Valentina Onnis

List of Publications by Year
in descending order

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112	2,826	159585	223800
papers	citations	30 h-index	46 g-index

123	123	123	3711
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design, synthesis, and in vitro antitumor activity of new 1,4-diarylimidazole-2-ones and their 2-thione analogues. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 989-993.	2.2	134
2	Carbonic Anhydrase Inhibitors Targeting Metabolism and Tumor Microenvironment. Metabolites, 2020, 10, 412.	2.9	116
3	Synthesis and in vitro antitumoral activity of new hydrazinopyrimidine-5-carbonitrile derivatives. Bioorganic and Medicinal Chemistry, 2006, 14, 366-372.	3.0	114
4	Synthesis and antitumour activity of 4-hydroxy-2-pyridone derivatives. European Journal of Medicinal Chemistry, 2000, 35, 545-552.	5.5	83
5	Indole derivatives as multifunctional drugs: Synthesis and evaluation of antioxidant, photoprotective and antiproliferative activity of indole hydrazones. Bioorganic Chemistry, 2019, 85, 568-576.	4.1	83
6	Synthesis and antiproliferative activity of 2,6-Dibenzylamino-3,5-dicyanopyridines on human cancer cell lines. European Journal of Medicinal Chemistry, 2005, 40, 1365-1372.	5.5	80
7	Synthesis and evaluation of anticancer activity of 2-arylamino-6-trifluoromethyl-3-(hydrazonocarbonyl)pyridines. Bioorganic and Medicinal Chemistry, 2009, 17, 6158-6165.	3.0	75
8	Synthesis and in vitro antitumor activity of new 4,5-dihydropyrazole derivatives. Bioorganic and Medicinal Chemistry, 2010, 18, 6238-6248.	3.0	69
9	Synthesis of ibuprofen heterocyclic amides and investigation of their analgesic and toxicological properties. European Journal of Medicinal Chemistry, 2003, 38, 513-518.	5.5	66
10	Activity of a new class of isonicotinoylhydrazones used alone and in combination with isoniazid, rifampicin, ethambutol, para-aminosalicylic acid and clofazimine against Mycobacterium tuberculosis. Journal of Antimicrobial Chemotherapy, 2002, 49, 275-282.	3.0	63
11	Inhibition of fatty acid amide hydrolase, a key endocannabinoid metabolizing enzyme, by analogues of ibuprofen and indomethacin. European Journal of Pharmacology, 2007, 565, 26-36.	3.5	61
12	The case for the development of novel analgesic agents targeting both fatty acid amide hydrolase and either cyclooxygenase or TRPV1. British Journal of Pharmacology, 2009, 156, 412-419.	5.4	61
13	Synthesis and antimycobacterial activity of some isonicotinoylhydrazones. European Journal of Medicinal Chemistry, 1999, 34, 1071-1076.	5.5	55
14	New bis(pyridyl)methane derivatives from 4-hydroxy-2-pyridones: synthesis and antitumoral activity. European Journal of Medicinal Chemistry, 2003, 38, 37-47.	5.5	51
15	Interaction and reactivity of synthetic aminoisoflavones with metal-free and metal-associated amyloid-Î². Chemical Science, 2014, 5, 4851-4862.	7.4	50
16	New Potential Anticancer Agents Based on the Anthranilic Acid Scaffold. Synthesis and Evaluation of Biological Activity. Journal of Medicinal Chemistry, 2005, 48, 8245-8252.	6.4	48
17	Synthesis and antimycobacterial activity of new S-alkylisothiosemicarbazone derivatives. Bioorganic and Medicinal Chemistry, 2002, 10, 501-506.	3.0	47
18	Synthesis and biological evaluation of novel acylhydrazone derivatives as potential antitumor agents. Bioorganic and Medicinal Chemistry, 2013, 21, 6592-6599.	3.0	42

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19	Nematicidal activity of acetophenones and chalcones against Meloidogyne incognita and structureâ€“activity considerations. Pest Management Science, 2016, 72, 125-130.	3.4	42
20	Synthesis and in vitro antitumoral activity of new 3,5-dicyanopyridine derivatives. Bioorganic and Medicinal Chemistry, 2007, 15, 1859-1867.	3.0	40
21	Benzofuran hydrazones as potential scaffold in the development of multifunctional drugs: Synthesis and evaluation of antioxidant, photoprotective and antiproliferative activity. European Journal of Medicinal Chemistry, 2018, 156, 118-125.	5.5	40
22	Synthesis, characterisation and insulin-mimetic activity of oxovanadium(IV) complexes with amidrazone derivatives. Journal of Inorganic Biochemistry, 2007, 101, 19-29.	3.5	37
23	Synthesis and antitumor evaluation of 6-thioxo-, 6-oxo- and 2,4-dioxopyrimidine derivatives. Il Farmaco, 2001, 56, 741-748.	0.9	36
24	Potent Nematicidal Activity of Maleimide Derivatives on Meloidogyne incognita. Journal of Agricultural and Food Chemistry, 2016, 64, 4876-4881.	5.2	36
25	Synthesis and in vitro antitumoral activity of new N-phenyl-3-pyrrolecarbothioamides. Bioorganic and Medicinal Chemistry, 2003, 11, 495-503.	3.0	34
26	Design, Synthesis and Evaluation of Antiproliferative Activity of New Benzimidazolehydrazones. Molecules, 2016, 21, 579.	3.8	32
27	Targeting prokineticin system counteracts hypersensitivity, neuroinflammation, and tissue damage in a mouse model of bortezomib-induced peripheral neuropathy. Journal of Neuroinflammation, 2019, 16, 89.	7.2	32
28	2-Acylhydrazino-5-arylpyrrole derivatives: Synthesis and antifungal activity evaluation. European Journal of Medicinal Chemistry, 2009, 44, 1288-1295.	5.5	31
29	Antagonism of EG-VEGF Receptors as Targeted Therapy for Choriocarcinoma Progression In Vitro and In Vivo. Clinical Cancer Research, 2017, 23, 7130-7140.	7.0	31
30	Design, synthesis and antiviral evaluation of novel heteroarylcarbothioamide derivatives as dual inhibitors of HIV-1 reverse transcriptase-associated RNase H and RDDP functions. Pathogens and Disease, 2017, 75, .	2.0	31
31	Inhibitory properties of ibuprofen and its amide analogues towards the hydrolysis and cyclooxygenation of the endocannabinoid anandamide. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 172-182.	5.2	30
32	Inhibition of fatty acid amide hydrolase and cyclooxygenase by the N-(3-methylpyridin-2-yl)amide derivatives of flurbiprofen and naproxen. European Journal of Pharmacology, 2013, 720, 383-390.	3.5	30
33	In vitro antimycobacterial activity of newly synthesised S-alkylisothiosemicarbazone derivatives and synergistic interactions in combination with rifamycins against Mycobacterium avium. International Journal of Antimicrobial Agents, 2005, 26, 28-32.	2.5	29
34	Critical role for prokineticin 2 in CNS autoimmunity. Neurology: Neuroimmunology and NeuroInflammation, 2015, 2, e95.	6.0	29
35	Synthesis and evaluation of antioxidant and antiproliferative activity of 2-arylbenzimidazoles. Bioorganic Chemistry, 2020, 94, 103396.	4.1	28
36	Discovery of thiazolin-4-one-based aromatic sulfamates as a new class of carbonic anhydrase isoforms I, II, IV, and IX inhibitors. Bioorganic Chemistry, 2018, 77, 293-299.	4.1	27

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37	Antagonism of the Prokineticin System Prevents and Reverses Allodynia and Inflammation in a Mouse Model of Diabetes. PLoS ONE, 2016, 11, e0146259.	2.5	27
38	Synthesis of new 2-arylamino-6-trifluoromethylpyridine-3-carboxylic acid derivatives and investigation of their analgesic activity. Bioorganic and Medicinal Chemistry, 2004, 12, 4169-4177.	3.0	26
39	Effect of Lysine at C-Terminus of the Dmt-Tic Opioid Pharmacophore. Journal of Medicinal Chemistry, 2006, 49, 5610-5617.	6.4	25
40	Flavones and structurally related 4-chromenones inhibit carbonic anhydrases by a different mechanism of action compared to coumarins. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3063-3066.	2.2	25
41	A new convenient synthetic method and preliminary pharmacological characterization of triazinediones as prokineticin receptor antagonists. European Journal of Medicinal Chemistry, 2014, 81, 334-340.	5.5	25
42	Synthesis of sulfonamides incorporating piperazinyl-ureido moieties and their carbonic anhydrase I, II, IX and XII inhibitory activity. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3850-3853.	2.2	25
43	Synthesis and biological evaluation of novel pyrazoline-based aromatic sulfamates with potent carbonic anhydrase isoforms II, IV and IX inhibitory efficacy. Bioorganic Chemistry, 2018, 77, 633-639.	4.1	25
44	Synthesis and Evaluation of Paracetamol Esters As Novel Fatty Acid Amide Hydrolase Inhibitors. Journal of Medicinal Chemistry, 2010, 53, 2286-2298.	6.4	24
45	Synthesis and carbonic anhydrase I, II, IX and XII inhibition studies of 4-N,N-disubstituted sulfanilamides incorporating 4,4,4-trifluoro-3-oxo-but-1-enyl, phenacylthiourea and imidazol-2(3H)-one/thione moieties. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1776-1779.	2.2	24
46	Structure-activity relationship with pyrazoline-based aromatic sulfamates as carbonic anhydrase isoforms I, II, IX and XII inhibitors: Synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2019, 182, 111638.	5.5	24
47	Synthesis and evaluation of antitumoral activity of ester and amide derivatives of 2-arylamino-6-trifluoromethyl-3-pyridinecarboxylic acids. Bioorganic and Medicinal Chemistry, 2008, 16, 2367-2378.	3.0	23
48	PPARÎ³ controls pregnancy outcome through activation of EG-VEGF: new insights into the mechanism of placental development. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E357-E369.	3.5	23
49	Effect of the T-type channel blocker KYS-05090S in mouse models of acute and neuropathic pain. Pflugers Archiv European Journal of Physiology, 2016, 468, 193-199.	2.8	23
50	Synthesis of new N-(2-(trifluoromethyl)pyridin-4-yl)anthranilic acid derivatives and their evaluation as anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5787-5791.	2.2	22
51	Synthesis of 2-Amino-5-pyrimidinecarbonitrile Derivatives. Synthesis, 1991, 1991, 529-530.	2.3	21
52	Synthesis of triflouromethylated pyridinecarbonitriles. Journal of Heterocyclic Chemistry, 1995, 32, 543-545.	2.6	21
53	Palladium(II) and platinum(II),(IV) complexes of 2-aminopyrimidine derivatives. Transition Metal Chemistry, 1999, 24, 370-372.	1.4	21
54	Facile Synthesis of 2,2-Dimethylchromans by Mo(CO)6 Catalyzed Reaction of Aryl Prenyl Ethers. Synthesis, 1998, 1998, 256-258.	2.3	18

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55	In Vitro Nematicidal Activity of Aryl Hydrazones and Comparative GC-MS Metabolomics Analysis. Journal of Agricultural and Food Chemistry, 2015, 63, 9970-9976.	5.2	18
56	Synthesis, characterization, HSA/DNA interactions and antitumor activity of new [Ru(Î·6-p-cymene)Cl2(L)] complexes. Journal of Inorganic Biochemistry, 2020, 213, 111256.	3.5	18
57	Cholinium-Based Ionic Liquids from Hydroxycinnamic Acids as New Promising Bioactive Agents: A Combined Experimental and Theoretical Investigation. ACS Sustainable Chemistry and Engineering, 2021, 9, 2975-2986.	6.7	17
58	Heterocyclization of propenethioamides: A direct synthesis of 1,4â€thiazepine ring systems. Journal of Heterocyclic Chemistry, 1995, 32, 463-466.	2.6	16
59	3,4-Dihydroquinazoline derivatives inhibit the activities of cholinesterase enzymes. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1179-1185.	2.2	16
60	Annulation of functionalized hexadienones as an efficient regioselective approach to	1.4	15
61	Synthesis and carbonic anhydrase I, II, IX and XII inhibitory activity of sulfamates incorporating piperazinyl-ureido moieties. Bioorganic and Medicinal Chemistry, 2015, 23, 5619-5625.	3.0	15
62	Sulfonamide/sulfamate switch with a series of piperazinylureido derivatives: Synthesis, kinetic and in silico evaluation as carbonic anhydrase isoforms I, II, IV, and IX inhibitors. European Journal of Medicinal Chemistry, 2020, 186, 111896.	5.5	15
63	Appliance of the piperidinyl-hydrazidoureido linker to benzenesulfonamide compounds: Synthesis, in vitro and in silico evaluation of potent carbonic anhydrase II, IX and XII inhibitors. Bioorganic Chemistry, 2020, 98, 103728.	4.1	15
64	Heterocyclization of Acetamidrazones.I.Synthesis of 1,2,4-triazolo[4,3-a]pyridinesviaring closure of 6-(2-acylhydrazino)pyridine intermediates. Journal of Heterocyclic Chemistry, 1991, 28, 797-800.	2.6	14
65	An Improved Procedure for the Preparation of Substituted Thiazoles. Synthesis, 1993, 1993, 199-201.	2.3	14
66	Mo(CO)6 Catalyzed One-Pot Conversion of Allyl Aryl Ethers to Dihydrobenzofurans. Synthesis, 1997, 1997, 41-43.	2.3	14
67	Propenethioamides in the synthesis of heterocyclic systems. Synthesis of pyrrole and 1,4-thiazepine derivatives. Journal of Heterocyclic Chemistry, 1995, 32, 1679-1682.	2.6	13
68	Convenient synthesis of 4â€aminoâ€7â€(dialkylamino)pyrido[2,3â€d]pyrimidines from polysubstituted pyridines. Journal of Heterocyclic Chemistry, 1993, 30, 253-256.	2.6	12
69	Synthesis of new fluorinated 1,5â€benzoxazepine derivatives. Journal of Heterocyclic Chemistry, 1997, 34, 1347-1350.	2.6	12
70	Transformation of 6-methylthiopyrimidines. Preparation of new pyrimidine derivatives and fused azolopyrimidines. Journal of Heterocyclic Chemistry, 2000, 37, 707-710.	2.6	12
71	Novel 2-amino-isoflavones exhibit aryl hydrocarbon receptor agonist or antagonist activity in a species/cell-specific context. Toxicology, 2012, 297, 26-33.	4.2	12
72	In-Vitro Evaluation of Antioxidant, Antiproliferative and Photo-Protective Activities of Benzimidazolehydrazone Derivatives. Pharmaceuticals, 2020, 13, 68.	3.8	12

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73	Interaction of the N-(3-Methylpyridin-2-yl)amide Derivatives of Flurbiprofen and Ibuprofen with FAAH: Enantiomeric Selectivity and Binding Mode. PLoS ONE, 2015, 10, e0142711.	2.5	12
74	New trifluoromethylated pyridines from functionalized N¹â€acylacetamidrazones. Journal of Heterocyclic Chemistry, 1996, 33, 1771-1773.	2.6	11
75	Palladium(II) and platinum(II), (IV) complexes of acetamidrazones. Polyhedron, 1998, 17, 2065-2072.	2.2	11
76	Crystal and molecular structure of acetamidrazone derivatives. Journal of Chemical Crystallography, 2001, 31, 149-154.	1.1	11
77	Amidrazones as Precursors of Biologically Active Compounds - Synthesis of Diaminopyrazoles for Evaluation of Anticancer Activity. Archiv Der Pharmazie, 2006, 339, 7-13.	4.1	11
78	Haloacetophenones as newly potent nematicides against Meloidogyne incognita. Industrial Crops and Products, 2017, 110, 94-102.	5.2	11
79	Synthesis and inÂvitro evaluation of piperazinyl-ureido sulfamates as steroid sulfatase inhibitors. European Journal of Medicinal Chemistry, 2019, 182, 111614.	5.5	11
80	2-(Arylamino)-6-(trifluoromethyl)nicotinic Acid Derivatives: New HIV-1 RT Dual Inhibitors Active on Viral Replication. Molecules, 2020, 25, 1338.	3.8	11
81	Characterisation of (R)-2-(2-Fluorobiphenyl-4-yl)-N-(3-Methylpyridin-2-yl)Propanamide as a Dual Fatty Acid Amide Hydrolase: Cyclooxygenase Inhibitor. PLoS ONE, 2015, 10, e0139212.	2.5	11
82	Design, synthesis, and anti-HIV-1 activity of 1-substituted 3-(3,5-dimethylbenzyl)triazine derivatives. Antiviral Chemistry and Chemotherapy, 2015, 24, 62-71.	0.6	10
83	Novel propanamides as fatty acid amide hydrolase inhibitors. European Journal of Medicinal Chemistry, 2017, 136, 523-542.	5.5	10
84	Exploring the fatty acid amide hydrolase and cyclooxygenase inhibitory properties of novel amide derivatives of ibuprofen. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 815-823.	5.2	9
85	1,2,4-Triazolo[4,3-c]pyrimidines from 4-acylhydrazinopyrimidines. Journal of Heterocyclic Chemistry, 1992, 29, 1341-1347.	2.6	8
86	Synthesis of 2Hâ€pyrazolo[3,4â€b]pyridinâ€3â€oles via cyclization of pyrazolacrylonitriles. Journal of Heterocyclic Chemistry, 1994, 31, 925-928.	2.6	8
87	New synthesis of 2(1H)-pyridone derivatives. Journal of Heterocyclic Chemistry, 1992, 29, 1631-1634.	2.6	7
88	A facile synthesis of 3,5â€diaminopyrazoleâ€4â€carbothioamides and 3,5â€diaminopyrazoleâ€4â€carboxylates. Journal of Heterocyclic Chemistry, 1999, 36, 1183-1188.	2.6	7
89	Further studies on the effect of lysine at the C-terminus of the Dmt-Tic opioid pharmacophore. Bioorganic and Medicinal Chemistry, 2007, 15, 3143-3151.	3.0	7
90	Synthesis of Some New 2(1H)-Pyridones from 3-Amino-3-(dialkylamino)propenenitriles. Synthesis, 1992, 1992, 371-373.	2.3	6

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91	Reaction of enaminonitriles with isocyanates. Synthesis of new 2â€oxoâ€•and 6â€oxopyrimidines. Journal of Heterocyclic Chemistry, 1994, 31, 329-334.	2.6	6
92	Reaction ofN1-acylacetamidrazones with trifluoroacetylvinyl ethers. Synthesis of new 4-trifluoromethyl- and 6-trifluoromethylpyridines. Journal of Heterocyclic Chemistry, 1997, 34, 1283-1290.	2.6	6
93	Prokineticin Receptor 1 Antagonist PC-10 as a Biomarker for Imaging Inflammatory Pain. Journal of Nuclear Medicine, 2011, 52, 600-607.	5.0	6
94	Inhibitory effect of positively charged triazine antagonists of prokineticin receptors on the transient receptor vanilloid type-1 (TRPV1) channel. Pharmacological Research, 2015, 99, 362-369.	7.1	6
95	Benzylamides and piperazinoarylamides of ibuprofen as fatty acid amide hydrolase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 562-576.	5.2	6
96	Synthesis and Biological Evaluation of 2-Substituted Benzyl-/Phenylethylamino-4-amino-5-aroylthiazoles as Apoptosis-Inducing Anticancer Agents. Molecules, 2020, 25, 2177.	3.8	6
97	Simple Synthesis of Polyfunctional Nitropyridines. Heterocycles, 1993, 36, 2829.	0.7	6
98	Reactivity of N1-Acylacetamidrazones towards Diethyl Acetylenedicarboxylate: Cyclization to Ethyl Pyrroleacetates and 1-Acylaminopyridones. Heterocycles, 1995, 41, 1479.	0.7	6
99	Novel reaction of carbon suboxide. Synthesis of 6â€aminoâ€4â€hydroxyâ€2(1H)â€pyridone derivatives. Journal of Heterocyclic Chemistry, 1992, 29, 237-239.	2.6	5
100	Synthesis and Azannulation of Pyridinylaminohexadienones.. Chemical and Pharmaceutical Bulletin, 2001, 49, 703-706.	1.3	5
101	Ruthenium(II) Complexes of Isothiazole Ligands: Crystal Structure, HSA/DNA Interactions, Cytotoxic Activity and Molecular Docking Simulations. ChemistrySelect, 2020, 5, 11489-11502.	1.5	5
102	Synthesis and Structural Studies of 3-Acylamino-4-amino-2,3-dihydro-2-iminothiazole-5-carboxylates and 4-Acylhydrazino-2-aminothiazole-5-carboxylates. Heterocycles, 2004, 63, 259.	0.7	5
103	The fatty acid amide hydrolase and cyclooxygenase-inhibitory properties of novel amide derivatives of carprofen. Bioorganic Chemistry, 2020, 101, 104034.	4.1	4
104	Design, synthesis and inÂvitro and inÂvivo biological evaluation of flurbiprofen amides as new fatty acid amide hydrolase/cyclooxygenase-2 dual inhibitory potential analgesic agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 940-953.	5.2	3
105	Human Enterovirus B: Selective Inhibition by Quinoxaline Derivatives and Bioinformatic RNA-Motif Identification as New Targets. Pharmaceuticals, 2022, 15, 181.	3.8	2
106	Title is missing!. Transition Metal Chemistry, 2001, 26, 24-27.	1.4	1
107	New Bis(pyridyl)methane Derivatives from 4-Hydroxy-2-pyridones: Synthesis and Antitumoral Activity.. ChemInform, 2003, 34, no.	0.0	1
108	Synthesis and Structural Studies of 3-Acylamino-4-amino-2,3-dihydro-2-iminothiazole-5-carboxylates and 4-Acylhydrazino-2-aminothiazole-5-carboxylates.. ChemInform, 2004, 35, no.	0.0	0

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109	Synthesis of New N-(2-(Trifluoromethyl)pyridin-4-yl)anthranilic Acid Derivatives and Their Evaluation as Anticancer Agents.. ChemInform, 2005, 36, no.	0.0	0
110	An important role for prokineticin 2 in autoimmune CNS demyelination. Journal of Neuroimmunology, 2014, 275, 131.	2.3	0
111	TRPV1 modulators: Synthesis and inÂvitro evaluation of 1-heteroaryl piperidinecarboxamide and piperazinylurea derivatives. European Journal of Medicinal Chemistry, 2015, 100, 129-138.	5.5	0
112	A novel inhibitor of fatty acid amide hydrolase, the enzyme responsible for the hydrolysis of the endocannabinoid anandamide. FASEB Journal, 2009, 23, 756.15.	0.5	0