

Sofia Benfeito

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

480
citations

759233

12
h-index

713466

21
g-index

29
all docs

29
docs citations

29
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring nature profits: Development of novel and potent lipophilic antioxidants based on galloylâ€“cinnamic hybrids. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 289-296.	5.5	52
2	Antioxidant therapy: Still in search of the â€“magic bulletâ€“™. <i>Mitochondrion</i> , 2013, 13, 427-435.	3.4	49
3	Development of a Mitochondriotropic Antioxidant Based on Caffeic Acid: Proof of Concept on Cellular and Mitochondrial Oxidative Stress Models. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7084-7098.	6.4	47
4	NO and HNO donors, nitrones, and nitroxides: Past, present, and future. <i>Medicinal Research Reviews</i> , 2018, 38, 1159-1187.	10.5	47
5	Fine-tuning of the hydrophobicity of caffeic acid: studies on the antimicrobial activity against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>RSC Advances</i> , 2015, 5, 53915-53925.	3.6	43
6	Rational discovery and development of a mitochondria-targeted antioxidant based on cinnamic acid scaffold. <i>Free Radical Research</i> , 2012, 46, 600-611.	3.3	33
7	Fine-tuning the neuroprotective and blood-brain barrier permeability profile of multi-target agents designed to prevent progressive mitochondrial dysfunction. <i>European Journal of Medicinal Chemistry</i> , 2019, 167, 525-545.	5.5	29
8	Nanotechnology and Antioxidant Therapy: An Emerging Approach for Neurodegenerative Diseases. <i>Current Medicinal Chemistry</i> , 2014, 21, 4311-4327.	2.4	18
9	Mitochondria-targeted phenolic antioxidants induce ROS-protective pathways in primary human skin fibroblasts. <i>Free Radical Biology and Medicine</i> , 2021, 163, 314-324.	2.9	16
10	A mitochondria-targeted caffeic acid derivative reverts cellular and mitochondrial defects in human skin fibroblasts from male sporadic Parkinson's disease patients. <i>Redox Biology</i> , 2021, 45, 102037.	9.0	15
11	Mitochondriotropic antioxidant based on caffeic acid AntiOx CIN4 activates Nrf2-dependent antioxidant defenses and quality control mechanisms to antagonize oxidative stress-induced cell damage. <i>Free Radical Biology and Medicine</i> , 2022, 179, 119-132.	2.9	14
12	Host-Guest Interaction between Herbicide Oxadiargyl and Hydroxypropyl- β -Cyclodextrin. <i>Scientific World Journal</i> , The, 2013, 2013, 1-6.	2.1	12
13	Mitochondria-targeted anti-oxidant AntiOx CIN4 improved liver steatosis in Western diet-fed mice by preventing lipid accumulation due to upregulation of fatty acid oxidation, quality control mechanism and antioxidant defense systems. <i>Redox Biology</i> , 2022, 55, 102400.	9.0	12
14	Effects of Chlorophenoxy Herbicides and Their Main Transformation Products on DNA Damage and Acetylcholinesterase Activity. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	11
15	Boosting Drug Discovery for Parkinsonâ€™s: Enhancement of the Delivery of a Monoamine Oxidase-B Inhibitor by Brain-Targeted PEGylated Polycaprolactone-Based Nanoparticles. <i>Pharmaceutics</i> , 2019, 11, 331.	4.5	11
16	Desrisking the Cytotoxicity of a Mitochondriotropic Antioxidant Based on Caffeic Acid by a PEGylated Strategy. <i>Bioconjugate Chemistry</i> , 2018, 29, 2723-2733.	3.6	9
17	Exploring the Multi-Target Performance of Mitochondriotropic Antioxidants against the Pivotal Alzheimerâ€™s Disease Pathophysiological Hallmarks. <i>Molecules</i> , 2020, 25, 276.	3.8	9
18	Fine-Tuning the Biological Profile of Multitarget Mitochondriotropic Antioxidants for Neurodegenerative Diseases. <i>Antioxidants</i> , 2021, 10, 329.	5.1	9

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19	Electrochemical Behavior of a Mitochondria-Targeted Antioxidant at an Interface between Two Immiscible Electrolyte Solutions: An Alternative Approach to Study Lipophilicity. <i>Analytical Chemistry</i> , 2018, 90, 7989-7996.	6.5	8
20	Targeting Mitochondria: The Road to Mitochondriotropic Antioxidants and Beyond. , 2018, , 333-358.		7
21	Antioxidant therapy, oxidative stress, and blood-brain barrier: The road of dietary antioxidants. , 2020, , 125-141.		6
22	Photodamage and photoprotection: toward safety and sustainability through nanotechnology solutions. , 2017, , 527-565.		5
23	Antioxidant Therapy and Neurodegenerative Disorders: Lessons From Clinical Trials. , 2021, , 97-110.		4
24	Molecular Modeling and Experimental Evaluation of Non-Chiral Components of Bergamot Essential Oil with Inhibitory Activity against Human Monoamine Oxidases. <i>Molecules</i> , 2022, 27, 2467.	3.8	4
25	Lipid Nanosystems and Serum Protein as Biomimetic Interfaces: Predicting the Biodistribution of a Caffeic Acid-Based Antioxidant. <i>Nanotechnology, Science and Applications</i> , 2021, Volume 14, 7-27.	4.6	3
26	Cytotoxicity and Mitochondrial Effects of Phenolic and Quinone-Based Mitochondria-Targeted and Untargeted Antioxidants on Human Neuronal and Hepatic Cell Lines: A Comparative Analysis. <i>Biomolecules</i> , 2021, 11, 1605.	4.0	3
27	Bridging the Gap Between Nature and Antioxidant Setbacks: Delivering Caffeic Acid to Mitochondria. <i>Methods in Molecular Biology</i> , 2015, 1265, 73-83.	0.9	2
28	In Vitro Effects of Mitochondria-Targeted Antioxidants in a Small-Cell Carcinoma of the Ovary of Hypercalcemic Type and in Type 1 and Type 2 Endometrial Cancer. <i>Biomedicines</i> , 2022, 10, 800.	3.2	2