British Journal of Pharmacology</i> , 2007, 151, 518-529.	2.7	85
7	Azithromycin protects mice against ischemic stroke injury by promoting macrophage transition towards M2 phenotype. <i>Experimental Neurology</i> , 2016, 275, 116-125.	2.0	81
8	On the Role of Store-Operated Calcium Entry in Acute and Chronic Neurodegenerative Diseases. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 87.	1.4	77
9	Brain regional and cellular localization of gelatinase activity in rat that have undergone transient middle cerebral artery occlusion. <i>Neuroscience</i> , 2008, 152, 8-17.	1.1	59
10	Excitatory and inhibitory amino acid neurotransmitters in stroke: from neurotoxicity to ischemic tolerance. <i>Current Opinion in Pharmacology</i> , 2017, 35, 111-119.	1.7	58
11	Activation of RXR/PPAR γ underlies neuroprotection by bexarotene in ischemic stroke. <i>Pharmacological Research</i> , 2015, 102, 298-307.	3.1	57
12	Estradiol reduces cytochrome c translocation and minimizes hippocampal damage caused by transient global ischemia in rat. <i>Neuroscience Letters</i> , 2004, 368, 87-91.	1.0	53
13	Early Upregulation of Matrix Metalloproteinases Following Reperfusion Triggers Neuroinflammatory Mediators in Brain Ischemia in Rat. <i>International Review of Neurobiology</i> , 2007, 82, 149-169.	0.9	52
14	Modulation of the endocannabinoid system by focal brain ischemia in the rat is involved in neuroprotection afforded by 17 β -estradiol. <i>FEBS Journal</i> , 2007, 274, 4464-4775.	2.2	51
15	Neuroprotection by leptin in a rat model of permanent cerebral ischemia: effects on STAT3 phosphorylation in discrete cells of the brain. <i>Cell Death and Disease</i> , 2011, 2, e238-e238.	2.7	45
16	Drug repurposing for immune modulation in acute ischemic stroke. <i>Current Opinion in Pharmacology</i> , 2016, 26, 124-130.	1.7	45
17	Temporal profile of vascular changes induced by systemic nitroglycerin in the meningeal and cortical districts. <i>Cephalalgia</i> , 2011, 31, 190-198.	1.8	36
18	Methylprednisolone treatment delays remote cell death after focal brain lesion. <i>Neuroscience</i> , 2008, 154, 1267-1282.	1.1	34

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19	Understanding the Multifaceted Role of Inflammatory Mediators in Ischemic Stroke. <i>Current Medicinal Chemistry</i> , 2014, 21, 2098-2117.	1.2	34
20	Evidence to Implicate Early Modulation of Interleukin-1 β Expression in the Neuroprotection Afforded by 17 β -Estradiol in Male Rats Undergone Transient Middle Cerebral Artery Occlusion. <i>International Review of Neurobiology</i> , 2007, 82, 357-372.	0.9	33
21	The Protective Role of Catalase against Cerebral Ischemia <i>in Vitro</i> and <i>in Vivo</i> . <i>International Journal of Immunopathology and Pharmacology</i> , 2011, 24, 735-747.	1.0	33
22	Identification of distinct cellular pools of interleukin-1 β during the evolution of the neuroinflammatory response induced by transient middle cerebral artery occlusion in the brain of rat. <i>Brain Research</i> , 2010, 1313, 259-269.	1.1	32
23	Chapter 25 Oxidative Stress in Stroke Pathophysiology. <i>International Review of Neurobiology</i> , 2009, 85, 363-374.	0.9	31
24	17 β -Estradiol Reduces Neuronal Apoptosis Induced by HIV-1 gp120 in the Neocortex of Rat. <i>NeuroToxicology</i> , 2005, 26, 893-903.	1.4	29
25	Chapter 27 Prevention of Glutamate Accumulation and Upregulation of Phospho-Akt may Account for Neuroprotection Afforded by Bergamot Essential Oil against Brain Injury Induced by Focal Cerebral Ischemia in Rat. <i>International Review of Neurobiology</i> , 2009, 85, 389-405.	0.9	27
26	Early reperfusion injury is associated to MMP2 and IL-1 β elevation in cortical neurons of rats subjected to middle cerebral artery occlusion. <i>Neuroscience</i> , 2014, 277, 755-763.	1.1	27
27	Self-assembling Dextran prodrug for redox- and pH-responsive co-delivery of therapeutics in cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110537.	2.5	26
28	In search of new targets for retinal neuroprotection: is there a role for autophagy?. <i>Current Opinion in Pharmacology</i> , 2013, 13, 72-77.	1.7	25
29	IkappaB-alpha expression following transient focal cerebral ischemia is modulated by nitric oxide. <i>Brain Research</i> , 2011, 1372, 145-151.	1.1	24
30	Proton Pump Inhibitors and Functional Decline in Older Adults Discharged From Acute Care Hospitals. <i>Journal of the American Geriatrics Society</i> , 2014, 62, 1110-1115.	1.3	23
31	Anticholinergic burden and 1-year mortality among older patients discharged from acute care hospital. <i>Geriatrics and Gerontology International</i> , 2018, 18, 705-713.	0.7	23
32	Endothelial nitric oxide synthase inhibition triggers inflammatory responses in the brain of male rats exposed to ischemia-reperfusion injury. <i>Journal of Neuroscience Research</i> , 2018, 96, 151-159.	1.3	23
33	The Tat antagonist neomycin B hexa-arginine conjugate inhibits gp-120-induced death of human neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2003, 84, 1237-1245.	2.1	22
34	Caspase-1 inhibitors abolish deleterious enhancement of COX-2 expression induced by HIV-1 gp120 in human neuroblastoma cells. <i>Toxicology Letters</i> , 2003, 139, 213-219.	0.4	22
35	Evidence Implicating Matrix Metalloproteinases in the Mechanism Underlying Accumulation of IL-1 β and Neuronal Apoptosis in the Neocortex of HIV/gp120-Exposed Rats. <i>International Review of Neurobiology</i> , 2007, 82, 407-421.	0.9	22
36	Neuroprotective Effect of Nitroglycerin in a Rodent Model of Ischemic Stroke: Evaluation of Bcl-2 Expression. <i>International Review of Neurobiology</i> , 2007, 82, 423-435.	0.9	21

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37	Neuroprotective Properties of a Macrolide Antibiotic in a Mouse Model of Middle Cerebral Artery Occlusion: Characterization of the Immunomodulatory Effects and Validation of the Efficacy of Intravenous Administration. <i>Assay and Drug Development Technologies</i> , 2016, 14, 298-307.	0.6	21
38	Rational Basis for the Use of Bergamot Essential Oil in Complementary Medicine to Treat Chronic Pain. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 721-728.	1.1	20
39	Reduced inhibitory action of a GABAB receptor agonist on [3H]-dopamine release from rat ventral tegmental area in vitro after chronic nicotine administration. <i>BMC Pharmacology</i> , 2004, 4, 24.	0.4	19
40	Neuroprotection by the PARP inhibitor PJ34 modulates cerebral and circulating RAGE levels in rats exposed to focal brain ischemia. <i>European Journal of Pharmacology</i> , 2014, 744, 91-97.	1.7	19
41	Modulation of RAGE Isoforms Expression in the Brain and Plasma of Rats Exposed to Transient Focal Cerebral Ischemia. <i>Neurochemical Research</i> , 2012, 37, 1508-1516.	1.6	17
42	Paradigm Shift to Neuroimmunomodulation for Translational Neuroprotection in Stroke. <i>Frontiers in Neuroscience</i> , 2018, 12, 241.	1.4	17
43	Reduced G-protein coupling to the GABAB receptor in the nucleus accumbens and the medial prefrontal cortex of the rat after chronic treatment with nicotine. <i>Neuroscience Letters</i> , 2004, 355, 161-164.	1.0	16
44	Poly(ADP-ribose) polymerase is not involved in the neuroprotection exerted by azithromycin against ischemic stroke in mice. <i>European Journal of Pharmacology</i> , 2016, 791, 518-522.	1.7	16
45	Facile synthesis of pH-responsive polymersomes based on lipidized PEG for intracellular co-delivery of curcumin and methotrexate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 568-576.	2.5	16
46	Modulation of Cerebral Store-operated Calcium Entry-regulatory Factor (SARAF) and Peripheral Orai1 Following Focal Cerebral Ischemia and Preconditioning in Mice. <i>Neuroscience</i> , 2020, 441, 8-21.	1.1	16
47	Post-ischemic treatment with azithromycin protects ganglion cells against retinal ischemia/reperfusion injury in the rat. <i>Molecular Vision</i> , 2017, 23, 911-921.	1.1	16
48	Neuroprotection by the caspase-1 inhibitor Ac-YVAD-(acyloxy)mk in experimental neuroAIDS is independent from IL-1 β generation. <i>Cell Death and Differentiation</i> , 2005, 12, 999-1001.	5.0	15
49	Azithromycin Affords Neuroprotection in Rat Undergone Transient Focal Cerebral Ischemia. <i>Frontiers in Neuroscience</i> , 2019, 13, 1256.	1.4	15
50	Caspase-1-independent Maturation of IL-1 β in Ischemic Brain Injury: is there a Role for Gelatinases?. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 729-737.	1.1	15
51	Characterization of CB2 Receptor Expression in Peripheral Blood Monocytes of Acute Ischemic Stroke Patients. <i>Translational Stroke Research</i> , 2021, 12, 550-558.	2.3	13
52	Modulation of cerebral RAGE expression following nitric oxide synthase inhibition in rats subjected to focal cerebral ischemia. <i>European Journal of Pharmacology</i> , 2017, 800, 16-22.	1.7	11
53	Combining Dextran Conjugates with Stimuli-Responsive and Folate-Targeting Activity: A New Class of Multifunctional Nanoparticles for Cancer Therapy. <i>Nanomaterials</i> , 2021, 11, 1108.	1.9	11
54	CD163 as a Potential Biomarker of Monocyte Activation in Ischemic Stroke Patients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6712.	1.8	11

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55	Ischemic Preconditioning Modulates the Peripheral Innate Immune System to Promote Anti-Inflammatory and Protective Responses in Mice Subjected to Focal Cerebral Ischemia. <i>Frontiers in Immunology</i> , 2022, 13, 825834.	2.2	8
56	Multicentre translational Trial of Remote Ischaemic Conditioning in Acute Ischaemic Stroke (TRICS): protocol of multicentre, parallel group, randomised, preclinical trial in female and male rat and mouse from the Italian Stroke Organization (ISO) Basic Science network	0.8	7
57	Multicentre translational Trial of Remote Ischaemic Conditioning in Acute Ischaemic Stroke (TRICS): protocol of multicentre, parallel group, randomised, preclinical trial in female and male rat and mouse from. <i>BMJ Open Science</i> , 2020, 44, e100063.	1.7	7
58	Encapsulation of Alpha-Lipoic Acid in Functional Hybrid Liposomes: Promising Tool for the Reduction of Cisplatin-Induced Ototoxicity. <i>Pharmaceuticals</i> , 2022, 15, 394.	1.2	6
59	Systemic administration of sunflower oil exerts neuroprotection in a mouse model of transient focal cerebral ischaemia. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 1776-1783.	1.8	6
60	Plasma Membrane and Organellar Targets of STIM1 for Intracellular Calcium Handling in Health and Neurodegenerative Diseases. <i>Cells</i> , 2021, 10, 2518.	1.7	5
61	Editorial overview: Neurosciences: Brain and immunity: new targets for neuroprotection. <i>Current Opinion in Pharmacology</i> , 2016, 26, v-viii.	3.1	4
62	Outcomes of a pharmacoepidemiological survey on the antibiotic treatment of uncomplicated acute cystitis in community. <i>Pharmacological Research</i> , 2006, 53, 193-196.	1.6	4
63	Polarizing the immune system towards neuroprotection in brain ischemia. <i>Neural Regeneration Research</i> , 2016, 11, 81.	1.3	4
64	Drug repurposing and beyond: the fundamental role of pharmacology. <i>Functional Neurology</i> , 2015, 30, 79-81.	1.3	1
65	Drug repurposing and beyond: the fundamental role of pharmacology. <i>Functional Neurology</i> , 0, , .	0.1	0
66	Polarization of Microglia/Macrophages in Brain Ischaemia: Relevance for Stroke Therapy. <i>Springer Series in Translational Stroke Research</i> , 2017, , 303-328.		0
67	Neuroprotection Following Stroke. , 2021, , .		0
67	Rescuing Ischemic Brain Injury by Targeting the Immune Response through Repositioned Drugs. , 2017, , 287-302.		0