

# Rossella Russo

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

10,465  
citations

159585

30  
h-index

106344

65  
g-index

66  
all docs

66  
docs citations

66  
times ranked

23058  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	From clinical evidence to molecular mechanisms underlying neuroprotection afforded by estrogens. <i>Pharmacological Research</i> , 2005, 52, 119-132.	7.1	180
4	Calpain-mediated cleavage of Beclin-1 and autophagy deregulation following retinal ischemic injury in vivo. <i>Cell Death and Disease</i> , 2011, 2, e144-e144.	6.3	161
5	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, 230-236.	11.1	125
6	Neuropharmacology of the essential oil of bergamot. <i>FÄ-toterapÄ-Äç</i> , 2010, 81, 453-461.	2.2	100
7	Exploitation of Cytotoxicity of Some Essential Oils for Translation in Cancer Therapy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-9.	1.2	93
8	Retinal ganglion cell death in glaucoma: Exploring the role of neuroinflammation. <i>European Journal of Pharmacology</i> , 2016, 787, 134-142.	3.5	89
9	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.	6.3	89
10	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.	5.4	85
11	Neuroinflammation as a target for glaucoma therapy. <i>Neural Regeneration Research</i> , 2019, 14, 391.	3.0	85
12	17Î²-Estradiol prevents retinal ganglion cell loss induced by acute rise of intraocular pressure in rat. <i>Progress in Brain Research</i> , 2008, 173, 583-590.	1.4	71
13	Autophagy Impairment in a Mouse Model of Neuropathic Pain. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-83.	2.1	71
14	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, 1895-1910.	0.8	70
15	Links among glaucoma, neurodegenerative, and vascular diseases of the central nervous system. <i>Progress in Brain Research</i> , 2015, 221, 49-65.	1.4	63
16	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.	1.1	63
17	Implication of limonene and linalyl acetate in cytotoxicity induced by bergamot essential oil in human neuroblastoma cells. <i>FÄ-toterapÄ-Äç</i> , 2013, 89, 48-57.	2.2	61
18	Brain involvement in glaucoma: advanced neuroimaging for understanding and monitoring a new target for therapy. <i>Current Opinion in Pharmacology</i> , 2013, 13, 128-133.	3.5	61

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19	Rational basis for the development of coenzyme Q10 as a neurotherapeutic agent for retinal protection. <i>Progress in Brain Research</i> , 2008, 173, 575-582.	1.4	57
20	Erythropoietin plus insulin-like growth factor-1 protects against neuronal damage in a murine model of human immunodeficiency virus-associated neurocognitive disorders. <i>Annals of Neurology</i> , 2010, 68, 342-352.	5.3	54
21	Spinal Autophagy is Differently Modulated in Distinct Mouse Models of Neuropathic Pain. <i>Molecular Pain</i> , 2015, 11, 1744-8069-11-3.	2.1	54
22	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.	2.0	52
23	Modulation of pro-survival and death-associated pathways under retinal ischemia/reperfusion: effects of NMDA receptor blockade. <i>Journal of Neurochemistry</i> , 2008, 107, 1347-1357.	3.9	47
24	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.	6.3	45
25	Role of D-Limonene in Autophagy Induced by Bergamot Essential Oil in SH-SY5Y Neuroblastoma Cells. <i>PLoS ONE</i> , 2014, 9, e113682.	2.5	44
26	Human Adipose-Derived Stem Cells for the Treatment of Chemically Burned Rat Cornea: Preliminary Results. <i>Current Eye Research</i> , 2013, 38, 451-463.	1.5	39
27	New strategies for neuroprotection in glaucoma, a disease that affects the central nervous system. <i>European Journal of Pharmacology</i> , 2016, 787, 119-126.	3.5	39
28	Natural Products: Evidence for Neuroprotection to Be Exploited in Glaucoma. <i>Nutrients</i> , 2020, 12, 3158.	4.1	35
29	Chapter 17 (Linalool Attenuates Allodynia in Neuropathic Pain Induced by Spinal Nerve Ligation in C57/Bl6 Mice. <i>International Review of Neurobiology</i> , 2009, 85, 221-235.	2.0	34
30	Autophagy dysregulation and the fate of retinal ganglion cells in glaucomatous optic neuropathy. <i>Progress in Brain Research</i> , 2015, 220, 87-105.	1.4	31
31	Uncovering the Exosomes Diversity: A Window of Opportunity for Tumor Progression Monitoring. <i>Pharmaceuticals</i> , 2020, 13, 180.	3.8	31
32	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.	1.1	30
33	17 $\beta$ -Estradiol Reduces Neuronal Apoptosis Induced by HIV-1 gp120 in the Neocortex of Rat. <i>NeuroToxicology</i> , 2005, 26, 893-903.	3.0	29
34	The Role of Autophagy in Glaucomatous Optic Neuropathy. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 121.	3.7	29
35	Chapter 28 Identification of Novel Pharmacological Targets to Minimize Excitotoxic Retinal Damage. <i>International Review of Neurobiology</i> , 2009, 85, 407-423.	2.0	28
36	Adipose Derived Stem Cells for Corneal Wound Healing after Laser Induced Corneal Lesions in Mice. <i>Journal of Clinical Medicine</i> , 2017, 6, 115.	2.4	28

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37	Early reperfusion injury is associated to MMP2 and IL-1 $\beta$ elevation in cortical neurons of rats subjected to middle cerebral artery occlusion. <i>Neuroscience</i> , 2014, 277, 755-763.	2.3	27
38	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, 379.	4.5	27
39	In search of new targets for retinal neuroprotection: is there a role for autophagy?. <i>Current Opinion in Pharmacology</i> , 2013, 13, 72-77.	3.5	25
40	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.	3.0	25
41	Toxic profile of bergamot essential oil on survival and proliferation of SH-SY5Y neuroblastoma cells. <i>Food and Chemical Toxicology</i> , 2011, 49, 2780-2792.	3.6	24
42	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, 306-318.	4.1	24
43	Impairment of Neuronal Glutamate Uptake and Modulation of the Glutamate Transporter GLT-1 Induced by Retinal Ischemia. <i>PLoS ONE</i> , 2013, 8, e69250.	2.5	23
44	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.	0.8	22
45	Evidence Implicating Matrix Metalloproteinases in the Mechanism Underlying Accumulation of IL-1 $\beta$ and Neuronal Apoptosis in the Neocortex of HIV/gp120-Exposed Rats. <i>International Review of Neurobiology</i> , 2007, 82, 407-421.	2.0	22
46	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.	5.3	22
47	17 $\beta$ -Estradiol Protects SH-SY5Y Cells Against HIV-1 gp120-Induced Cell Death: Evidence for a Role of Estrogen Receptors. <i>NeuroToxicology</i> , 2005, 26, 905-913.	3.0	21
48	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.	2.4	20
49	Rational Basis for Nutraceuticals in the Treatment of Glaucoma. <i>Current Neuropharmacology</i> , 2018, 16, 1004-1017.	2.9	20
50	Natural compounds and retinal ganglion cell neuroprotection. <i>Progress in Brain Research</i> , 2015, 220, 257-281.	1.4	18
51	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.	4.1	17
52	Autophagy: A Novel Pharmacological Target in Diabetic Retinopathy. <i>Frontiers in Pharmacology</i> , 2021, 12, 695267.	3.5	16
53	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
54	Neuroprotection by the caspase-1 inhibitor Ac-YVAD-(acyloxy)mk in experimental neuroAIDS is independent from IL-1 $\beta$ generation. <i>Cell Death and Differentiation</i> , 2005, 12, 999-1001.	11.2	15

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55	Impact of nutraceuticals on glaucoma: A systematic review. Progress in Brain Research, 2020, 257, 141-154.	1.4	15
56	Caspase-1-independent Maturation of IL-1 $\beta$ in Ischemic Brain Injury: is there a Role for Gelatinases?. Mini-Reviews in Medicinal Chemistry, 2016, 16, 729-737.	2.4	15
57	Chitosan Membranes Filled with Cyclosporine A as Possible Devices for Local Administration of Drugs in the Treatment of Breast Cancer. Molecules, 2021, 26, 1889.	3.8	13
58	The tricyclic antidepressant clomipramine inhibits neuronal autophagic flux. Scientific Reports, 2019, 9, 4881.	3.3	11
59	Death in pain: peripheral nerve injury and spinal neurodegenerative mechanisms. Current Opinion in Pharmacology, 2012, 12, 49-54.	3.5	5
60	Imaging biomarkers for Alzheimer's disease and glaucoma: Current and future practices. Current Opinion in Pharmacology, 2022, 62, 137-144.	3.5	5
61	Effects of the autophagy modulators d-limonene and chloroquine on vimentin levels in SH-SY5Y cells. Biochemical and Biophysical Research Communications, 2020, 533, 764-769.	2.1	4
62	Effects of caloric restriction on retinal aging and neurodegeneration. Progress in Brain Research, 2020, 256, 189-207.	1.4	4
63	Evidence for a role of protein tyrosine kinases in cell death induced by gp120 in CHP100 neuroblastoma cells. Toxicology Letters, 2003, 139, 207-211.	0.8	3
64	The promise of neuroprotection by dietary restriction in glaucoma. Neural Regeneration Research, 2022, 17, 45.	3.0	3
65	Glaucoma: In Search of Better Neurotherapeutics. Current Neuropharmacology, 2018, 16, 902-902.	2.9	0