Lucia Biasutto

List of Publications by Year
in descending order

55 papers	2,143 citations	172207 29 h-index	223531 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 InÂVivo. Cancer Cell, 2017, 31, 516-531.e10.	7.7	138
2	Mitochondrially targeted anti-cancer agents. Mitochondrion, 2010, 10, 670-681.	1.6	114
3	Intracellular ion channels and cancer. Frontiers in Physiology, 2013, 4, 227.	1.3	113
4	Development of mitochondria-targeted derivatives of resveratrol. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5594-5597.	1.0	105
5	Retinal pigment epithelium (RPE) exosomes contain signaling phosphoproteins affected by oxidative stress. Experimental Cell Research, 2013, 319, 2113-2123.	1.2	105
6	The mitochondrial permeability transition pore in AD 2016: An update. Biochimica Et Biophysica Acta - Molecular Cell Research, 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. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 1425-1432.	0.5	101
8	Ester-Based Precursors to Increase the Bioavailability of Quercetin. Journal of Medicinal Chemistry, 2007, 50, 241-253.	2.9	85
9	Determination of Quercetin and Resveratrol in Whole Bloodâ€"Implications for Bioavailability Studies. Molecules, 2010, 15, 6570-6579.	1.7	63
10	A Mitochondriotropic Derivative of Quercetin: A Strategy to Increase the Effectiveness of Polyphenols. ChemBioChem, 2008, 9, 2633-2642.	1.3	60
11	Pharmacokinetics and tissue distribution of pterostilbene in the rat. Molecular Nutrition and Food Research, 2014, 58, 2122-2132.	1.5	60
12	Acetal Derivatives as Prodrugs of Resveratrol. Molecular Pharmaceutics, 2013, 10, 2781-2792.	2.3	57
13	Prodrugs of Quercetin and Resveratrol: A Strategy Under Development. Current Drug Metabolism, 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. Molecules, 2010, 15, 4722-4736.	1.7	48
15	Mitochondria-targeted Resveratrol Derivatives Act as Cytotoxic Pro-oxidants. Current Pharmaceutical Design, 2014, 20, 172-179.	0.9	47
16	Resveratrol derivatives as a pharmacological tool. Annals of the New York Academy of Sciences, 2017, 1403, 27-37.	1.8	47
17	Cytotoxicity of mitochondria-targeted resveratrol derivatives: Interactions with respiratory chain complexes and ATP synthase. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1781-1789.	0.5	46
18	Impact of mitochondriotropic quercetin derivatives on mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 189-196.	0.5	43

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19	Soluble polyphenols: Synthesis and bioavailability of 3,4â€²,5-tri(Î±-d-glucose-3-O-succinyl) resveratrol. Bioorganic and Medicinal Chemistry Letters, 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. Oncotarget, 2017, 8, 38276-38293.	0.8	41
21	Impact of intracellular ion channels on cancer development and progression. European Biophysics Journal, 2016, 45, 685-707.	1.2	40
22	Targeting mitochondrial ion channels for cancer therapy. Redox Biology, 2021, 42, 101846.	3.9	39
23	An investigation of the occurrence and properties of the mitochondrial intermediate-conductance Ca2+-activated K+ channel mtKCa3.1. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1260-1267.	0.5	38
24	Pharmacological modulation of mitochondrial ion channels. British Journal of Pharmacology, 2019, 176, 4258-4283.	2.7	37
25	Cytotoxicity of a mitochondriotropic quercetin derivative: Mechanisms. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1095-1106.	0.5	34
26	Amino Acid Carbamates As Prodrugs Of Resveratrol. Scientific Reports, 2015, 5, 15216.	1.6	33
27	Improving the Efficacy of Plant Polyphenols. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 1332-1342.	0.9	32
28	Electrophysiology clarifies the megariddles of the mitochondrial permeability transition pore. FEBS Letters, 2010, 584, 1997-2004.	1.3	30
29	Resveratrol and Health: The Starting Point. ChemBioChem, 2012, 13, 1256-1259.	1.3	30
30	New natural amino acid-bearing prodrugs boost pterostilbeneâ€™s oral pharmacokinetic and distribution profile. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 115, 149-158.	2.0	28
31	Mitochondrial Effects of Plant-Made Compounds. Antioxidants and Redox Signaling, 2011, 15, 3039-3059.	2.5	26
32	Novel Mitochondria-Targeted Furocoumarin Derivatives as Possible Anti-Cancer Agents. Frontiers in Oncology, 2018, 8, 122.	1.3	26
33	Absorption and Metabolism of Resveratrol Carboxyesters and Methanesulfonate by Explanted Rat Intestinal Segments. Cellular Physiology and Biochemistry, 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. Redox Biology, 2020, 37, 101705.	3.9	22
35	Synthesis and Evaluation as Prodrugs of Hydrophilic Carbamate Ester Analogues of Resveratrol. Molecular Pharmaceutics, 2015, 12, 3441-3454.	2.3	21
36	Strategies to target bioactive molecules to subcellular compartments. Focus on natural compounds. European Journal of Medicinal Chemistry, 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. International Journal of Molecular Sciences, 2019, 20, 5377.	1.8	18
38	New Water-Soluble Carbamate Ester Derivatives of Resveratrol. Molecules, 2014, 19, 15900-15917.	1.7	17
39	Pterostilbene Improves Cognitive Performance in Aged Rats: An in Vivo Study. Cellular Physiology and Biochemistry, 2019, 52, 232-239.	1.1	17
40	Redox Properties and Cytotoxicity of Synthetic Isomeric Mitochondriotropic Derivatives of the Natural Polyphenol Quercetin. European Journal of Organic Chemistry, 2011, 2011, 5577-5586.	1.2	16
41	Exploiting pyocyanin to treat mitochondrial disease due to respiratory complex III dysfunction. Nature Communications, 2021, 12, 2103.	5.8	16
42	N-Monosubstituted Methoxy-oligo(ethylene glycol) Carbamate Ester Prodrugs of Resveratrol. Molecules, 2015, 20, 16085-16102.	1.7	14
43	Synthesis of resveratrol sulfates: turning a nightmare into a dream. Tetrahedron, 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. Pharmacological Research, 2021, 164, 105326.	3.1	13
45	Novel lipid-mimetic prodrugs delivering active compounds to adipose tissue. European Journal of Medicinal Chemistry, 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. Pharmacological Research, 2017, 124, 9-19.	3.1	10
47	An Angiopep2-PAPTP Construct Overcomes the Blood-Brain Barrier. New Perspectives against Brain Tumors. Pharmaceuticals, 2021, 14, 129.	1.7	9
48	Small-Molecule Modulators of Mitochondrial Channels as Chemotherapeutic Agents. Cellular Physiology and Biochemistry, 2019, 53, 11-43.	1.1	9
49	Quercetin Mitochondriotropic Derivatives Antagonize Nitrate Tolerance and Endothelial Dysfunction of Isolated Rat Aorta Rings. Planta Medica, 2013, 79, 465-467.	0.7	8
50	A Preliminary Fastview of Mitochondrial Protein Profile from Healthy and Type 2 Diabetic Subjects. European Journal of Mass Spectrometry, 2014, 20, 307-315.	0.5	6
51	Multiple Mechanisms Converging on Transcription Factor EB Activation by the Natural Phenol Pterostilbene. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	1.9	4
52	Synthesis and Testing of Novel Isomeric Mitochondriotropic Derivatives of Resveratrol and Quercetin. Methods in Molecular Biology, 2015, 1265, 161-179.	0.4	2
53	Synthesis and Testing of Novel Isomeric Mitochondriotropic Derivatives of Resveratrol and Quercetin. Methods in Molecular Biology, 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. Nutraceuticals, 2022, 2, 102-115.	0.6	1

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