Rosa-Ana Gonzlez Polo

List of Publications by Year in Descending Order

68 papers	10,678 citations	29 h-index	69 g-index
69 ext. papers	11,721 ext. citations	5.2 avg, IF	4.53 L-index

#	Paper	IF	Citations
68	Biological effects of olive oil phenolic compounds on mitochondria.. *Molecular and Cellular Oncology*, **2022**, 9, 2044263	1.2	2
67	The parkinsonian LRRK2 R1441G mutation shows macroautophagy-mitophagy dysregulation concomitant with endoplasmic reticulum stress. *Cell Biology and Toxicology*, **2021**, 1	7.4	2
66	Links Between Paraquat and Parkinson� Disease **2021**, 1-19		
65	Neuroprotective properties of queen bee acid by autophagy induction. *Cell Biology and Toxicology*, **2021**, 1	7.4	2
64	Toxicity of Necrostatin-1 in Parkinson's Disease Models. *Antioxidants*, **2020**, 9,	7.1	4
63	Metabolic alterations in plasma from patients with familial and idiopathic Parkinson's disease. *Aging*, **2020**, 12, 16690-16708	5.6	10
62	Mitophagy in human astrocytes treated with the antiretroviral drug Efavirenz: Lack of evidence or evidence of the lack. *Antiviral Research*, **2019**, 168, 36-50	10.8	4
61	Impaired Mitophagy and Protein Acetylation Levels in Fibroblasts from Parkinson's Disease Patients. *Molecular Neurobiology*, **2019**, 56, 2466-2481	6.2	30
60	The paradigm of protein acetylation in Parkinson's disease. *Neural Regeneration Research*, **2019**, 14, 975-976	4.5	5
59	ER-mitochondria signaling in Parkinson's disease. *Cell Death and Disease*, **2018**, 9, 337	9.8	67
58	Acetylome in Human Fibroblasts From Parkinson's Disease Patients. *Frontiers in Cellular Neuroscience*, **2018**, 12, 97	6.1	10
57	Turnover of Lipidated LC3 and Autophagic Cargoes in Mammalian Cells. *Methods in Enzymology*, **2017**, 587, 55-70	1.7	12
56	Fluorescent FYVE Chimeras to Quantify PtdIns3P Synthesis During Autophagy. *Methods in Enzymology*, **2017**, 587, 257-269	1.7	4
55	N370S-GBA1 mutation causes lysosomal cholesterol accumulation in Parkinson's disease. *Movement Disorders*, **2017**, 32, 1409-1422	7	48
54	Mitochondria-Associated Membranes (MAMs): Overview and Its Role in Parkinson's Disease. *Molecular Neurobiology*, **2017**, 54, 6287-6303	6.2	45
53	IFDOTMETER: A New Software Application for Automated Immunofluorescence Analysis. *Journal of the Association for Laboratory Automation*, **2016**, 21, 246-59		7
52	The Basics of Autophagy **2016**, 3-20		4

51	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
50	PINK1 deficiency enhances autophagy and mitophagy induction. *Molecular and Cellular Oncology*, **2016**, 3, e1046579	1.2	16
49	Pompe Disease and Autophagy: Partners in Crime, or Cause and Consequence?. *Current Medicinal Chemistry*, **2016**, 23, 2275-85	4.3	3
48	Mitochondria: Key Organelle in Parkinson's Disease. *Parkinson's Disease*, **2016**, 2016, 6230370	2.6	2
47	G2019S Mutation of LRRK2 Increases Autophagy via MEK/ERK Pathway **2016**, 123-142		1
46	mRNA and protein dataset of autophagy markers (LC3 and p62) in several cell lines. *Data in Brief*, **2016**, 7, 641-7	1.2	31
45	Control of Autophagy in Parkinson's Disease. *Current Topics in Neurotoxicity*, **2015**, 91-122		
44	Routine Western blot to check autophagic flux: cautions and recommendations. *Analytical Biochemistry*, **2015**, 477, 13-20	3.1	15
43	Is the Modulation of Autophagy the Future in the Treatment of Neurodegenerative Diseases?. *Current Topics in Medicinal Chemistry*, **2015**, 15, 2152-74	3	8
42	G2019S LRRK2 mutant fibroblasts from Parkinson's disease patients show increased sensitivity to neurotoxin 1-methyl-4-phenylpyridinium dependent of autophagy. *Toxicology*, **2014**, 324, 1-9	4.4	38
41	Mitochondrial impairment increases FL-PINK1 levels by calcium-dependent gene expression. *Neurobiology of Disease*, **2014**, 62, 426-40	7.5	41
40	Links Between Paraquat and Parkinson's Disease **2014**, 819-842		
39	The LRRK2 G2019S mutant exacerbates basal autophagy through activation of the MEK/ERK pathway. *Cellular and Molecular Life Sciences*, **2013**, 70, 121-36	10.3	124
38	Autophagy, mitochondria and 3-nitropropionic acid joined in the same model. *British Journal of Pharmacology*, **2013**, 168, 60-2	8.6	4
37	Implication of autophagy in Parkinson's disease. *Parkinson's Disease*, **2013**, 2013, 436481	2.6	1
36	The MAPK1/3 pathway is essential for the deregulation of autophagy observed in G2019S LRRK2 mutant fibroblasts. *Autophagy*, **2012**, 8, 1537-9	10.2	21
35	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
34	Parkinson's disease: leucine-rich repeat kinase 2 and autophagy, intimate enemies. *Parkinson's Disease*, **2012**, 2012, 151039	2.6	4

33	Possible involvement of the relationship of LRRK2 and autophagy in Parkinson’s disease. *Biochemical Society Transactions*, **2012**, 40, 1129-33	5.1	4
32	Fipronil is a powerful uncoupler of oxidative phosphorylation that triggers apoptosis in human neuronal cell line SHSY5Y. *NeuroToxicology*, **2011**, 32, 935-43	4.4	64
31	ASK1 overexpression accelerates paraquat-induced autophagy via endoplasmic reticulum stress. *Toxicological Sciences*, **2011**, 119, 156-68	4.4	39
30	DJ-1 as a modulator of autophagy: an hypothesis. *Scientific World Journal, The*, **2010**, 10, 1574-9	2.2	4
29	Curcumin exposure induces expression of the Parkinson’s disease-associated leucine-rich repeat kinase 2 (LRRK2) in rat mesencephalic cells. *Neuroscience Letters*, **2010**, 468, 120-4	3.3	22
28	The neuroprotective effect of talipexole from paraquat-induced cell death in dopaminergic neuronal cells. *NeuroToxicology*, **2010**, 31, 701-8	4.4	5
27	Effect of paraquat exposure on nitric oxide-responsive genes in rat mesencephalic cells. *Nitric Oxide - Biology and Chemistry*, **2010**, 23, 51-9	5	10
26	Activation of apoptosis signal-regulating kinase 1 is a key factor in paraquat-induced cell death: modulation by the Nrf2/Trx axis. *Free Radical Biology and Medicine*, **2010**, 48, 1370-81	7.8	96
25	Nitric oxide-mediated toxicity in paraquat-exposed SH-SY5Y cells: a protective role of 7-nitroindazole. *Neurotoxicity Research*, **2009**, 16, 160-73	4.3	30
24	Silencing DJ-1 reveals its contribution in paraquat-induced autophagy. *Journal of Neurochemistry*, **2009**, 109, 889-98	6	61
23	Curcumin enhances paraquat-induced apoptosis of N27 mesencephalic cells via the generation of reactive oxygen species. *NeuroToxicology*, **2009**, 30, 1008-18	4.4	26
22	Identification of genes associated with paraquat-induced toxicity in SH-SY5Y cells by PCR array focused on apoptotic pathways. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2008**, 71, 1457-67	3.2	20
21	Relationship between autophagy and apoptotic cell death in human neuroblastoma cells treated with paraquat: could autophagy be a "brake" in paraquat-induced apoptotic death?. *Autophagy*, **2007**, 3, 366-7	10.2	31
20	Inhibition of paraquat-induced autophagy accelerates the apoptotic cell death in neuroblastoma SH-SY5Y cells. *Toxicological Sciences*, **2007**, 97, 448-58	4.4	113
19	TH1/TH2 cytokines: an easy model to study gene expression in immune cells. *CBE Life Sciences Education*, **2006**, 5, 287-95	3.4	1
18	Low concentrations of paraquat induces early activation of extracellular signal-regulated kinase 1/2, protein kinase B, and c-Jun N-terminal kinase 1/2 pathways: role of c-Jun N-terminal kinase in paraquat-induced cell death. *Toxicological Sciences*, **2006**, 92, 507-15	4.4	29
17	Heat shock proteins protect both MPP(+) and paraquat neurotoxicity. *Brain Research Bulletin*, **2005**, 67, 509-14	3.9	15
16	PK11195 potently sensitizes to apoptosis induction independently from the peripheral benzodiazepin receptor. *Oncogene*, **2005**, 24, 7503-13	9.2	79

15	The apoptosis/autophagy paradox: autophagic vacuolization before apoptotic death. *Journal of Cell Science*, **2005**, 118, 3091-102	5.3	431
14	Inhibition of macroautophagy triggers apoptosis. *Molecular and Cellular Biology*, **2005**, 25, 1025-40	4.8	1411
13	Paraquat-induced apoptotic cell death in cerebellar granule cells. *Brain Research*, **2004**, 1011, 170-6	3.7	85
12	MPP+: mechanism for its toxicity in cerebellar granule cells. *Molecular Neurobiology*, **2004**, 30, 253-64	6.2	25
11	Protection against MPP+ neurotoxicity in cerebellar granule cells by antioxidants. *Cell Biology International*, **2004**, 28, 373-80	4.5	48
10	Viral proteins targeting mitochondria: controlling cell death. *Biochimica Et Biophysica Acta - Bioenergetics*, **2004**, 1659, 178-89	4.6	134
9	Vitamin E blocks early events induced by 1-methyl-4-phenylpyridinium (MPP+) in cerebellar granule cells. *Journal of Neurochemistry*, **2003**, 84, 305-15	6	40
8	Mitochondrial membrane permeabilization is a critical step of lysosome-initiated apoptosis induced by hydroxychloroquine. *Oncogene*, **2003**, 22, 3927-36	9.2	315
7	The chemopreventive agent N-(4-hydroxyphenyl)retinamide induces apoptosis through a mitochondrial pathway regulated by proteins from the Bcl-2 family. *Oncogene*, **2003**, 22, 6220-30	9.2	82
6	Mitochondrion-targeted apoptosis regulators of viral origin. *Biochemical and Biophysical Research Communications*, **2003**, 304, 575-81	3.4	47
5	MPP(+) causes inhibition of cellular energy supply in cerebellar granule cells. *NeuroToxicology*, **2003**, 24, 219-25	4.4	20
4	Diagnostic performance of arginase activity in colorectal cancer. *Clinical and Experimental Medicine*, **2002**, 2, 53-7	4.9	27
3	Lithium inhibits caspase 3 activation and dephosphorylation of PKB and GSK3 induced by K+ deprivation in cerebellar granule cells. *Journal of Neurochemistry*, **2001**, 78, 199-206	6	79
2	Mechanisms of MPP(+) incorporation into cerebellar granule cells. *Brain Research Bulletin*, **2001**, 56, 119-23	3.9	23
1	Different mechanisms of protection against apoptosis by valproate and Li+. *FEBS Journal*, **1999**, 266, 886-91		76