

Rosanna Filosa

List of Publications by Year in descending order

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59
papers

1,725
citations

236925

25
h-index

302126

39
g-index

66
all docs

66
docs citations

66
times ranked

2441
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-Inflammatory Drugs as Anticancer Agents. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2605.	4.1	197
2	Molecular modelling studies, synthesis and biological activity of a series of novel bisnaphthalimides and their development as new DNA topoisomerase II inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 13-24.	3.0	111
3	Targeting NF- κ B signaling pathway in cancer by dietary polyphenols. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 2790-2800.	10.3	84
4	Potent inhibition of human 5-lipoxygenase and microsomal prostaglandin E2 synthase-1 by the anti-carcinogenic and anti-inflammatory agent embelin. <i>Biochemical Pharmacology</i> , 2013, 86, 476-486.	4.4	79
5	Evaluation of alternative strategies to optimize ketorolac transdermal delivery. <i>AAPS PharmSciTech</i> , 2006, 7, E61-E69.	3.3	76
6	Recent advances in the search for novel 5-lipoxygenase inhibitors for the treatment of asthma. <i>European Journal of Medicinal Chemistry</i> , 2018, 153, 65-72.	5.5	64
7	Optimization of hyaluronan-based eye drop formulations. <i>Carbohydrate Polymers</i> , 2016, 153, 275-283.	10.2	63
8	Bifunctional phase-transfer catalysis in the asymmetric synthesis of biologically active isoindolinones. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2591-2599.	2.2	55
9	Structure-activity relationship study of arbidol derivatives as inhibitors of chikungunya virus replication. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6014-6025.	3.0	43
10	Synthesis and Reactivity of the 3-Substituted Isoindolinone Framework to Assemble Highly Functionalized Related Structures. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5357-5365.	2.4	41
11	Design of inhibitors of influenza virus membrane fusion: Synthesis, structure-activity relationship and in vitro antiviral activity of a novel indole series. <i>Antiviral Research</i> , 2013, 99, 125-135.	4.1	39
12	Discovery and biological evaluation of novel 1,4-benzoquinone and related resorcinol derivatives that inhibit 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 269-279.	5.5	37
13	Molecular Docking of Isolated Alkaloids for Possible α -Glucosidase Inhibition. <i>Biomolecules</i> , 2019, 9, 544.	4.0	37
14	Novel series of benzoquinones with high potency against 5-lipoxygenase in human polymorphonuclear leukocytes. <i>European Journal of Medicinal Chemistry</i> , 2015, 94, 132-139.	5.5	36
15	Protective effects of raspberry on the oxidative damage in HepG2 cells through Keap1/Nrf2-dependent signaling pathway. <i>Food and Chemical Toxicology</i> , 2019, 133, 110781.	3.6	36
16	Discovery of novel multi-target indole-based derivatives as potent and selective inhibitors of chikungunya virus replication. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 327-337.	3.0	34
17	Design, synthesis, biophysical and biological studies of trisubstituted naphthalimides as G-quadruplex ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6419-6429.	3.0	33
18	A systematic study on the use of different organocatalytic activation modes for asymmetric conjugated addition reactions of isoindolinones. <i>Tetrahedron</i> , 2017, 73, 819-828.	1.9	33

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19	Structure-based design, synthesis and preliminary anti-inflammatory activity of bolinaquinone analogues. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 488-496.	5.5	32
20	Cascade reactions of glycine Schiff bases and chiral phase transfer catalysts in the synthesis of α -amino acids 3-substituted phthalides or isoindolinones. <i>RSC Advances</i> , 2014, 4, 4239-4246.	3.6	32
21	Synthesis and antiproliferative properties of N3/8-disubstituted 3,8-diazabicyclo[3.2.1]octane analogues of 3,8-bis[2-(3,4,5-trimethoxyphenyl)pyridin-4-yl]methyl-piperazine. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 293-306.	5.5	30
22	Synthesis and biological evaluation of (2S)- and (2R)-2-(3- α -phosphonobicyclo[1.1.1]pentyl)glycines as novel group III selective metabotropic glutamate receptor ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3811-3817.	3.0	29
23	Design, synthesis and biological evaluation of novel bicyclo[1.1.1]pentane-based α -acidic amino acids as glutamate receptors ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 242-250.	3.0	28
24	Trimethylchlorosilane and Silicon Tetrachloride in Two Novel Methodologies for the Efficient and Mild Aldol Addition of α -Keto Esters and Malonates to Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3348-3354.	4.3	27
25	Protective effect of piceatannol and bioactive stilbene derivatives against hypoxia-induced toxicity in H9c2 cardiomyocytes and structural elucidation as 5-LOX inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 180, 637-647.	5.5	27
26	Cyclohexa-2,5-diene-1,4-dione-based antiproliferative agents: design, synthesis, and cytotoxic evaluation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013, 32, 24.	8.6	26
27	Elucidation of the molecular mechanism and the efficacy <i>in vivo</i> of a novel 1,4-benzoquinone that inhibits 5-lipoxygenase. <i>British Journal of Pharmacology</i> , 2014, 171, 2399-2412.	5.4	26
28	Targeting STATs in neuroinflammation: The road less traveled!. <i>Pharmacological Research</i> , 2019, 141, 73-84.	7.1	26
29	The 5-lipoxygenase inhibitor RF-22c potently suppresses leukotriene biosynthesis in cellulose and blocks bronchoconstriction and inflammation <i>in vivo</i> . <i>Biochemical Pharmacology</i> , 2016, 112, 60-71.	4.4	25
30	Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 715-726.	5.5	25
31	Synthesis and Preliminary Biological Evaluation of α -Substituted 2-(3- α -Carboxybicyclo[1.1.1]pentyl)glycine Derivatives as Group III Selective Metabotropic Glutamate Receptor Ligands. <i>ChemMedChem</i> , 2006, 1, 358-365.	3.2	24
32	Exploring the role of chloro and methyl substitutions in 2-phenylthiomethyl-benzoindole derivatives for 5-LOX enzyme inhibition. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 466-475.	5.5	23
33	Further studies on ethyl 5-hydroxy-indole-3-carboxylate scaffold: Design, synthesis and evaluation of 2-phenylthiomethyl-indole derivatives as efficient inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 492-498.	5.5	21
34	Structural insight into the optimization of ethyl 5-hydroxybenzo[g]indol-3-carboxylates and their bioisosteric analogues as 5-LO/m-PGES-1 dual inhibitors able to suppress inflammation. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 946-960.	5.5	18
35	Diastereoselectivity in the alkylation of 4-fluoroproline methyl esters. <i>Tetrahedron Letters</i> , 2006, 47, 8929-8932.	1.4	15
36	<i>In vitro</i> antiviral and immunomodulatory activity of arbidol and structurally related derivatives in herpes simplex virus type 1-infected human keratinocytes (HaCat). <i>Journal of Medical Microbiology</i> , 2014, 63, 1474-1483.	1.8	15

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37	Circulating Regulatory T-Cells in Monoclonal Gammopathies of Uncertain Significance and Multiple Myeloma: In Search of a Role. <i>Journal of Immunology Research</i> , 2016, 2016, 1-7.	2.2	15
38	Phenolics from <i>Castanea sativa</i> leaves and their effects on UVB-induced damage. <i>Natural Product Research</i> , 2018, 32, 1170-1175.	1.8	15
39	Formulation and Characterization of Solid Lipid Nanoparticles Loading RF22-c, a Potent and Selective 5-LO Inhibitor, in a Monocrotaline-Induced Model of Pulmonary Hypertension. <i>Frontiers in Pharmacology</i> , 2020, 11, 83.	3.5	14
40	Synthesis of β^2 -hydroxymalonates: the direct aldol addition of malonates to aldehydes in the presence of SiCl_4 and $i\text{-Pr}_2\text{EtN}$. <i>Tetrahedron Letters</i> , 2009, 50, 7318-7321.	1.4	13
41	Active methylene compounds in a very effective approach to 3-substituted isobenzofuranones through tandem aldol/lactonization reactions. <i>Tetrahedron</i> , 2012, 68, 6146-6151.	1.9	12
42	A New Approach to Di- and Tetrasubstituted 2,3-Dihydropyridin-4(1H)-ones through Aza-Diels-Alder Reaction Promoted by Silicon Tetrachloride. <i>Synthesis</i> , 2009, 2009, 643-649.	2.3	10
43	Synthesis and pharmacological evaluation of functionalized isoindolinones on GABA-activated chloride currents in rat cerebellum granule cells in culture. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5284-5289.	2.2	10
44	Binding of Harmine Derivatives to DNA: A Spectroscopic Investigation. <i>Molecules</i> , 2017, 22, 1831.	3.8	10
45	Synthetic Strategies and Cascade Reactions of 2-Cyanobenzophenones for the Access to Diverse 3,3-Disubstituted Isoindolinones and 3-Aryloxyisoindolinones. <i>ChemistrySelect</i> , 2019, 4, 4820-4826. ^{1.5}		10
46	Multi-component, regio-selective aldol addition of β^2 -ketoesters to aldehydes: scope and applications. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8483.	2.8	9
47	2,3-Dihydro-1,2-diphenyl-substituted 4H-Pyridinone Derivatives as New Anti Flaviviridae Inhibitors. <i>Chemical Biology and Drug Design</i> , 2011, 77, 441-449.	3.2	9
48	A Hydroquinone-Based Derivative Elicits Apoptosis and Autophagy via Activating a ROS-Dependent Unfolded Protein Response in Human Glioblastoma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3836.	4.1	9
49	Role of adiponectin in sphingosine-1-phosphate induced airway hyperresponsiveness and inflammation. <i>Pharmacological Research</i> , 2016, 103, 114-122.	7.1	8
50	3-Carboxylate-Substituted Isoindolinones in K_2CO_3 -Catalyzed Michael Reactions. <i>Synthetic Communications</i> , 2015, 45, 1552-1558.	2.1	7
51	The Aldol Addition of Readily Enolizable 1,3-Dicarbonyl Compounds to 2-Cyanobenzaldehyde in the Synthesis of Novel 3-Substituted Isoindolinones. <i>Synthesis</i> , 2011, 2011, 3027-3031.	2.3	6
52	Antioxidant Activity of Diphenylpropionamide Derivatives: Synthesis, Biological Evaluation and Computational Analysis. <i>Molecules</i> , 2008, 13, 749-761.	3.8	5
53	Synthesis, Physicochemical Properties and In Vitro Permeation Studies of New Ketorolac Ester Derivatives. <i>Current Drug Delivery</i> , 2007, 4, 205-210.	1.6	4
54	N, N-(4,5-Dihydro-1H-imidazol-2-yl)3-aza-1, 10-decane-diamine and N, N-(4,5-dihydro-1H-imidazol-2-yl)3-aza-1, 10-dodecane-diamine antagonize cell proliferation as selective ligands towards topoisomerase II. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1415-1420.	2.4	3

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55	1-Methoxy-Canthin-6-One and Related β^2 -Carbolines: From Natural Compound to Synthesis and Biological Activities. <i>Studies in Natural Products Chemistry</i> , 2012, , 81-104.	1.8	3
56	Organocatalytic asymmetric hydroxymethylation of isoindolinones with paraformaldehyde. <i>Monatshefte für Chemie</i> , 2018, 149, 723-727.	1.8	3
57	New chelating agents for Cu(II), Fe(III), Al(III), and Zn(II) based on β^2 -diketonate-3-substituted phthalide (isobenzofuranone) and isoindolinone. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2217-2228.	2.2	2
58	Dimethyl 2-(1-Methyl-3-oxo-1,3-dihydroisobenzofuran-1-yl)malonate. <i>MolBank</i> , 2020, 2020, M1124.	0.5	1
59	New trends in anti-inflammatory drugs. <i>European Journal of Medicinal Chemistry</i> , 2018, 153, 1.	5.5	0