Antonio Coluccia

List of Publications by Year
in descending order

69	2,984	186209	161767
papers	citations	28 h-index	54 g-index

71	71	71	4062
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Arylthioindoles:Â Potent Inhibitors of Tubulin Polymerization. 2. Structureâ^'Activity Relationships and Molecular Modeling Studies. Journal of Medicinal Chemistry, 2006, 49, 947-954.	2.9	331
2	Arylthioindoles, Potent Inhibitors of Tubulin Polymerization. Journal of Medicinal Chemistry, 2004, 47, 6120-6123.	2.9	260
3	Arylthioindole Inhibitors of Tubulin Polymerization. 3. Biological Evaluation, Structureâ^'Activity Relationships and Molecular Modeling Studies. Journal of Medicinal Chemistry, 2007, 50, 2865-2874.	2.9	177
4	Design, Molecular Modeling, Synthesis, and Anti-HIV-1 Activity of New Indolyl Aryl Sulfones. Novel Derivatives of the Indole-2-carboxamide. Journal of Medicinal Chemistry, 2006, 49, 3172-3184.	2.9	157
5	The Tubulin Colchicine Domain: a Molecular Modeling Perspective. ChemMedChem, 2012, 7, 33-42.	1.6	138
6	Indolylarylsulfones as HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors: New Cyclic Substituents at Indole-2-carboxamide. Journal of Medicinal Chemistry, 2011, 54, 1587-1598.	2.9	137
7	Toward Highly Potent Cancer Agents by Modulating the C-2 Group of the Arylthioindole Class of Tubulin Polymerization Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 123-149.	2.9	107
8	New Arylthioindoles and Related Bioisosteres at the Sulfur Bridging Group. 4. Synthesis, Tubulin Polymerization, Cell Growth Inhibition, and Molecular Modeling Studies. Journal of Medicinal Chemistry, 2009, 52, 7512-7527.	2.9	87
9	Computer-aided identification, design and synthesis of a novel series of compounds with selective antiviral activity against chikungunya virus. Antiviral Research, 2013, 98, 12-18.	1.9	87
10	New Pyrrole Derivatives with Potent Tubulin Polymerization Inhibiting Activity As Anticancer Agents Including Hedgehog-Dependent Cancer. Journal of Medicinal Chemistry, 2014, 57, 6531-6552.	2.9	80
11	Docking and 3-D QSAR Studies on Indolyl Aryl Sulfones. Binding Mode Exploration at the HIV-1 Reverse Transcriptase Non-Nucleoside Binding Site and Design of Highly ActiveN-(2-Hydroxyethyl)carboxamide andN-(2-Hydroxyethyl)carbohydrazide Derivatives. Journal of Medicinal Chemistry, 2005, 48, 213-223.	2.9	77
12	Design and Synthesis of 2-Heterocyclyl-3-arylthio-1H-indoles as Potent Tubulin Polymerization and Cell Growth Inhibitors with Improved Metabolic Stability. Journal of Medicinal Chemistry, 2011, 54, 8394-8406.	2.9	70
13	Looking for an Active Conformation of the Future HIV Type-1 Non-Nucleoside Reverse Transcriptase Inhibitors. Antiviral Chemistry and Chemotherapy, 2010, 20, 213-237.	0.3	57
14	Indolyl Aryl Sulfones as HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors:â€‰ Role of Two Halogen Atoms at the Indole Ring in Developing New Analogues with Improved Antiviral Activity. Journal of Medicinal Chemistry, 2007, 50, 5034-5038.	2.9	56
15	Indolylarylsulfones Bearing Natural and Unnatural Amino Acids. Discovery of Potent Inhibitors of HIV-1 Non-Nucleoside Wild Type and Resistant Mutant Strains Reverse Transcriptase and Coxsackie B4 Virus. Journal of Medicinal Chemistry, 2009, 52, 1922-1934.	2.9	54
16	Indole-2-carboxamides as Allosteric Modulators of the Cannabinoid CB1 Receptor. Journal of Medicinal Chemistry, 2012, 55, 5627-5631.	2.9	54
17	S[+] Apomorphine is a CNS penetrating activator of the Nrf2-ARE pathway with activity in mouse and patient fibroblast models of amyotrophic lateral sclerosis. Free Radical Biology and Medicine, 2013, 61, 438-452.	1.3	54
18	New Nitrogen Containing Substituents at the Indole-2-carboxamide Yield High Potent and Broad Spectrum Indolylarylsulfone HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 6634-6638.	2.9	52

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19	New Indole Tubulin Assembly Inhibitors Cause Stable Arrest of Mitotic Progression, Enhanced Stimulation of Natural Killer Cell Cytotoxic Activity, and Repression of Hedgehog-Dependent Cancer. Journal of Medicinal Chemistry, 2015, 58, 5789-5807.	2.9	51
20	Indolylarylsulfones Carrying a Heterocyclic Tail as Very Potent and Broad Spectrum HIV-1 Non-nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 9945-9957.	2.9	42
21	Discovery of a novel HCV helicase inhibitor by a de novo drug design approach. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2935-2937.	1.0	41
22	Structure-Based Lead Optimization and Biological Evaluation of BAX Direct Activators as Novel Potential Anticancer Agents. Journal of Medicinal Chemistry, 2015, 58, 2135-2148.	2.9	41
23	Discovery of 1,1â€²-Biphenyl-4-sulfonamides as a New Class of Potent and Selective Carbonic Anhydrase XIV Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 8564-8572.	2.9	40
24	Design, Synthesis, and Biological Evaluation of 1-Phenylpyrazolo[3,4-e]pyrrolo[3,4-g]indolizine-4,6(1H,5H)-diones as New Glycogen Synthase Kinase-3Î² Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 10066-10078.	2.9	39
25	New Inhibitors of Indoleamine 2,3-Dioxygenase 1: Molecular Modeling Studies, Synthesis, and Biological Evaluation. Journal of Medicinal Chemistry, 2016, 59, 9760-9773.	2.9	35
26	Towards modern anticancer agents that interact with tubulin. European Journal of Pharmaceutical Sciences, 2019, 131, 58-68.	1.9	34
27	New pyridine derivatives as inhibitors of acetylcholinesterase and amyloid aggregation. European Journal of Medicinal Chemistry, 2017, 141, 197-210.	2.6	32
28	New 6- and 7-heterocyclyl-1H-indole derivatives as potent tubulin assembly and cancer cell growth inhibitors. European Journal of Medicinal Chemistry, 2018, 152, 283-297.	2.6	30
29	Cdc25B Phosphatase Inhibitors in Cancer Therapy: Latest Developments, Trends and Medicinal Chemistry Perspective. Anti-Cancer Agents in Medicinal Chemistry, 2008, 8, 843-856.	0.9	28
30	Discovery of Biarylaminoquinazolines as Novel Tubulin Polymerization Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 4598-4605.	2.9	28
31	In vitro characterisation of a pleconaril/pirodavir-like compound with potent activity against rhinoviruses. Virology Journal, 2015, 12, 106.	1.4	28
32	Inhibition of dengue virus replication by novel inhibitors of RNA-dependent RNA polymerase and protease activities. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1091-1101.	2.5	28
33	Structure-Based Drug Design of Potent Pyrazole Derivatives against Rhinovirus Replication. Journal of Medicinal Chemistry, 2018, 61, 8402-8416.	2.9	26
34	Indolyl Aryl Sulphones as HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors: Synthesis, Biological Evaluation and Binding Mode Studies of New Derivatives at Indole-2-carboxamide. Antiviral Chemistry and Chemotherapy, 2006, 17, 59-77.	0.3	25
35	New 1-phenyl-5-(1H-pyrrol-1-yl)-1H-pyrazole-3-carboxamides inhibit hepatitis C virus replication via suppression of cyclooxygenase-2. European Journal of Medicinal Chemistry, 2015, 90, 497-506.	2.6	25
36	Small Molecule Inhibitors of KDM5 Histone Demethylases Increase the Radiosensitivity of Breast Cancer Cells Overexpressing JARID1B. Molecules, 2019, 24, 1739.	1.7	25

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37	Identification of a pharmacological inhibitor of Epac1 that protects the heart against acute and chronic models of cardiac stress. Cardiovascular Research, 2019, 115, 1766-1777.	1.8	25
38	New indolylarylsulfones as highly potent and broad spectrum HIV-1 non-nucleoside reverse transcriptase inhibitors. European Journal of Medicinal Chemistry, 2014, 80, 101-111.	2.6	21
39	Switching on the activity of 1,5-diaryl-pyrrole derivatives against drug-resistant ESKAPE bacteria: Structure-activity relationships and mode of action studies. European Journal of Medicinal Chemistry, 2019, 178, 500-514.	2.6	21
40	Chiral Indolylarylsulfone Non-Nucleoside Reverse Transcriptase Inhibitors as New Potent and Broad Spectrum Anti-HIV-1 Agents. Journal of Medicinal Chemistry, 2017, 60, 6528-6547.	2.9	19
41	Mitotic cell death induction by targeting the mitotic spindle with tubulin-inhibitory indole derivative molecules. Oncotarget, 2017, 8, 19738-19759.	0.8	19
42	Î²-catenin knockdown promotes NHERF1-mediated survival of colorectal cancer cells: implications for a double-targeted therapy. Oncogene, 2018, 37, 3301-3316.	2.6	18
43	Arylsulfone-based HIV-1 non-nucleoside reverse transcriptase inhibitors. Future Medicinal Chemistry, 2013, 5, 2141-2156.	1.1	17
44	Nox2-mediated platelet activation by glycoprotein (GP) VI: Effect of rivaroxaban alone and in combination with aspirin. Biochemical Pharmacology, 2019, 163, 111-118.	2.0	16
45	Molecular modelling studies on Arylthioindoles as potent inhibitors of tubulin polymerization. European Journal of Medicinal Chemistry, 2011, 46, 3519-3525.	2.6	15
46	Bicyclic Î³-amino acids as inhibitors of Î³-aminobutyrate aminotransferase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 295-301.	2.5	14
47	Discovery of Zika Virus NS2B/NS3 Inhibitors That Prevent Mice from Life-Threatening Infection and Brain Damage. ACS Medicinal Chemistry Letters, 2020, 11, 1869-1874.	1.3	14
48	An High-Throughput In Vivo Screening System to Select H3K4-Specific Histone Demethylase Inhibitors. PLoS ONE, 2014, 9, e86002.	1.1	14
49	Drug Design and Synthesis of First in Class PDZ1 Targeting NHERF1 Inhibitors as Anticancer Agents. ACS Medicinal Chemistry Letters, 2019, 10, 499-503.	1.3	13
50	Discovery of pyrrole derivatives for the treatment of glioblastoma and chronic myeloid leukemia. European Journal of Medicinal Chemistry, 2021, 221, 113532.	2.6	12
51	Targeting PDZ domains as potential treatment for viral infections, neurodegeneration and cancer. Biology Direct, 2021, 16, 15.	1.9	12
52	Heterocyclic pharmacochemistry of new rhinovirus antiviral agents: A combined computational and experimental study. European Journal of Medicinal Chemistry, 2017, 140, 528-541.	2.6	11
53	New indolylarylsulfone non-nucleoside reverse transcriptase inhibitors show low nanomolar inhibition of single and double HIV-1 mutant strains. European Journal of Medicinal Chemistry, 2020, 208, 112696.	2.6	10
54	Structural biology in antiviral drug discovery. Current Opinion in Pharmacology, 2016, 30, 116-130.	1.7	9

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55	3-Aroyl-1,4-diarylpyrroles Inhibit Chronic Myeloid Leukemia Cell Growth through an Interaction with Tubulin. ACS Medicinal Chemistry Letters, 2017, 8, 521-526.	1.3	8
56	Targeting the Interaction between the SH3 Domain of Grb2 and Gab2. Cells, 2020, 9, 2435.	1.8	7
57	VP1 crystal structure-guided exploration and optimization of 4,5-dimethoxybenzene-based inhibitors of rhinovirus 14 infection. European Journal of Medicinal Chemistry, 2016, 115, 453-462.	2.6	6
58	Mutational analysis of the essential lipopolysaccharide-transport protein LptH of Pseudomonas aeruginosa to uncover critical oligomerization sites. Scientific Reports, 2020, 10, 11276.	1.6	6
59	Indolyl aryl sulphones as HIV-1 reverse transcriptase inhibitors: docking and 3D QSAR studies. Expert Opinion on Drug Discovery, 2007, 2, 87-114.	2.5	5
60	Structure-activity relationship studies and inÂvitro and inÂvivo anticancer activity of novel 3-aroyl-1,4-diarylpyrroles against solid tumors and hematological malignancies. European Journal of Medicinal Chemistry, 2020, 185, 111828.	2.6	5
61	Enzymatic kinetic resolution of desmethylphosphinothricin indicates that phosphinic group is a bioisostere of carboxyl group. Communications Chemistry, 2020, 3, .	2.0	5
62	Sulfonamide Inhibitors of Î²â€Catenin Signaling as Anticancer Agents with Different Output on câ€MYC. ChemMedChem, 2020, 15, 2264-2268.	1.6	5
63	Advanced in silico Approaches in Antiviral Research. Antiviral Chemistry and Chemotherapy, 2010, 20, 147-151.	0.3	4
64	An in-silico approach aimed to clarify the role of Y181C and K103N HIV-1 reverse transcriptase mutations versus Indole Aryl Sulphones. Journal of Molecular Graphics and Modelling, 2016, 63, 49-56.	1.3	4
65	Structure-based Virtual Screening to Get New Scaffold Inhibitors of the Ser/Thr Protein Kinase PknB from Mycobacterium tuberculosis. Letters in Drug Design and Discovery, 2016, 13, 1012-1018.	0.4	4
66	Anticancer Activity of (S)-5-Chloro-3-((3,5-dimethylphenyl)sulfonyl)-N-(1-oxo-1-((pyridin-4-ylmethyl)amino)propan-2-yl)-1H-indole-2-carboxamide (RS4690), a New Dishevelled 1 Inhibitor. Cancers, 2022, 14, 1358.	4.7	4
67	Exploring <scp>CCRL2</scp> Chemerin binding using Accelerated Molecular Dynamics. Proteins: Structure, Function and Bioinformatics, 2022, , .	1.5	3
68	De novo computer-aided design of novel antiviral agents. Drug Discovery Today: Technologies, 2012, 9, e213-e218.	4.0	2
69	Modeling Epac1 interactions with the allosteric inhibitor AM-001 by co-solvent molecular dynamics. Journal of Computer-Aided Molecular Design, 2020, 34, 1171-1179.	1.3	2