Lucia Biasutto

List of Publications by Year
in descending order

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55	2,143	172386	223716
papers	citations	29 h-index	46 g-index

57	57	57	3452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Synthesis and Testing of Novel Isomeric Mitochondriotropic Derivatives of Resveratrol and Quercetin. Methods in Molecular Biology, 2021, 2275, 141-160.	0.4	1
3	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
4	An Angiopep2-PAPTP Construct Overcomes the Blood-Brain Barrier. New Perspectives against Brain Tumors. Pharmaceuticals, 2021, 14, 129.	1.7	9
5	Exploiting pyocyanin to treat mitochondrial disease due to respiratory complex III dysfunction. Nature Communications, 2021, 12, 2103.	5.8	16
6	Targeting mitochondrial ion channels for cancer therapy. Redox Biology, 2021, 42, 101846.	3.9	39
7	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
8	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
9	Strategies to target bioactive molecules to subcellular compartments. Focus on natural compounds. European Journal of Medicinal Chemistry, 2019, 181, 111557.	2.6	20
10	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
11	Pharmacological modulation of mitochondrial ion channels. British Journal of Pharmacology, 2019, 176, 4258-4283.	2.7	37
12	Pterostilbene Improves Cognitive Performance in Aged Rats: An in Vivo Study. Cellular Physiology and Biochemistry, 2019, 52, 232-239.	1.1	17
13	Small-Molecule Modulators of Mitochondrial Channels as Chemotherapeutic Agents. Cellular Physiology and Biochemistry, 2019, 53, 11-43.	1.1	9
14	Novel Mitochondria-Targeted Furocoumarin Derivatives as Possible Anti-Cancer Agents. Frontiers in Oncology, 2018, 8, 122.	1.3	26
15	Direct Pharmacological Targeting of a Mitochondrial Ion Channel Selectively Kills Tumor Cells InÂVivo. Cancer Cell, 2017, 31, 516-531.e10.	7.7	138
16	Novel lipid-mimetic prodrugs delivering active compounds to adipose tissue. European Journal of Medicinal Chemistry, 2017, 135, 77-88.	2.6	11
17	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
18	Resveratrol derivatives as a pharmacological tool. Annals of the New York Academy of Sciences, 2017, 1403, 27-37.	1.8	47

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19	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
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	The mitochondrial permeability transition pore in AD 2016: An update. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 2515-2530.	1.9	105
23	Amino Acid Carbamates As Prodrugs Of Resveratrol. Scientific Reports, 2015, 5, 15216.	1.6	33
24	N-Monosubstituted Methoxy-oligo(ethylene glycol) Carbamate Ester Prodrugs of Resveratrol. Molecules, 2015, 20, 16085-16102.	1.7	14
25	Synthesis and Evaluation as Prodrugs of Hydrophilic Carbamate Ester Analogues of Resveratrol. Molecular Pharmaceutics, 2015, 12, 3441-3454.	2.3	21
26	Synthesis of resveratrol sulfates: turning a nightmare into a dream. Tetrahedron, 2015, 71, 3100-3106.	1.0	14
27	Synthesis and Testing of Novel Isomeric Mitochondriotropic Derivatives of Resveratrol and Quercetin. Methods in Molecular Biology, 2015, 1265, 161-179.	0.4	2
28	Prodrugs of Quercetin and Resveratrol: A Strategy Under Development. Current Drug Metabolism, 2014, 15, 77-95.	0.7	54
29	Mitochondria-targeted Resveratrol Derivatives Act as Cytotoxic Pro-oxidants. Current Pharmaceutical Design, 2014, 20, 172-179.	0.9	47
30	Pharmacokinetics and tissue distribution of pterostilbene in the rat. Molecular Nutrition and Food Research, 2014, 58, 2122-2132.	1.5	60
31	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
32	New Water-Soluble Carbamate Ester Derivatives of Resveratrol. Molecules, 2014, 19, 15900-15917.	1.7	17
33	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
34	Improving the Efficacy of Plant Polyphenols. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 1332-1342.	0.9	32
35	Targets and Strategies for the Mitochondrial Assault on Cancer. , 2014, , 211-264.		0
36	Acetal Derivatives as Prodrugs of Resveratrol. Molecular Pharmaceutics, 2013, 10, 2781-2792.	2.3	57

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37	Retinal pigment epithelium (RPE) exosomes contain signaling phosphoproteins affected by oxidative stress. Experimental Cell Research, 2013, 319, 2113-2123.	1.2	105
38	Quercetin Mitochondriotropic Derivatives Antagonize Nitrate Tolerance and Endothelial Dysfunction of Isolated Rat Aorta Rings. Planta Medica, 2013, 79, 465-467.	0.7	8
39	Intracellular ion channels and cancer. Frontiers in Physiology, 2013, 4, 227.	1.3	113
40	Resveratrol and Health: The Starting Point. ChemBioChem, 2012, 13, 1256-1259.	1.3	30
41	Cytotoxicity of a mitochondriotropic quercetin derivative: Mechanisms. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1095-1106.	0.5	34
42	Mitochondrial Effects of Plant-Made Compounds. Antioxidants and Redox Signaling, 2011, 15, 3039-3059.	2.5	26
43	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
44	Impact of mitochondriotropic quercetin derivatives on mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 189-196.	0.5	43
45	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
46	Electrophysiology clarifies the megariddles of the mitochondrial permeability transition pore. FEBS Letters, 2010, 584, 1997-2004.	1.3	30
47	Determination of Quercetin and Resveratrol in Whole Bloodâ€"Implications for Bioavailability Studies. Molecules, 2010, 15, 6570-6579.	1.7	63
48	Mitochondrially targeted anti-cancer agents. Mitochondrion, 2010, 10, 670-681.	1.6	114
49	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
50	Absorption and Metabolism of Resveratrol Carboxyesters and Methanesulfonate by Explanted Rat Intestinal Segments. Cellular Physiology and Biochemistry, 2009, 24, 557-566.	1.1	24
51	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
52	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
53	A Mitochondriotropic Derivative of Quercetin: A Strategy to Increase the Effectiveness of Polyphenols. ChemBioChem, 2008, 9, 2633-2642.	1.3	60
54	Development of mitochondria-targeted derivatives of resveratrol. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5594-5597.	1.0	105

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55	Ester-Based Precursors to Increase the Bioavailability of Quercetin. Journal of Medicinal Chemistry, 2007, 50, 241-253.	2.9	85