

Daniel Plano

List of Publications by Year in descending order

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81
papers

2,114
citations

236925

25
h-index

243625

44
g-index

83
all docs

83
docs citations

83
times ranked

2456
citing authors

#	ARTICLE	IF	CITATIONS
1	Selenium Compounds, Apoptosis and Other Types of Cell Death: An Overview for Cancer Therapy. International Journal of Molecular Sciences, 2012, 13, 9649-9672.	4.1	215
2	Design, Synthesis, and Biological Evaluation of Novel Selenium (Se-NSAID) Molecules as Anticancer Agents. Journal of Medicinal Chemistry, 2016, 59, 1946-1959.	6.4	122
3	Selenocyanates and diselenides: A new class of potent antileishmanial agents. European Journal of Medicinal Chemistry, 2011, 46, 3315-3323.	5.5	108
4	Importance of Sphingosine Kinase (SphK) as a Target in Developing Cancer Therapeutics and Recent Developments in the Synthesis of Novel SphK Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 5509-5524.	6.4	88
5	Development and Therapeutic Potential of Selenazo Compounds. Journal of Medicinal Chemistry, 2020, 63, 1473-1489.	6.4	86
6	Selenium and Clinical Trials: New Therapeutic Evidence for Multiple Diseases. Current Medicinal Chemistry, 2011, 18, 4635-4650.	2.4	85
7	Synthesis and antiproliferative activity of novel selenoester derivatives. European Journal of Medicinal Chemistry, 2014, 73, 153-166.	5.5	85
8	Antioxidant-Prooxidant Properties of a New Organoselenium Compound Library. Molecules, 2010, 15, 7292-7312.	3.8	83
9	Selenium Compounds and Apoptotic Modulation: A New Perspective in Cancer Therapy. Mini-Reviews in Medicinal Chemistry, 2008, 8, 1020-1031.	2.4	79
10	Sulfur and selenium derivatives of quinazoline and pyrido[2,3-d]pyrimidine: Synthesis and study of their potential cytotoxic activity in vitro. European Journal of Medicinal Chemistry, 2012, 47, 283-298.	5.5	70
11	Novel Heteroaryl Selenocyanates and Diselenides as Potent Antileishmanial Agents. Antimicrobial Agents and Chemotherapy, 2016, 60, 3802-3812.	3.2	66
12	Synthesis and <i>in vitro</i> Anticancer Activities of some Selenadiazole Derivatives. Archiv Der Pharmazie, 2010, 343, 680-691.	4.1	57
13	Synthesis and antiproliferative activity of novel symmetrical alkylthio- and alkylseleno-imidocarbamates. European Journal of Medicinal Chemistry, 2011, 46, 265-274.	5.5	52
14	Novel potent organoselenium compounds as cytotoxic agents in prostate cancer cells. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6853-6859.	2.2	50
15	Synthesis and Pharmacological Screening of Several Aroyl and Heteroaryl Selenylacetic Acid Derivatives as Cytotoxic and Antiproliferative Agents. Molecules, 2009, 14, 3313-3338.	3.8	50
16	Antileishmanial activity of imidothiocarbamates and imidoselenocarbamates. Parasitology Research, 2011, 108, 233-239.	1.6	42
17	Innovative Lead Compounds and Formulation Strategies As Newer Kinetoplastid Therapies. Current Medicinal Chemistry, 2012, 19, 4259-4288.	2.4	42
18	Novel seleno- and thio-urea derivatives with potent <i>in vitro</i> activities against several cancer cell lines. European Journal of Medicinal Chemistry, 2016, 113, 134-144.	5.5	41

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19	Chalcogen containing heterocyclic scaffolds: New hybrids with antitumoral activity. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 407-418.	5.5	40
20	Novel selenadiazole derivatives as selective antitumor and radical scavenging agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 14-27.	5.5	32
21	Cells, Materials, and Fabrication Processes for Cardiac Tissue Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 955.	4.1	32
22	Synthesis and Leishmanicidal Activity of Novel Urea, Thiourea, and Selenourea Derivatives of Diselenides. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	30
23	In vitro radical scavenging and cytotoxic activities of novel hybrid selenocarbamates. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1716-1727.	3.0	29
24	Leishmanicidal Activities of Novel Methylseleno-Imidocarbamates. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5705-5713.	3.2	28
25	Library of Seleno-Compounds as Novel Agents against Leishmania Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	27
26	Kinase Regulation by Sulfur and Selenium Containing Compounds. <i>Current Cancer Drug Targets</i> , 2011, 11, 496-523.	1.6	26
27	Novel N,Nâ€²-Disubstituted Acylselenoureas as Potential Antioxidant and Cytotoxic Agents. <i>Antioxidants</i> , 2020, 9, 55.	5.1	25
28	NSAIDs: Old Acquaintance in the Pipeline for Cancer Treatment and Preventionâ€™Structural Modulation, Mechanisms of Action, and Bright Future. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16380-16421.	6.4	25
29	Leishmanicidal Activity of Isoselenocyanate Derivatives. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	24
30	Combined Acylselenoureaâ€™Diselenide Structures: New Potent and Selective Antitumoral Agents as Autophagy Activators. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 306-311.	2.8	23
31	Thermal stability and decomposition of sulphur and selenium compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 98, 559-566.	3.6	21
32	Bisacylimidoselenocarbamates Cause G2/M Arrest Associated with the Modulation of CDK1 and Chk2 in Human Breast Cancer MCF-7 Cells. <i>Current Medicinal Chemistry</i> , 2013, 20, 1609-1619.	2.4	20
33	A diphenyldiselenide derivative induces autophagy <i>via</i> JNK in HTBâ€™54 lung cancer cells. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 289-301.	3.6	19
34	Novel Library of Selenocompounds as Kinase Modulators. <i>Molecules</i> , 2011, 16, 6349-6364.	3.8	17
35	Study of polymorphism of organosulfur and organoselenium compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 1007-1013.	3.6	17
36	Synthesis and antiproliferative activity of novel methylselenocarbamates. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 674-684.	5.5	17

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37	Novel Methylselenoesters as Antiproliferative Agents. <i>Molecules</i> , 2017, 22, 1288.	3.8	16
38	A dihydroselequinazoline inhibits S6 ribosomal protein signalling, induces apoptosis and inhibits autophagy in MCF-7 cells. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 63, 87-95.	4.0	15
39	Benzo[b]thiophene-6-carboxamide 1,1-dioxides: Inhibitors of human cancer cell growth at nanomolar concentrations. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 5701-5707.	3.0	14
40	Selenium Derivatives as Promising Therapy for Chagas Disease: <i>In Vitro</i> and <i>In Vivo</i> Studies. <i>ACS Infectious Diseases</i> , 2021, 7, 1727-1738.	3.8	13
41	Pre-clinical evidences of the antileishmanial effects of diselenides and selenocyanates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127371.	2.2	12
42	Identification of a Novel Quinoxaline-Isoseleourea Targeting the STAT3 Pathway as a Potential Melanoma Therapeutic. <i>International Journal of Molecular Sciences</i> , 2019, 20, 521.	4.1	11
43	Novel Seleno-Aspirinyl Compound AS-10 Induces Apoptosis, G1 Arrest of Pancreatic Ductal Adenocarcinoma Cells, Inhibits Their NF- κ B Signaling, and Synergizes with Gemcitabine Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4966.	4.1	11
44	Cytotoxic and Proapoptotic Activities of Imidoselenocarbamate Derivatives Are Dependent on the Release of Methylselenol. <i>Chemical Research in Toxicology</i> , 2012, 25, 2479-2489.	3.3	10
45	Novel structural insights for imidoselenocarbamates with antitumoral activity related to their ability to generate methylselenol. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5110-5116.	3.0	10
46	Organoseleno cytostatic derivatives: Autophagic cell death with AMPK and JNK activation. <i>European Journal of Medicinal Chemistry</i> , 2019, 175, 234-246.	5.5	10
47	Library of Selenocyanate and Diselenide Derivatives as <i>In Vivo</i> Antichagasic Compounds Targeting <i>Trypanosoma cruzi</i> Mitochondrion. <i>Pharmaceuticals</i> , 2021, 14, 419.	3.8	10
48	Activity enhancement of selective antitumoral selenodiazoles formulated with poloxamine micelles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 463-469.	5.0	9
49	Oral Efficacy of a Diselenide Compound Loaded in Nanostructured Lipid Carriers in a Murine Model of Visceral Leishmaniasis. <i>ACS Infectious Diseases</i> , 2021, 7, 3197-3209.	3.8	9
50	Structure- and cell-specific effects of imidoselenocarbamates on selenoprotein expression and activity in liver cells in culture. <i>Metallomics</i> , 2012, 4, 1297.	2.4	8
51	Novel N,N'-Disubstituted Selenoureas as Potential Antioxidant and Cytotoxic Agents. <i>Antioxidants</i> , 2021, 10, 777.	5.1	8
52	Thermal stability of selenium, sulfur and nitrogen analogous phthalazine derivatives. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 605-610.	3.6	7
53	Molecular descriptors calculation as a tool in the analysis of the antileishmanial activity achieved by two series of diselenide derivatives. An insight into its potential action mechanism. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 60, 63-78.	2.4	7
54	New Amides Containing Selenium as Potent Leishmanicidal Agents Targeting Trypanothione Reductase. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 65, .	3.2	7

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55	Novel quinazoline and pyrido[2,3-d]pyrimidine derivatives and their hydroselenite salts as antitumoral agents. <i>Arkivoc</i> , 2014, 2014, 187-206.	0.5	6
56	Structural variations on antitumour agents derived from bisacylimidoselenocarbamate. A proposal for structure-activity relationships based on the analysis of conformational behaviour. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 489-498.	5.5	5
57	Methods of selecting combination therapy for colorectal cancer patients: a patent evaluation of US20160025730A1. <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 527-538.	5.0	5
58	New Formulation of a Methylseleno-Aspirin Analog with Anticancer Activity Towards Colon Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9017.	4.1	5
59	New Amides and Phosphoramidates Containing Selenium: Studies on Their Cytotoxicity and Antioxidant Activities in Breast Cancer. <i>Antioxidants</i> , 2021, 10, 590.	5.1	5
60	New Phosphoramidates Containing Selenium as Leishmanicidal Agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0059021.	3.2	5
61	Synthesis, characterization, crystal structure and cytotoxicity of 2,4-bis(selenomethyl)quinazoline. <i>Structural Chemistry</i> , 2011, 22, 1233-1240.	2.0	4
62	Strong induction of iodothyronine deiodinases by chemotherapeutic selenocompounds. <i>Metallomics</i> , 2015, 7, 347-354.	2.4	4
63	Topological and quantum molecular descriptors as effective tools for analyzing cytotoxic activity achieved by a series of (diselanediyldibenzene-4,1-diyl)bis(carbamate) derivatives. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 73, 62-73.	2.4	3
64	Methylselenol release as a cytotoxic tool: a study of the mechanism of the activity achieved by two series of methylselenocarbamate derivatives. <i>Metallomics</i> , 2018, 10, 1128-1140.	2.4	3
65	Selenium Entities: Promising Scaffolds for the Treatment of Cancer and Leishmania. <i>Current Organic Synthesis</i> , 2018, 14, .	1.3	3
66	Potential biomedical reuse of vegetative residuals from mycorrhized grapevines subjected to warming. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1341-1353.	2.6	2
67	New Experimental Conditions for Diels-Alder and Friedel-Crafts Alkylation Reactions with Thiophene: A New Selenocyanate with Potent Activity against Cancer. <i>Molecules</i> , 2022, 27, 982.	3.8	2
68	Thermal Analysis of Sulfur and Selenium Compounds with Multiple Applications, Including Anticancer Drugs. , 0, , .		1
69	Thermal characterization and stability evaluation of leishmanicidal selenocyanate and diselenide derivatives. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 3127-3139.	3.6	1
70	New Selenoderivatives as Antitumoral Agents. , 2011, , .		0
71	Cytotoxic Effects of Seleno-Trastuzumab on Trastuzumab Resistant JIMT-1 Breast Cancer Cell Line. <i>Free Radical Biology and Medicine</i> , 2013, 65, S15.	2.9	0
72	Vilsmeier reagent, NaHSe and diclofenac acid chloride: one-pot synthesis of a novel selenoindolinone with potent anticancer activity. <i>RSC Advances</i> , 2020, 10, 38404-38408.	3.6	0

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73	Abstract 814: Novel aspirin based selenium compounds as therapy against pancreatic cancer. , 2014, , .		0
74	Abstract 2139: Pre-clinical chemopreventive efficacy of a novel hybridp-XSC-aspirin compound in a NNK-induced A/J mouse lung cancer model. , 2014, , .		0
75	Abstract 4502: Identification of an aspirin-derived small molecule as a potential therapeutic for colorectal cancer. , 2015, , .		0
76	Abstract 3061: AS-10: a new small molecule with promising activity against pancreatic cancer. , 2016, , .		0
77	Abstract 1166: Identification of a novel quinoxaline-isoselenourea targeting STAT3 pathway as a potential melanoma therapeutic. , 2017, , .		0
78	Abstract 2794: A novel bis-aspirinyl selenazolidine compound AS-10 as potential colon cancer therapeutic. , 2018, , .		0
79	Abstract 2801: Novel selenodiazoles as antitumor and radical scavenging agents. , 2018, , .		0
80	Abstract 274: Selective chemopreventive efficacy of 1,4-phenylenebis(methylene)seleno-aspirin (p-XS-Asp) towards lung cancer. , 2018, , .		0
81	Abstract 6356: Discovery of seleno allyl hybrid compounds, the Se incorporated mimics of naturally occurring garlic based allylic compounds, as potential anticancer agents. , 2020, , .		0