

Carlos Fernandes

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,217
citations

471371

17
h-index

414303

32
g-index

37
all docs

37
docs citations

37
times ranked

2388
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic MFe ₂ O ₄ (M = Fe, Co, Mn) Nanoparticles: Tuning the Particle Size and Magnetic Properties through a Novel One-Step Coprecipitation Route. <i>Chemistry of Materials</i> , 2012, 24, 1496-1504.	3.2	446
2	Discovery of New Chemical Entities for Old Targets: Insights on the Lead Optimization of Chromone-Based Monoamine Oxidase B (MAO-B) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5879-5893.	2.9	87
3	Gold-supported magnetically recyclable nanocatalysts: a sustainable solution for the reduction of 4-nitrophenol in water. <i>RSC Advances</i> , 2015, 5, 5131-5141.	1.7	60
4	Using microfluidic platforms to develop CNS-targeted polymeric nanoparticles for HIV therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 138, 111-124.	2.0	60
5	Tailored design of Co _x Mn _{1-x} Fe ₂ O ₄ nanoferrites: a new route for dual control of size and magnetic properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5818-5828.	2.7	52
6	Antioxidant therapy: Still in search of the "magic bullet". <i>Mitochondrion</i> , 2013, 13, 427-435.	1.6	49
7	NO and HNO donors, nitrones, and nitroxides: Past, present, and future. <i>Medicinal Research Reviews</i> , 2018, 38, 1159-1187.	5.0	47
8	Tailoring Lipid and Polymeric Nanoparticles as siRNA Carriers towards the Blood-Brain Barrier "from Targeting to Safe Administration. <i>Journal of NeuroImmune Pharmacology</i> , 2017, 12, 107-119.	2.1	39
9	PEGylated PLGA Nanoparticles As a Smart Carrier to Increase the Cellular Uptake of a Coumarin-Based Monoamine Oxidase B Inhibitor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39557-39569.	4.0	37
10	Design of novel monoamine oxidase-B inhibitors based on piperine scaffold: Structure-activity-toxicity, drug-likeness and efflux transport studies. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111770.	2.6	30
11	Development of a PEGylated-Based Platform for Efficient Delivery of Dietary Antioxidants Across the Blood-Brain Barrier. <i>Bioconjugate Chemistry</i> , 2018, 29, 1677-1689.	1.8	29
12	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.	2.6	29
13	Design and characterization of Nanostructured lipid carriers (NLC) and Nanostructured lipid carrier-based hydrogels containing <i>Passiflora edulis</i> seeds oil. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120444.	2.6	28
14	Gold nanoparticles decorated on Bingel-thiol functionalized multiwall carbon nanotubes as an efficient and robust catalyst. <i>Applied Catalysis A: General</i> , 2014, 486, 150-158.	2.2	27
15	Brain drug delivery and neurodegenerative diseases: Polymeric PLGA-based nanoparticles as a forefront platform. <i>Ageing Research Reviews</i> , 2022, 79, 101658.	5.0	22
16	Microwave-Assisted Synthesis of 5-Phenyl-2-hydroxyacetophenone Derivatives by a Green Suzuki Coupling Reaction. <i>Journal of Chemical Education</i> , 2015, 92, 575-578.	1.1	21
17	Nanotechnology and Antioxidant Therapy: An Emerging Approach for Neurodegenerative Diseases. <i>Current Medicinal Chemistry</i> , 2014, 21, 4311-4327.	1.2	18
18	Influence of Hydroxypropyl- β -Cyclodextrin on the Photostability of Fungicide Pyrimethanil. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-8.	1.4	15

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19	Boosting Drug Discovery for Parkinson's: Enhancement of the Delivery of a Monoamine Oxidase-B Inhibitor by Brain-Targeted PEGylated Polycaprolactone-Based Nanoparticles. <i>Pharmaceutics</i> , 2019, 11, 331.	2.0	11
20	Insights into the Discovery of Novel Neuroprotective Agents: A Comparative Study between Sulfanylcinnamic Acid Derivatives and Related Phenolic Analogues. <i>Molecules</i> , 2019, 24, 4405.	1.7	11
21	Magnetically recyclable mesoporous iron oxide-silica materials for the degradation of acetaminophen in water under mild conditions. <i>Polyhedron</i> , 2016, 106, 125-131.	1.0	10
22	Coordination Compounds As Multi-Delivery Systems for Osteoporosis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35469-35483.	4.0	10
23	Desrisking the Cytotoxicity of a Mitochondriotropic Antioxidant Based on Caffeic Acid by a PEGylated Strategy. <i>Bioconjugate Chemistry</i> , 2018, 29, 2723-2733.	1.8	9
24	Exploring the Multi-Target Performance of Mitochondriotropic Antioxidants against the Pivotal Alzheimer's Disease Pathophysiological Hallmarks. <i>Molecules</i> , 2020, 25, 276.	1.7	9
25	Mapping Chromone-3-Phenylcarboxamide Pharmacophore: <i>Quid Est Veritas?</i> <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11169-11182.	2.9	9
26	Synthesis of 6-aryl/heteroaryl-4-oxo-4 H -chromene-2-carboxylic ethyl ester derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 3006-3010.	0.7	8
27	4-Oxoquinolines and monoamine oxidase: When tautomerism matters. <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113183.	2.6	8
28	Bioisosteric OH- to SH-replacement changes the antioxidant profile of ferulic acid. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9646-9654.	1.5	6
29	Antioxidant therapy, oxidative stress, and blood-brain barrier: The road of dietary antioxidants. , 2020, , 125-141.		6
30	Design and synthesis of chromone-based monoamine oxidase B inhibitors with improved drug-like properties. <i>European Journal of Medicinal Chemistry</i> , 2022, 239, 114507.	2.6	6
31	Photodamage and photoprotection: toward safety and sustainability through nanotechnology solutions. , 2017, , 527-565.		5
32	Multifunctionality and cytotoxicity of a layered coordination polymer. <i>Dalton Transactions</i> , 2020, 49, 3989-3998.	1.6	5
33	Antioxidant Therapy and Neurodegenerative Disorders: Lessons From Clinical Trials. , 2021, , 97-110.		4
34	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.	1.8	3
35	Crystal structures of ethyl 6-(4-methylphenyl)-4-oxo-4H-chromene-2-carboxylate and ethyl 6-(4-fluorophenyl)-4-oxo-4H-chromene-2-carboxylate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 8-13.	0.2	1