

# Katia Aquilano

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

12,959  
citations

66234

42  
h-index

48187

88  
g-index

92  
all docs

92  
docs citations

92  
times ranked

27027  
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.	4.3	4,701
2	Immune evasion in cancer: Mechanistic basis and therapeutic strategies. <i>Seminars in Cancer Biology</i> , 2015, 35, S185-S198.	4.3	1,122
3	Glutathione: new roles in redox signaling for an old antioxidant. <i>Frontiers in Pharmacology</i> , 2014, 5, 196.	1.6	571
4	Broad targeting of resistance to apoptosis in cancer. <i>Seminars in Cancer Biology</i> , 2015, 35, S78-S103.	4.3	535
5	Sustained proliferation in cancer: Mechanisms and novel therapeutic targets. <i>Seminars in Cancer Biology</i> , 2015, 35, S25-S54.	4.3	468
6	Tissue invasion and metastasis: Molecular, biological and clinical perspectives. <i>Seminars in Cancer Biology</i> , 2015, 35, S244-S275.	4.3	408
7	Broad targeting of angiogenesis for cancer prevention and therapy. <i>Seminars in Cancer Biology</i> , 2015, 35, S224-S243.	4.3	375
8	Peroxisome Proliferator-activated Receptor $\beta$ Co-activator 1 $\alpha$ (PGC-1 $\alpha$ ) and Sirtuin 1 (SIRT1) Reside in Mitochondria. <i>Journal of Biological Chemistry</i> , 2010, 285, 21590-21599.	1.6	294
9	Cancer prevention and therapy through the modulation of the tumor microenvironment. <i>Seminars in Cancer Biology</i> , 2015, 35, S199-S223.	4.3	285
10	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, 2416-2426.	1.6	231
11	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, S5-S24.	4.3	231
12	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015, 35, S276-S304.	4.3	220
13	Inhibition of Influenza A Virus Replication by Resveratrol. <i>Journal of Infectious Diseases</i> , 2005, 191, 1719-1729.	1.9	215
14	p53 Orchestrates the PGC-1 $\alpha$ -Mediated Antioxidant Response Upon Mild Redox and Metabolic Imbalance. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 386-399.	2.5	169
15	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.	0.4	155
16	PGC-1 $\alpha$ buffers ROS-mediated removal of mitochondria during myogenesis. <i>Cell Death and Disease</i> , 2014, 5, e1515-e1515.	2.7	143
17	Influenza A virus replication is dependent on an antioxidant pathway that involves GSH and Bcl-2. <i>FASEB Journal</i> , 2003, 17, 758-760.	0.2	126
18	Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS. <i>Cellular Microbiology</i> , 2015, 17, 131-145.	1.1	122

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19	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-e861.	2.7	105
20	Punctum on two different transcription factors regulated by PGC-1 $\beta$ : Nuclear factor erythroid-derived 2-like 2 and nuclear respiratory factor 2. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4137-4146.	1.1	96
21	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, S55-S77.	4.3	95
22	A multi-targeted approach to suppress tumor-promoting inflammation. <i>Seminars in Cancer Biology</i> , 2015, 35, S151-S184.	4.3	95
23	Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue. <i>Cell Metabolism</i> , 2022, 34, 533-548.e12.	7.2	91
24	Isatin-Schiff base copper(II) complexes and their influence on cellular viability. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1433-1440.	1.5	86
25	Bcl-2 Expression and p38MAPK Activity in Cells Infected with Influenza A Virus. <i>Journal of Biological Chemistry</i> , 2009, 284, 16004-16015.	1.6	85
26	The Nrf2 induction prevents ferroptosis in Friedreich's Ataxia. <i>Redox Biology</i> , 2021, 38, 101791.	3.9	78
27	Modulation of intracellular glutathione affects adipogenesis in 3T3-L1 cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 2016-2024.	2.0	71
28	Lipophagy Impairment Is Associated With Disease Progression in NAFLD. <i>Frontiers in Physiology</i> , 2020, 11, 850.	1.3	70
29	Proline oxidase $\beta$ adipose triglyceride lipase pathway restrains adipose cell death and tissue inflammation. <i>Cell Death and Differentiation</i> , 2014, 21, 113-123.	5.0	61
30	Adipocyte metabolism is improved by TNF receptor-targeting small RNAs identified from dried nuts. <i>Communications Biology</i> , 2019, 2, 317.	2.0	59
31	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.	1.3	58
32	Nitric oxide is the primary mediator of cytotoxicity induced by GSH depletion in neuronal cells. <i>Journal of Cell Science</i> , 2011, 124, 1043-1054.	1.2	56
33	Mitochondrial damage due to SOD1 deficiency in SH-SY5Y neuroblastoma cells: a rationale for the redundancy of SOD1. <i>FASEB Journal</i> , 2006, 20, 1683-1685.	0.2	55
34	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, 11735-11742.	0.4	52
35	Therapeutic targeting of replicative immortality. <i>Seminars in Cancer Biology</i> , 2015, 35, S104-S128.	4.3	49
36	Nuclear Recruitment of Neuronal Nitric-oxide Synthase by $\beta$ -Syntrophin Is Crucial for the Induction of Mitochondrial Biogenesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 365-378.	1.6	48

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37	Effects of water garlic extracts on cell cycle and viability of HepG2 hepatoma cells. <i>Journal of Nutritional Biochemistry</i> , 2006, 17, 742-749.	1.9	47
38	Effects of dietary restriction on adipose mass and biomarkers of healthy aging in human. <i>Aging</i> , 2016, 8, 3341-3355.	1.4	47
39	Frataxin deficiency induces lipid accumulation and affects thermogenesis in brown adipose tissue. <i>Cell Death and Disease</i> , 2020, 11, 51.	2.7	47
40	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, 345-354.	1.3	46
41	Antiapoptotic Response to Induced GSH Depletion: Involvement of Heat Shock Proteins and NF- $\kappa$ B Activation. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 446-455.	2.5	46
42	The role of nNOS and PGC-1 $\beta$ in skeletal muscle cells. <i>Journal of Cell Science</i> , 2014, 127, 4813-20.	1.2	46
43	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, 1324-1335.	2.1	45
44	Glutathione Decrement Drives Thermogenic Program In Adipose Cells. <i>Scientific Reports</i> , 2015, 5, 13091.	1.6	43
45	Forcing ATGL expression in hepatocarcinoma cells imposes glycolytic rewiring through PPAR- $\alpha$ /p300-mediated acetylation of p53. <i>Oncogene</i> , 2019, 38, 1860-1875.	2.6	42
46	Pushing the Limits of Cancer Therapy: The Nutrient Game. <i>Frontiers in Oncology</i> , 2018, 8, 148.	1.3	40
47	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.	1.8	36
48	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, 1433-1443.	2.1	35
49	Mitochondrial Hormesis links nutrient restriction to improved metabolism in fat cell. <i>Aging</i> , 2015, 7, 869-881.	1.4	34
50	Oxidative myocardial damage in human cocaine-related cardiomyopathy. <i>European Journal of Heart Failure</i> , 2015, 17, 283-290.	2.9	33
51	Time-controlled fasting prevents aging-like mitochondrial changes induced by persistent dietary fat overload in skeletal muscle. <i>PLoS ONE</i> , 2018, 13, e0195912.	1.1	33
52	trans-Resveratrol inhibits H <sub>2</sub> O <sub>2</sub> -induced adenocarcinoma gastric cells proliferation via inactivation of MEK1/2-ERK1/2-c-Jun signalling axis. <i>Biochemical Pharmacology</i> , 2009, 77, 337-347.	2.0	30
53	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.	1.2	30
54	Adipose triglyceride lipase decrement affects skeletal muscle homeostasis during aging through FAs-PPAR $\alpha$ -PGC-1 $\beta$ antioxidant response. <i>Oncotarget</i> , 2016, 7, 23019-23032.	0.8	30

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55	Feast and famine: Adipose tissue adaptations for healthy aging. <i>Ageing Research Reviews</i> , 2016, 28, 85-93.	5.0	29
56	Garlic-derived diallyl disulfide modulates peroxisome proliferator activated receptor gamma co-activator 1 alpha in neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2013, 85, 335-344.	2.0	28
57	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, 2660-2670.	1.2	27
58	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, 1-8.	1.4	26
59	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.	1.6	26
60	Neuronal nitric oxide synthase protects neuroblastoma cells from oxidative stress mediated by garlic derivatives. <i>Journal of Neurochemistry</i> , 2007, 101, 1327-1337.	2.1	25
61	Caloric Restriction and the Nutrient-Sensing PGC-1 $\pm$ in Mitochondrial Homeostasis: New Perspectives in Neurodegeneration. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-11.	1.0	25
62	FoxO1 localizes to mitochondria of adipose tissue and is affected by nutrient stress. <i>Metabolism: Clinical and Experimental</i> , 2019, 95, 84-92.	1.5	25
63	Reactive oxygen and nitrogen species are involved in sorbitol-induced apoptosis of human erythroleukaemia cells K562. <i>Free Radical Research</i> , 2007, 41, 452-460.	1.5	21
64	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> , 2008, 14, 564-77.	1.6	21
65	Dietary fat overload reprograms brown fat mitochondria. <i>Frontiers in Physiology</i> , 2015, 6, 272.	1.3	21
66	Intermittent Fasting Applied in Combination with Rotenone Treatment Exacerbates Dopamine Neurons Degeneration in Mice. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 4.	1.8	21
67	An Overview of the Ferroptosis Hallmarks in Friedreich's Ataxia. <i>Biomolecules</i> , 2020, 10, 1489.	1.8	21
68	MicroRNAs, Long Non-Coding RNAs, and Circular RNAs in the Redox Control of Cell Senescence. <i>Antioxidants</i> , 2022, 11, 480.	2.2	21
69	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.	0.6	19
70	Low-protein/high-carbohydrate diet induces AMPK-dependent canonical and non-canonical thermogenesis in subcutaneous adipose tissue. <i>Redox Biology</i> , 2020, 36, 101633.	3.9	18
71	Interplay of Cu,Zn Superoxide Dismutase and Nitric Oxide Synthase in Neurodegenerative Processes. <i>IUBMB Life</i> , 2004, 55, 629-634.	1.5	17
72	Transient cytoskeletal alterations after SOD1 depletion in neuroblastoma cells. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 991-1004.	2.4	17

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73	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.	0.6	14
74	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.	1.2	14
75	Fasting Drives Nrf2-Related Antioxidant Response in Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7780.	1.8	13
76	Maternal high calorie diet induces mitochondrial dysfunction and senescence phenotype in subcutaneous fat of newborn mice. <i>Oncotarget</i> , 2017, 8, 83407-83418.	0.8	13
77	Ionizing Radiation-Induced Extracellular Vesicle Release Promotes AKT-Associated Survival Response in SH-SY5Y Neuroblastoma Cells. <i>Cells</i> , 2021, 10, 107.	1.8	12
78	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, 163-169.	1.2	11
79	Aging and Immunometabolic Adaptations to Thermogenesis. <i>Ageing Research Reviews</i> , 2020, 63, 101143.	5.0	6
80	The multifaceted role of nitric oxide synthases in mitochondrial biogenesis and cell differentiation. <i>Communicative and Integrative Biology</i> , 2015, 8, e1017158.	0.6	5
81	Molecular and histological traits of reduced lysosomal acid lipase activity in the fatty liver. <i>Cell Death and Disease</i> , 2021, 12, 1092.	2.7	5
82	SSADH Variants Increase Susceptibility of U87 Cells to Mitochondrial Pro-Oxidant Insult. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4374.	1.8	3
83	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, 145, 106193.	1.2	3
84	Glutathione transferase P silencing promotes neuronal differentiation of retinal R28 cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 15885-15897.	2.0	1
85	Editorial: Advances in Metabolic Mechanisms of Aging and Its Related Diseases. <i>Frontiers in Physiology</i> , 2020, 11, 594974.	1.3	1
86	Editorial: Next-Generation Cancer Therapies Based on a (R)evolution of the Biomarker Landscape. <i>Frontiers in Pharmacology</i> , 2022, 13, 861424.	1.6	0