

Katia Aquilano

List of Publications by Citations

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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.

83
papers

9,811
citations

37
h-index

92
g-index

92
ext. papers

11,524
ext. citations

7.1
avg, IF

5.46
L-index

#	Paper	IF	Citations
83	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
82	Immune evasion in cancer: Mechanistic basis and therapeutic strategies. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S185-S198	12.7	738
81	Broad targeting of resistance to apoptosis in cancer. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S78-S103	12.7	368
80	Glutathione: new roles in redox signaling for an old antioxidant. <i>Frontiers in Pharmacology</i> , 2014 , 5, 196	5.6	368
79	Sustained proliferation in cancer: Mechanisms and novel therapeutic targets. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S25-S54	12.7	321
78	Broad targeting of angiogenesis for cancer prevention and therapy. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S224-S243	12.7	314
77	Tissue invasion and metastasis: Molecular, biological and clinical perspectives. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S244-S275	12.7	312
76	Peroxisome proliferator-activated receptor gamma co-activator 1alpha (PGC-1alpha) and sirtuin 1 (SIRT1) reside in mitochondria: possible direct function in mitochondrial biogenesis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21590-9	5.4	248
75	Cancer prevention and therapy through the modulation of the tumor microenvironment. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S199-S223	12.7	201
74	Role of nitric oxide synthases in Parkinson's disease: a review on the antioxidant and anti-inflammatory activity of polyphenols. <i>Neurochemical Research</i> , 2008 , 33, 2416-26	4.6	191
73	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S276-S304	12.7	179
72	Inhibition of influenza A virus replication by resveratrol. <i>Journal of Infectious Diseases</i> , 2005 , 191, 1719-29		178
71	Genomic instability in human cancer: Molecular insights and opportunities for therapeutic attack and prevention through diet and nutrition. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S5-S24	12.7	175
70	Reactive oxygen species-dependent c-Jun NH2-terminal kinase/c-Jun signaling cascade mediates neuroblastoma cell death induced by diallyl disulfide. <i>Cancer Research</i> , 2003 , 63, 5940-9	10.1	139
69	p53 orchestrates the PGC-1 β -mediated antioxidant response upon mild redox and metabolic imbalance. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 386-99	8.4	130
68	Influenza A virus replication is dependent on an antioxidant pathway that involves GSH and Bcl-2. <i>FASEB Journal</i> , 2003 , 17, 758-60	0.9	105
67	PGC-1 β buffers ROS-mediated removal of mitochondria during myogenesis. <i>Cell Death and Disease</i> , 2014 , 5, e1515	9.8	103

66	Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS. <i>Cellular Microbiology</i> , 2015 , 17, 131-45	3.9	90
65	FoxO1 controls lysosomal acid lipase in adipocytes: implication of lipophagy during nutrient restriction and metformin treatment. <i>Cell Death and Disease</i> , 2013 , 4, e861	9.8	82
64	A multi-targeted approach to suppress tumor-promoting inflammation. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S151-S184	12.7	76
63	Isatin-Schiff base copper(II) complexes and their influence on cellular viability. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 1433-40	4.2	73
62	Punctum on two different transcription factors regulated by PGC-1 β nuclear factor erythroid-derived 2-like 2 and nuclear respiratory factor 2. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 4137-46	4	69
61	Evasion of anti-growth signaling: A key step in tumorigenesis and potential target for treatment and prophylaxis by natural compounds. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S55-S77	12.7	67
60	Bcl-2 expression and p38MAPK activity in cells infected with influenza A virus: impact on virally induced apoptosis and viral replication. <i>Journal of Biological Chemistry</i> , 2009 , 284, 16004-15	5.4	65
59	Modulation of intracellular glutathione affects adipogenesis in 3T3-L1 cells. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2016-24	7	59
58	Rapid and transient stimulation of intracellular reactive oxygen species by melatonin in normal and tumor leukocytes. <i>Toxicology and Applied Pharmacology</i> , 2009 , 239, 37-45	4.6	52
57	Nitric oxide is the primary mediator of cytotoxicity induced by GSH depletion in neuronal cells. <i>Journal of Cell Science</i> , 2011 , 124, 1043-54	5.3	49
56	Glutathione-related systems and modulation of extracellular signal-regulated kinases are involved in the resistance of AGS adenocarcinoma gastric cells to diallyl disulfide-induced apoptosis. <i>Cancer Research</i> , 2005 , 65, 11735-42	10.1	49
55	Proline oxidase-adipose triglyceride lipase pathway restrains adipose cell death and tissue inflammation. <i>Cell Death and Differentiation</i> , 2014 , 21, 113-23	12.7	48
54	Mitochondrial damage due to SOD1 deficiency in SH-SY5Y neuroblastoma cells: a rationale for the redundancy of SOD1. <i>FASEB Journal</i> , 2006 , 20, 1683-5	0.9	48
53	Effects of water garlic extracts on cell cycle and viability of HepG2 hepatoma cells. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 742-9	6.3	45
52	Nuclear recruitment of neuronal nitric-oxide synthase by β -syn trophin is crucial for the induction of mitochondrial biogenesis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 365-78	5.4	42
51	Antiapoptotic response to induced GSH depletion: involvement of heat shock proteins and NF-kappaB activation. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 446-55	8.4	42
50	Proteasome activation and nNOS down-regulation in neuroblastoma cells expressing a Cu,Zn superoxide dismutase mutant involved in familial ALS. <i>Journal of Neurochemistry</i> , 2003 , 85, 1324-35	6	42
49	Activation of c-Jun-N-terminal kinase is required for apoptosis triggered by glutathione disulfide in neuroblastoma cells. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 345-54	7.8	41

48	Therapeutic targeting of replicative immortality. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S104-S128	12.7	40
47	Effects of dietary restriction on adipose mass and biomarkers of healthy aging in human. <i>Aging</i> , 2016 , 8, 3341-3355	5.6	37
46	The role of nNOS and PGC-1 α in skeletal muscle cells. <i>Journal of Cell Science</i> , 2014 , 127, 4813-20	5.3	35
45	The Nrf2 induction prevents ferroptosis in Friedreich's Ataxia. <i>Redox Biology</i> , 2021 , 38, 101791	11.3	33
44	Glutathione Decrement Drives Thermogenic Program In Adipose Cells. <i>Scientific Reports</i> , 2015 , 5, 13091	4.9	32
43	Differential role of superoxide and glutathione in S-nitrosoglutathione-mediated apoptosis: a rationale for mild forms of familial amyotrophic lateral sclerosis associated with less active Cu,Zn superoxide dismutase mutants. <i>Journal of Neurochemistry</i> , 2001 , 77, 1433-43	6	32
42	Lipophagy Impairment Is Associated With Disease Progression in NAFLD. <i>Frontiers in Physiology</i> , 2020 , 11, 850	4.6	29
41	Pushing the Limits of Cancer Therapy: The Nutrient Game. <i>Frontiers in Oncology</i> , 2018 , 8, 148	5.3	28
40	FoxO1 at the nexus between fat catabolism and longevity pathways. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 1555-1560	5	27
39	trans-Resveratrol inhibits H ₂ O ₂ -induced adenocarcinoma gastric cells proliferation via inactivation of MEK1/2-ERK1/2-c-Jun signalling axis. <i>Biochemical Pharmacology</i> , 2009 , 77, 337-47	6	26
38	Adipocyte metabolism is improved by TNF receptor-targeting small RNAs identified from dried nuts. <i>Communications Biology</i> , 2019 , 2, 317	6.7	25
37	Oxidative myocardial damage in human cocaine-related cardiomyopathy. <i>European Journal of Heart Failure</i> , 2015 , 17, 283-90	12.3	25
36	Feast and famine: Adipose tissue adaptations for healthy aging. <i>Ageing Research Reviews</i> , 2016 , 28, 85-93	3.2	25
35	Glutathione and copper, zinc superoxide dismutase are modulated by overexpression of neuronal nitric oxide synthase. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 2660-70	5.6	25
34	Frx1 deficiency induces lipid accumulation and affects thermogenesis in brown adipose tissue. <i>Cell Death and Disease</i> , 2020 , 11, 51	9.8	23
33	Garlic-derived diallyl disulfide modulates peroxisome proliferator activated receptor gamma co-activator 1 alpha in neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2013 , 85, 335-44	6	23
32	Neuronal nitric oxide synthase protects neuroblastoma cells from oxidative stress mediated by garlic derivatives. <i>Journal of Neurochemistry</i> , 2007 , 101, 1327-37	6	22
31	Mitochondrial Hormesis links nutrient restriction to improved metabolism in fat cell. <i>Aging</i> , 2015 , 7, 869-86	3.6	22

30	Nrf2 Induction Re-establishes a Proper Neuronal Differentiation Program in Friedreich's Ataxia Neural Stem Cells. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 356	6.1	21
29	Adipose triglyceride lipase decrement affects skeletal muscle homeostasis during aging through FAs-PPAR γ -PGC-1 β antioxidant response. <i>Oncotarget</i> , 2016 , 7, 23019-32	3.3	21
28	Forcing ATGL expression in hepatocarcinoma cells imposes glycolytic rewiring through PPAR- γ -p300-mediated acetylation of p53. <i>Oncogene</i> , 2019 , 38, 1860-1875	9.2	21
27	Glutathione is a crucial guardian of protein integrity in the brain upon nitric oxide imbalance. <i>Communicative and Integrative Biology</i> , 2011 , 4, 477-479	1.7	18
26	Caloric Restriction and the Nutrient-Sensing PGC-1 β in Mitochondrial Homeostasis: New Perspectives in Neurodegeneration. <i>International Journal of Cell Biology</i> , 2012 , 2012, 759583	2.6	18
25	Reactive oxygen and nitrogen species are involved in sorbitol-induced apoptosis of human erithroleukaemia cells K562. <i>Free Radical Research</i> , 2007 , 41, 452-60	4	18
24	Time-controlled fasting prevents aging-like mitochondrial changes induced by persistent dietary fat overload in skeletal muscle. <i>PLoS ONE</i> , 2018 , 13, e0195912	3.7	18
23	Inhibition of age-related cytokines production by ATGL: a mechanism linked to the anti-inflammatory effect of resveratrol. <i>Mediators of Inflammation</i> , 2014 , 2014, 917698	4.3	15
22	Tau dephosphorylation and microfilaments disruption are upstream events of the anti-proliferative effects of DADS in SH-SY5Y cells. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 564-77	5.6	15
21	FoxO1 localizes to mitochondria of adipose tissue and is affected by nutrient stress. <i>Metabolism: Clinical and Experimental</i> , 2019 , 95, 84-92	12.7	14
20	Intermittent Fasting Applied in Combination with Rotenone Treatment Exacerbates Dopamine Neurons Degeneration in Mice. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 4	6.1	14
19	Dietary fat overload reprograms brown fat mitochondria. <i>Frontiers in Physiology</i> , 2015 , 6, 272	4.6	13
18	Transient cytoskeletal alterations after SOD1 depletion in neuroblastoma cells. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 991-1004	10.3	13
17	Interplay of Cu,Zn superoxide dismutase and nitric oxide synthase in neurodegenerative processes. <i>IUBMB Life</i> , 2003 , 55, 629-34	4.7	13
16	Neuronal nitric oxide synthase interacts with Sp1 through the PDZ domain inhibiting Sp1-mediated copper-zinc superoxide dismutase expression. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 163-9	5.6	11
15	Glutathione is a crucial guardian of protein integrity in the brain upon nitric oxide imbalance. <i>Communicative and Integrative Biology</i> , 2011 , 4, 477-9	1.7	11
14	Low-protein/high-carbohydrate diet induces AMPK-dependent canonical and non-canonical thermogenesis in subcutaneous adipose tissue. <i>Redox Biology</i> , 2020 , 36, 101633	11.3	9
13	Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue.. <i>Cell Metabolism</i> , 2022 ,	24.6	9

12	Maternal high calorie diet induces mitochondrial dysfunction and senescence phenotype in subcutaneous fat of newborn mice. <i>Oncotarget</i> , 2017 , 8, 83407-83418	3.3	8
11	An Overview of the Ferroptosis Hallmarks in Friedreich's Ataxia. <i>Biomolecules</i> , 2020 , 10,	5.9	7
10	An overview of deregulated lipid metabolism in nonalcoholic fatty liver disease with special focus on lysosomal acid lipase. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, G469-G480	5.1	6
9	Fasting Drives Nrf2-Related Antioxidant Response in Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
8	Ionizing Radiation-Induced Extracellular Vesicle Release Promotes AKT-Associated Survival Response in SH-SY5Y Neuroblastoma Cells. <i>Cells</i> , 2021 , 10,	7.9	4
7	The multifaceted role of nitric oxide synthases in mitochondrial biogenesis and cell differentiation. <i>Communicative and Integrative Biology</i> , 2015 , 8, e1017158	1.7	3
6	Molecular and histological traits of reduced lysosomal acid lipase activity in the fatty liver. <i>Cell Death and Disease</i> , 2021 , 12, 1092	9.8	1
5	Aging and Immunometabolic Adaptations to Thermogenesis. <i>Ageing Research Reviews</i> , 2020 , 63, 101143	12	1
4	The Role of Glutathione-S Transferase in Psoriasis and Associated Comorbidities and the Effect of Dimethyl Fumarate in This Pathway.. <i>Frontiers in Medicine</i> , 2022 , 9, 760852	4.9	0
3	Revisited role of TRAF2 and TRAF2 C-terminal domain in endoplasmic reticulum stress-induced autophagy in HAP1 leukemia cells.. <i>International Journal of Biochemistry and Cell Biology</i> , 2022 , 106193	5.6	0
2	Glutathione transferase P silencing promotes neuronal differentiation of retinal R28 cells. <i>Journal of Cellular Physiology</i> , 2019 , 234, 15885	7	
1	GSH, Sulfur Amino Acids, and Apoptosis	211-256	