

Enrique Domínguez-Álvarez

List of Publications by Year in descending order

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37
papers

983
citations

489802

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37
times ranked

1209
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of novel organic selenium compounds and speciation of their metabolites in biofortified kale sprouts. <i>Microchemical Journal</i> , 2022, 172, 106962.	2.3	9
2	On the use of metallic nanoparticulated catalysts for in-situ oil upgrading. <i>Fuel</i> , 2022, 313, 122677.	3.4	23
3	Pharmaceutical and Safety Profile Evaluation of Novel Selenocompounds with Noteworthy Anticancer Activity. <i>Pharmaceutics</i> , 2022, 14, 367.	2.0	11
4	Ketone-selenoesters as potential anticancer and multidrug resistance modulation agents in 2D and 3D ovarian and breast cancer in vitro models. <i>Scientific Reports</i> , 2022, 12, 6548.	1.6	3
5	Selenium and tellurium in the development of novel small molecules and nanoparticles as cancer multidrug resistance reversal agents. <i>Drug Resistance Updates</i> , 2022, 63, 100844.	6.5	29
6	Varied effect of fortification of kale sprouts with novel organic selenium compounds on the synthesis of sulphur and phenolic compounds in relation to cytotoxic, antioxidant and anti-inflammatory activity. <i>Microchemical Journal</i> , 2022, 179, 107509.	2.3	11
7	An insight into the structure of 5-spiro aromatic derivatives of imidazolidine-2,4-dione, a new group of very potent inhibitors of tumor multidrug resistance in T-lymphoma cells. <i>Bioorganic Chemistry</i> , 2021, 109, 104735.	2.0	9
8	Cyano- and Ketone-Containing Selenoesters as Multi-Target Compounds against Resistant Cancers. <i>Cancers</i> , 2021, 13, 4563.	1.7	11
9	Hydrothermal upgrading of heavy oil in the presence of water at sub-critical, near-critical and supercritical conditions. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106592.	2.1	67
10	Phenothiazines and Selenocompounds: A Potential Novel Combination Therapy of Multidrug Resistant Cancer. <i>Anticancer Research</i> , 2020, 40, 4921-4928.	0.5	5
11	Ketone- and Cyano-Selenoesters to Overcome Efflux Pump, Quorum-Sensing, and Biofilm-Mediated Resistance. <i>Antibiotics</i> , 2020, 9, 896.	1.5	18
12	Antimicrobial, Anticancer and Multidrug-Resistant Reversing Activity of Novel Oxygen-, Sulfur- and Selenoflavones and Bioisosteric Analogues. <i>Pharmaceutics</i> , 2020, 13, 453.	1.7	15
13	Biofilm Eradication by Symmetrical Selenoesters for Food-Borne Pathogens. <i>Microorganisms</i> , 2020, 8, 566.	1.6	19
14	Release of reactive selenium species from phthalic selenoanhydride in the presence of hydrogen sulfide and glutathione with implications for cancer research. <i>New Journal of Chemistry</i> , 2019, 43, 11771-11783.	1.4	18
15	Selenoesters and Selenoanhydrides as Novel Agents Against Resistant Breast Cancer. <i>Anticancer Research</i> , 2019, 39, 3777-3783.	0.5	18
16	The Search for Histamine H ₄ Receptor Ligands with Anticancer Activity among Novel (Thio)urea Derivatives. <i>ChemistrySelect</i> , 2019, 4, 10943-10952.	0.7	4
17	Organoselenium Compounds as Novel Adjuvants of Chemotherapy Drugs—A Promising Approach to Fight Cancer Drug Resistance. <i>Molecules</i> , 2019, 24, 336.	1.7	65
18	Inorganic Polysulfides and Related Reactive Sulfur—Selenium Species from the Perspective of Chemistry. <i>Molecules</i> , 2019, 24, 1359.	1.7	36

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19	Selenocompounds as Novel Antibacterial Agents and Bacterial Efflux Pump Inhibitors. <i>Molecules</i> , 2019, 24, 1487.	1.7	26
20	Inhibition of Disruption of <i>Candida glabrata</i> Biofilms: Symmetrical Selenoesters as Potential Anti-Biofilm Agents. <i>Microorganisms</i> , 2019, 7, 664.	1.6	7
21	Antiviral, Antimicrobial and Antibiofilm Activity of Selenoesters and Selenoanhydrides. <i>Molecules</i> , 2019, 24, 4264.	1.7	30
22	Products of Sulfide/Selenite Interaction Possess Antioxidant Properties, Scavenge Superoxide-Derived Radicals, React with DNA, and Modulate Blood Pressure and Tension of Isolated Thoracic Aorta. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	8
23	In Vitro Biotransformation, Safety, and Chemopreventive Action of Novel 8-Methoxy-Purine-2,6-Dione Derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 124-139.	1.4	10
24	The Anticancer and Chemopreventive Activity of Selenocyanate-Containing Compounds. <i>Current Pharmacology Reports</i> , 2018, 4, 468-481.	1.5	48
25	Selenides and Diselenides: A Review of Their Anticancer and Chemopreventive Activity. <i>Molecules</i> , 2018, 23, 628.	1.7	120
26	The Selenium-Nitrogen Bond as Basis for Reactive Selenium Species with Pronounced Antimicrobial Activity. <i>Current Organic Synthesis</i> , 2018, 14, .	0.7	5
27	Natural selenium particles from <i>Staphylococcus carnosus</i> : Hazards or particles with particular promise?. <i>Journal of Hazardous Materials</i> , 2017, 324, 22-30.	6.5	49
28	Selenoesters and selenoanhydrides as novel multidrug resistance reversing agents: A confirmation study in a colon cancer MDR cell line. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 797-802.	1.0	60
29	A selective and sensitive monitoring of the OH radical using flavonoid-modified electrodes. <i>Electrochimica Acta</i> , 2017, 258, 228-235.	2.6	9
30	Identification of selenocompounds with promising properties to reverse cancer multidrug resistance. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2821-2824.	1.0	53
31	Monocyclic and Fused Azines and Azoles as Histamine H4 Receptor Ligands. <i>Current Medicinal Chemistry</i> , 2016, 23, 1870-1925.	1.2	5
32	Aspects of a Distinct Cytotoxicity of Selenium Salts and Organic Selenides in Living Cells with Possible Implications for Drug Design. <i>Molecules</i> , 2015, 20, 13894-13912.	1.7	23
33	Nucleic acid vaccination strategies against infectious diseases. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1851-1865.	2.4	18
34	Synthesis and antiproliferative activity of novel selenoester derivatives. <i>European Journal of Medicinal Chemistry</i> , 2014, 73, 153-166.	2.6	85
35	Bio-Electrochemistry and Chalcogens. <i>Modern Aspects of Electrochemistry</i> , 2013, , 249-282.	0.2	1
36	Synthesis and Pharmacological Screening of Several Aroyl and Heteroaroyl Selenylacetic Acid Derivatives as Cytotoxic and Antiproliferative Agents. <i>Molecules</i> , 2009, 14, 3313-3338.	1.7	50

#	ARTICLE	IF	CITATIONS
37	Chapter 10. Reactive Selenium Species: Redox Modulation, Antioxidant, Antimicrobial and Anticancer Activities. , 0 , 277-302.		5