

# Lucia Biasutto

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,143  
citations

172386

29  
h-index

223716

46  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Pharmacological Targeting of a Mitochondrial Ion Channel Selectively Kills Tumor Cells In Vivo. <i>Cancer Cell</i> , 2017, 31, 516-531.e10.	7.7	138
2	Mitochondrially targeted anti-cancer agents. <i>Mitochondrion</i> , 2010, 10, 670-681.	1.6	114
3	Intracellular ion channels and cancer. <i>Frontiers in Physiology</i> , 2013, 4, 227.	1.3	113
4	Development of mitochondria-targeted derivatives of resveratrol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5594-5597.	1.0	105
5	Retinal pigment epithelium (RPE) exosomes contain signaling phosphoproteins affected by oxidative stress. <i>Experimental Cell Research</i> , 2013, 319, 2113-2123.	1.2	105
6	The mitochondrial permeability transition pore in AD 2016: An update. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2515-2530.	1.9	105
7	Quercetin can act either as an inhibitor or an inducer of the mitochondrial permeability transition pore: A demonstration of the ambivalent redox character of polyphenols. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 1425-1432.	0.5	101
8	Ester-Based Precursors to Increase the Bioavailability of Quercetin. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 241-253.	2.9	85
9	Determination of Quercetin and Resveratrol in Whole Blood—Implications for Bioavailability Studies. <i>Molecules</i> , 2010, 15, 6570-6579.	1.7	63
10	A Mitochondriotropic Derivative of Quercetin: A Strategy to Increase the Effectiveness of Polyphenols. <i>ChemBioChem</i> , 2008, 9, 2633-2642.	1.3	60
11	Pharmacokinetics and tissue distribution of pterostilbene in the rat. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 2122-2132.	1.5	60
12	Acetal Derivatives as Prodrugs of Resveratrol. <i>Molecular Pharmaceutics</i> , 2013, 10, 2781-2792.	2.3	57
13	Prodrugs of Quercetin and Resveratrol: A Strategy Under Development. <i>Current Drug Metabolism</i> , 2014, 15, 77-95.	0.7	54
14	Regioselective O-Derivatization of Quercetin via Ester Intermediates. An Improved Synthesis of Rhamnetin and Development of a New Mitochondriotropic Derivative. <i>Molecules</i> , 2010, 15, 4722-4736.	1.7	48
15	Mitochondria-targeted Resveratrol Derivatives Act as Cytotoxic Pro-oxidants. <i>Current Pharmaceutical Design</i> , 2014, 20, 172-179.	0.9	47
16	Resveratrol derivatives as a pharmacological tool. <i>Annals of the New York Academy of Sciences</i> , 2017, 1403, 27-37.	1.8	47
17	Cytotoxicity of mitochondria-targeted resveratrol derivatives: Interactions with respiratory chain complexes and ATP synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1781-1789.	0.5	46
18	Impact of mitochondriotropic quercetin derivatives on mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 189-196.	0.5	43

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19	Soluble polyphenols: Synthesis and bioavailability of 3,4,5-tri(±-d-glucose-3-O-succinyl) resveratrol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6721-6724.	1.0	42
20	Tumor-reducing effect of the clinically used drug clofazimine in a SCID mouse model of pancreatic ductal adenocarcinoma. <i>Oncotarget</i> , 2017, 8, 38276-38293.	0.8	41
21	Impact of intracellular ion channels on cancer development and progression. <i>European Biophysics Journal</i> , 2016, 45, 685-707.	1.2	40
22	Targeting mitochondrial ion channels for cancer therapy. <i>Redox Biology</i> , 2021, 42, 101846.	3.9	39
23	An investigation of the occurrence and properties of the mitochondrial intermediate-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel mtKCa3.1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1260-1267.	0.5	38
24	Pharmacological modulation of mitochondrial ion channels. <i>British Journal of Pharmacology</i> , 2019, 176, 4258-4283.	2.7	37
25	Cytotoxicity of a mitochondriotropic quercetin derivative: Mechanisms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1095-1106.	0.5	34
26	Amino Acid Carbamates As Prodrugs Of Resveratrol. <i>Scientific Reports</i> , 2015, 5, 15216.	1.6	33
27	Improving the Efficacy of Plant Polyphenols. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014, 14, 1332-1342.	0.9	32
28	Electrophysiology clarifies the megariddles of the mitochondrial permeability transition pore. <i>FEBS Letters</i> , 2010, 584, 1997-2004.	1.3	30
29	Resveratrol and Health: The Starting Point. <i>ChemBioChem</i> , 2012, 13, 1256-1259.	1.3	30
30	New natural amino acid-bearing prodrugs boost pterostilbene's oral pharmacokinetic and distribution profile. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 115, 149-158.	2.0	28
31	Mitochondrial Effects of Plant-Made Compounds. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 3039-3059.	2.5	26
32	Novel Mitochondria-Targeted Furocoumarin Derivatives as Possible Anti-Cancer Agents. <i>Frontiers in Oncology</i> , 2018, 8, 122.	1.3	26
33	Absorption and Metabolism of Resveratrol Carboxyesters and Methanesulfonate by Explanted Rat Intestinal Segments. <i>Cellular Physiology and Biochemistry</i> , 2009, 24, 557-566.	1.1	24
34	Insight into the mechanism of cytotoxicity of membrane-permeant psoralenic Kv1.3 channel inhibitors by chemical dissection of a novel member of the family. <i>Redox Biology</i> , 2020, 37, 101705.	3.9	22
35	Synthesis and Evaluation as Prodrugs of Hydrophilic Carbamate Ester Analogues of Resveratrol. <i>Molecular Pharmaceutics</i> , 2015, 12, 3441-3454.	2.3	21
36	Strategies to target bioactive molecules to subcellular compartments. Focus on natural compounds. <i>European Journal of Medicinal Chemistry</i> , 2019, 181, 111557.	2.6	20

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37	Browning Effects of a Chronic Pterostilbene Supplementation in Mice Fed a High-Fat Diet. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5377.	1.8	18
38	New Water-Soluble Carbamate Ester Derivatives of Resveratrol. <i>Molecules</i> , 2014, 19, 15900-15917.	1.7	17
39	Pterostilbene Improves Cognitive Performance in Aged Rats: An in Vivo Study. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 232-239.	1.1	17
40	Redox Properties and Cytotoxicity of Synthetic Isomeric Mitochondriotropic Derivatives of the Natural Polyphenol Quercetin. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5577-5586.	1.2	16
41	Exploiting pyocyanin to treat mitochondrial disease due to respiratory complex III dysfunction. <i>Nature Communications</i> , 2021, 12, 2103.	5.8	16
42	N-Monosubstituted Methoxy-oligo(ethylene glycol) Carbamate Ester Prodrugs of Resveratrol. <i>Molecules</i> , 2015, 20, 16085-16102.	1.7	14
43	Synthesis of resveratrol sulfates: turning a nightmare into a dream. <i>Tetrahedron</i> , 2015, 71, 3100-3106.	1.0	14
44	Synthesis and cellular effects of a mitochondria-targeted inhibitor of the two-pore potassium channel TASK-3. <i>Pharmacological Research</i> , 2021, 164, 105326.	3.1	13
45	Novel lipid-mimetic prodrugs delivering active compounds to adipose tissue. <i>European Journal of Medicinal Chemistry</i> , 2017, 135, 77-88.	2.6	11
46	Potential anti-cancer activity of 7-O-pentyl quercetin: Efficient, membrane-targeted kinase inhibition and pro-oxidant effect. <i>Pharmacological Research</i> , 2017, 124, 9-19.	3.1	10
47	An Angiopep2-PAPTP Construct Overcomes the Blood-Brain Barrier. <i>New Perspectives against Brain Tumors. Pharmaceuticals</i> , 2021, 14, 129.	1.7	9
48	Small-Molecule Modulators of Mitochondrial Channels as Chemotherapeutic Agents. <i>Cellular Physiology and Biochemistry</i> , 2019, 53, 11-43.	1.1	9
49	Quercetin Mitochondriotropic Derivatives Antagonize Nitrate Tolerance and Endothelial Dysfunction of Isolated Rat Aorta Rings. <i>Planta Medica</i> , 2013, 79, 465-467.	0.7	8
50	A Preliminary Fastview of Mitochondrial Protein Profile from Healthy and Type 2 Diabetic Subjects. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 307-315.	0.5	6
51	Multiple Mechanisms Converging on Transcription Factor EB Activation by the Natural Phenol Pterostilbene. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	4
52	Synthesis and Testing of Novel Isomeric Mitochondriotropic Derivatives of Resveratrol and Quercetin. <i>Methods in Molecular Biology</i> , 2015, 1265, 161-179.	0.4	2
53	Synthesis and Testing of Novel Isomeric Mitochondriotropic Derivatives of Resveratrol and Quercetin. <i>Methods in Molecular Biology</i> , 2021, 2275, 141-160.	0.4	1
54	Long-Term Pterostilbene Supplementation of a High-Fat Diet Increases Adiponectin Expression in the Subcutaneous White Adipose Tissue. <i>Nutraceuticals</i> , 2022, 2, 102-115.	0.6	1

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55	Targets and Strategies for the Mitochondrial Assault on Cancer. , 2014, , 211-264.		0