

Rossella Russo

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64 papers	8,672 citations	28 h-index	66 g-index
66 ext. papers	9,647 ext. citations	5.2 avg, IF	4.6 L-index

#	Paper	IF	Citations
64	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
63	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
62	From clinical evidence to molecular mechanisms underlying neuroprotection afforded by estrogens. <i>Pharmacological Research</i> , 2005 , 52, 119-32	10.2	163
61	Calpain-mediated cleavage of Beclin-1 and autophagy deregulation following retinal ischemic injury in vivo. <i>Cell Death and Disease</i> , 2011 , 2, e144	9.8	142
60	HIV/gp120 decreases adult neural progenitor cell proliferation via checkpoint kinase-mediated cell-cycle withdrawal and G1 arrest. <i>Cell Stem Cell</i> , 2007 , 1, 230-6	18	106
59	Neuropharmacology of the essential oil of bergamot. <i>Fitoterapia</i> , 2010 , 81, 453-61	3.2	81
58	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, 518-29	8.6	77
57	Exploitation of cytotoxicity of some essential oils for translation in cancer therapy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 397821	2.3	59
56	Autophagy impairment in a mouse model of neuropathic pain. <i>Molecular Pain</i> , 2011 , 7, 83	3.4	59
55	Retinal ganglion cell death in glaucoma: Exploring the role of neuroinflammation. <i>European Journal of Pharmacology</i> , 2016 , 787, 134-42	5.3	59
54	17Beta-estradiol prevents retinal ganglion cell loss induced by acute rise of intraocular pressure in rat. <i>Progress in Brain Research</i> , 2008 , 173, 583-90	2.9	58
53	CCR5 knockout prevents neuronal injury and behavioral impairment induced in a transgenic mouse model by a CXCR4-using HIV-1 glycoprotein 120. <i>Journal of Immunology</i> , 2014 , 193, 1895-910	5.3	54
52	Rapamycin and fasting sustain autophagy response activated by ischemia/reperfusion injury and promote retinal ganglion cell survival. <i>Cell Death and Disease</i> , 2018 , 9, 981	9.8	53
51	Brain involvement in glaucoma: advanced neuroimaging for understanding and monitoring a new target for therapy. <i>Current Opinion in Pharmacology</i> , 2013 , 13, 128-33	5.1	52
50	Implication of limonene and linalyl acetate in cytotoxicity induced by bergamot essential oil in human neuroblastoma cells. <i>Fitoterapia</i> , 2013 , 89, 48-57	3.2	51
49	Neuroinflammation as a target for glaucoma therapy. <i>Neural Regeneration Research</i> , 2019 , 14, 391-394	4.5	50
48	Increased malondialdehyde concentration and reduced total antioxidant capacity in aqueous humor and blood samples from patients with glaucoma. <i>Molecular Vision</i> , 2013 , 19, 1841-6	2.3	49

47	Rational basis for the development of coenzyme Q10 as a neurotherapeutic agent for retinal protection. <i>Progress in Brain Research</i> , 2008 , 173, 575-82	2.9	48
46	Early upregulation of matrix metalloproteinases following reperfusion triggers neuroinflammatory mediators in brain ischemia in rat. <i>International Review of Neurobiology</i> , 2007 , 82, 149-69	4.4	48
45	Erythropoietin plus insulin-like growth factor-I protects against neuronal damage in a murine model of human immunodeficiency virus-associated neurocognitive disorders. <i>Annals of Neurology</i> , 2010 , 68, 342-52	9.4	44
44	Links among glaucoma, neurodegenerative, and vascular diseases of the central nervous system. <i>Progress in Brain Research</i> , 2015 , 221, 49-65	2.9	42
43	Modulation of pro-survival and death-associated pathways under retinal ischemia/reperfusion: effects of NMDA receptor blockade. <i>Journal of Neurochemistry</i> , 2008 , 107, 1347-57	6	42
42	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	9.8	40
41	Spinal autophagy is differently modulated in distinct mouse models of neuropathic pain. <i>Molecular Pain</i> , 2015 , 11, 3	3.4	39
40	Human adipose-derived stem cells for the treatment of chemically burned rat cornea: preliminary results. <i>Current Eye Research</i> , 2013 , 38, 451-63	2.9	32
39	Role of D-Limonene in autophagy induced by bergamot essential oil in SH-SY5Y neuroblastoma cells. <i>PLoS ONE</i> , 2014 , 9, e113682	3.7	32
38	Intravitreal injection of forskolin, homotaurine, and L-carnosine affords neuroprotection to retinal ganglion cells following retinal ischemic injury. <i>Molecular Vision</i> , 2015 , 21, 718-29	2.3	29
37	New strategies for neuroprotection in glaucoma, a disease that affects the central nervous system. <i>European Journal of Pharmacology</i> , 2016 , 787, 119-26	5.3	29
36	(-)-Linalool attenuates allodynia in neuropathic pain induced by spinal nerve ligation in c57/bl6 mice. <i>International Review of Neurobiology</i> , 2009 , 85, 221-35	4.4	26
35	17beta-estradiol reduces neuronal apoptosis induced by HIV-1 gp120 in the neocortex of rat. <i>NeuroToxicology</i> , 2005 , 26, 893-903	4.4	26
34	Uncovering the Exosomes Diversity: A Window of Opportunity for Tumor Progression Monitoring. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	26
33	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, 755-63	3.9	25
32	Autophagy dysregulation and the fate of retinal ganglion cells in glaucomatous optic neuropathy. <i>Progress in Brain Research</i> , 2015 , 220, 87-105	2.9	24
31	In search of new targets for retinal neuroprotection: is there a role for autophagy?. <i>Current Opinion in Pharmacology</i> , 2013 , 13, 72-7	5.1	24
30	Identification of novel pharmacological targets to minimize excitotoxic retinal damage. <i>International Review of Neurobiology</i> , 2009 , 85, 407-23	4.4	24

29	Toxic profile of bergamot essential oil on survival and proliferation of SH-SY5Y neuroblastoma cells. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2780-92	4.7	22
28	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, 213-9	4.4	22
27	Adipose Derived Stem Cells for Corneal Wound Healing after Laser Induced Corneal Lesions in Mice. <i>Journal of Clinical Medicine</i> , 2017 , 6,	5.1	20
26	Genetic knockouts suggest a critical role for HIV co-receptors in models of HIV gp120-induced brain injury. <i>Journal of NeuroImmune Pharmacology</i> , 2012 , 7, 306-18	6.9	20
25	Evidence implicating matrix metalloproteinases in the mechanism underlying accumulation of IL-1beta and neuronal apoptosis in the neocortex of HIV/gp120-exposed rats. <i>International Review of Neurobiology</i> , 2007 , 82, 407-21	4.4	18
24	Impairment of neuronal glutamate uptake and modulation of the glutamate transporter GLT-1 induced by retinal ischemia. <i>PLoS ONE</i> , 2013 , 8, e69250	3.7	18
23	Isobaric tagging-based quantification by mass spectrometry of differentially regulated proteins in synaptosomes of HIV/gp120 transgenic mice: implications for HIV-associated neurodegeneration. <i>Experimental Neurology</i> , 2012 , 236, 298-306	5.7	17
22	17beta-estradiol protects SH-SY5Y Cells against HIV-1 gp120-induced cell death: evidence for a role of estrogen receptors. <i>NeuroToxicology</i> , 2005 , 26, 905-13	4.4	17
21	Early LC3 lipidation induced by d-limonene does not rely on mTOR inhibition, ERK activation and ROS production and it is associated with reduced clonogenic capacity of SH-SY5Y neuroblastoma cells. <i>Phytomedicine</i> , 2018 , 40, 98-105	6.5	16
20	Post-ischemic treatment with azithromycin protects ganglion cells against retinal ischemia/reperfusion injury in the rat. <i>Molecular Vision</i> , 2017 , 23, 911-921	2.3	16
19	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, 721-8	3.2	15
18	Solid lipid nanoparticles made of trehalose monooleate for cyclosporin-A topic release. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 49, 563-569	4.5	15
17	The Role of Autophagy in Glaucomatous Optic Neuropathy. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 121	5.7	14
16	Rational Basis for Nutraceuticals in the Treatment of Glaucoma. <i>Current Neuropharmacology</i> , 2018 , 16, 1004-1017	7.6	14
15	Neuroprotection by the caspase-1 inhibitor Ac-YVAD-(acyloxy)mk in experimental neuroAIDS is independent from IL-1beta generation. <i>Cell Death and Differentiation</i> , 2005 , 12 Suppl 1, 999-1001	12.7	13
14	Natural compounds and retinal ganglion cell neuroprotection. <i>Progress in Brain Research</i> , 2015 , 220, 257-81	2.1	12
13	Development and Translation of NanoBEO, a Nanotechnology-Based Delivery System of Bergamot Essential Oil Deprived of Furocoumarins, in the Control of Agitation in Severe Dementia. <i>Pharmaceutics</i> , 2021 , 13,	6.4	11
12	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, 729-37	3.2	10

11	The tricyclic antidepressant clomipramine inhibits neuronal autophagic flux. <i>Scientific Reports</i> , 2019 , 9, 4881	4.9	8
10	Natural Products: Evidence for Neuroprotection to Be Exploited in Glaucoma. <i>Nutrients</i> , 2020 , 12,	6.7	8
9	Impact of nutraceuticals on glaucoma: A systematic review. <i>Progress in Brain Research</i> , 2020 , 257, 141-154	4.9	6
8	Chitosan Membranes Filled with Cyclosporine A as Possible Devices for Local Administration of Drugs in the Treatment of Breast Cancer. <i>Molecules</i> , 2021 , 26,	4.8	5
7	Effects of caloric restriction on retinal aging and neurodegeneration. <i>Progress in Brain Research</i> , 2020 , 256, 189-207	2.9	4
6	Death in pain: peripheral nerve injury and spinal neurodegenerative mechanisms. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 49-54	5.1	3
5	Evidence for a role of protein tyrosine kinases in cell death induced by gp120 in CHP100 neuroblastoma cells. <i>Toxicology Letters</i> , 2003 , 139, 207-11	4.4	3
4	Effects of the autophagy modulators d-limonene and chloroquine on vimentin levels in SH-SY5Y cells. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 533, 764-769	3.4	2
3	Autophagy: A Novel Pharmacological Target in Diabetic Retinopathy. <i>Frontiers in Pharmacology</i> , 2021 , 12, 695267	5.6	1
2	The promise of neuroprotection by dietary restriction in glaucoma. <i>Neural Regeneration Research</i> , 2022 , 17, 45-47	4.5	1
1	Imaging biomarkers for Alzheimer's disease and glaucoma: Current and future practices.. <i>Current Opinion in Pharmacology</i> , 2022 , 62, 137-144	5.1	0