Romano Silvestri

List of Publications by Year
in descending order

147 papers	5,664 citations	76322 40 h-index	91872 69 g-index
158 all docs	158 docs citations	158 times ranked	6671 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.	6.4	331
2	Indole, a core nucleus for potent inhibitors of tubulin polymerization. Medicinal Research Reviews, 2007, 27, 209-238.	10.5	326
3	Arylthioindoles, Potent Inhibitors of Tubulin Polymerization. Journal of Medicinal Chemistry, 2004, 47, 6120-6123.	6.4	260
4	New Frontiers in Selective Human MAO-B Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 6717-6732.	6.4	184
5	Arylthioindole Inhibitors of Tubulin Polymerization. 3. Biological Evaluation, Structureâ^'Activity Relationships and Molecular Modeling Studies. Journal of Medicinal Chemistry, 2007, 50, 2865-2874.	6.4	177
6	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.	6.4	157
7	Novel Indolyl Aryl Sulfones Active against HIV-1 Carrying NNRTI Resistance Mutations:Â Synthesis and SAR Studies. Journal of Medicinal Chemistry, 2003, 46, 2482-2493.	6.4	149
8	The Tubulin Colchicine Domain: a Molecular Modeling Perspective. ChemMedChem, 2012, 7, 33-42.	3.2	138
9	Indolylarylsulfones as HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors: New Cyclic Substituents at Indole-2-carboxamide. Journal of Medicinal Chemistry, 2011, 54, 1587-1598.	6.4	137
10	Structure-Based Design, Synthesis, and Biological Evaluation of Novel Pyrrolyl Aryl Sulfones:Â HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors Active at Nanomolar Concentrations. Journal of Medicinal Chemistry, 2000, 43, 1886-1891.	6.4	130
11	2-Sulfonyl-4-chloroanilino Moiety:Â A Potent Pharmacophore for the Anti-Human Immunodeficiency Virus Type 1 Activity of Pyrrolyl Aryl Sulfones. Journal of Medicinal Chemistry, 1996, 39, 522-530.	6.4	127
12	Boom in the development of nonâ€peptidic Î²â€secretase (BACE1) inhibitors for the treatment of Alzheimer's disease. Medicinal Research Reviews, 2009, 29, 295-338.	10.5	120
13	New Pyrrole Inhibitors of Monoamine Oxidase:Â Synthesis, Biological Evaluation, and Structural Determinants of MAO-A and MAO-B Selectivity. Journal of Medicinal Chemistry, 2007, 50, 922-931.	6.4	114
14	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.	6.4	107
15	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.	6.4	87
16	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.	4.1	87
17	New Pyrrole Derivatives with Potent Tubulin Polymerization Inhibiting Activity As Anticancer Agents Including Hedgehog-Dependent Cancer. Journal of Medicinal Chemistry, 2014, 57, 6531-6552.	6.4	80
18	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.	6.4	77

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19	Oleuropein, a component of extra virgin olive oil, lowers postprandial glycaemia in healthy subjects. British Journal of Clinical Pharmacology, 2018, 84, 1566-1574.	2.4	73
20	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.	6.4	70
21	Synthesis, Biological Evaluation, and Binding Mode of Novel 1-[2-(Diarylmethoxy)ethyl]-2-methyl-5-nitroimidazoles Targeted at the HIV-1 Reverse Transcriptase. Journal of Medicinal Chemistry, 2002, 45, 1567-1576.	6.4	65
22	Synthesis, Cannabinoid Receptor Affinity, and Molecular Modeling Studies of Substituted 1-Aryl-5-(1H-pyrrol-1-yl)-1H-pyrazole-3-carboxamides. Journal of Medicinal Chemistry, 2008, 51, 1560-1576.	6.4	65
23	Bovine serum amine oxidase: half-site reactivity with phenylhydrazine, semicarbazide, and aromatic hydrazides. Biochemistry, 1992, 31, 2615-2621.	2.5	61
24	Looking for an Active Conformation of the Future HIV Type-1 Non-Nucleoside Reverse Transcriptase Inhibitors. Antiviral Chemistry and Chemotherapy, 2010, 20, 213-237.	0.6	57
25	Pyrrolo[1,2-b][1,2,5]benzothiadiazepines (PBTDs):â€‰ A New Class of Agents with High Apoptotic Activity in Chronic Myelogenous Leukemia K562 Cells and in Cells from Patients at Onset and Who Were Imatinib-Resistant. Journal of Medicinal Chemistry, 2006, 49, 5840-5844.	6.4	56
26	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.	6.4	56
27	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.	6.4	54
28	Indole-2-carboxamides as Allosteric Modulators of the Cannabinoid CB1 Receptor. Journal of Medicinal Chemistry, 2012, 55, 5627-5631.	6.4	54
29	Simple, Short Peptide Derivatives of a Sulfonylindolecarboxamide (L-737,126) Active in Vitro against HIV-1 Wild Type and Variants Carrying Non-Nucleoside Reverse Transcriptase Inhibitor Resistance Mutations. Journal of Medicinal Chemistry, 2004, 47, 3892-3896.	6.4	53
30	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.	6.4	52
31	Novel 1-[2-(Diarylmethoxy)ethyl]-2-methyl-5-nitroimidazoles as HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors. A Structureâ”Activity Relationship Investigation. Journal of Medicinal Chemistry, 2005, 48, 4378-4388.	6.4	51
32	New Prospects for Vinblastine Analogues as Anticancer Agents. Journal of Medicinal Chemistry, 2013, 56, 625-627.	6.4	51
33	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.	6.4	51
34	Simple, Potent, and Selective Pyrrole Inhibitors of Monoamine Oxidase Types A and B. Journal of Medicinal Chemistry, 2003, 46, 917-920.	6.4	47
35	Venting-while-Heating Microwave-Assisted Synthesis of 3-Arylthioindoles. ACS Combinatorial Science, 2012, 14, 258-262.	3.8	47
36	5H-pyrrolo[1,2-b][1,2,5]benzothiadiazepines (PBTDs): A novel class of non-nucleoside reverse transcriptase inhibitors. Bioorganic and Medicinal Chemistry, 1996, 4, 837-850.	3.0	44

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37	Imidazole Analogues of Fluoxetine, a Novel Class of Anti-CandidaAgents. Journal of Medicinal Chemistry, 2004, 47, 3924-3926.	6.4	43
38	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.	6.4	42
39	Endogenous vs Exogenous Allosteric Modulators in GPCRs: A dispute for shuttling CB1 among different membrane microenvironments. Scientific Reports, 2015, 5, 15453.	3.3	41
40	Structure-Based Lead Optimization and Biological Evaluation of BAX Direct Activators as Novel Potential Anticancer Agents. Journal of Medicinal Chemistry, 2015, 58, 2135-2148.	6.4	41
41	Anti-HIV-1 activity of pyrryl aryl sulfone (PAS) derivatives: synthesis and SAR studies of novel esters and amides at the position 2Âof the pyrrole nucleus. Il Farmaco, 2004, 59, 201-210.	0.9	40
42	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.	6.4	40
43	1-[2-(Diphenylmethoxy)ethyl]-2-methyl-5-nitroimidazole. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 253-256.	2.2	39
44	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.	6.4	39
45	Pharmacological folding chaperones act as allosteric ligands of Frizzled4. Nature Chemical Biology, 2015, 11, 280-286.	8.0	35
46	New Inhibitors of Indoleamine 2,3-Dioxygenase 1: Molecular Modeling Studies, Synthesis, and Biological Evaluation. Journal of Medicinal Chemistry, 2016, 59, 9760-9773.	6.4	35
47	Towards modern anticancer agents that interact with tubulin. European Journal of Pharmaceutical Sciences, 2019, 131, 58-68.	4.0	34
48	Direct HPLC enantioseparation of chiral aptazepine derivatives on coated and immobilized polysaccharide-based chiral stationary phases. Chirality, 2006, 18, 621-632.	2.6	33
49	Synthesis, structureâ€“activity relationships and molecular modeling studies of new indole inhibitors of monoamine oxidases A and B. Bioorganic and Medicinal Chemistry, 2008, 16, 9729-9740.	3.0	31
50	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.	5.5	30
51	Synthesis of Pyrryl Aryl Sulfones Targeted at the HIV-1 Reverse Transcriptase. Archiv Der Pharmazie, 1995, 328, 223-229.	4.1	29
52	p38 MAPK differentially controls NK activating ligands at transcriptional and post-transcriptional level on multiple myeloma cells. OncoImmunology, 2017, 6, e1264564.	4.6	29
53	1-[(3-Aryloxy-3-aryl)propyl]-1H-imidazoles, New Imidazoles with Potent Activity againstCandida albicansand Dermatophytes. Synthesis, Structureâ^'Activity Relationship, and Molecular Modeling Studies. Journal of Medicinal Chemistry, 2008, 51, 3841-3855.	6.4	28
54	Discovery of Biarylaminoquinazolines as Novel Tubulin Polymerization Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 4598-4605.	6.4	28

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55	In vitro characterisation of a pleconaril/pirodavir-like compound with potent activity against rhinoviruses. Virology Journal, 2015, 12, 106.	3.4	28
56	Distinct Temporal Fingerprint for Cyclic Adenosine Monophosphate (cAMP) Signaling of Indole-2-carboxamides as Allosteric Modulators of the Cannabinoid Receptors. Journal of Medicinal Chemistry, 2015, 58, 5979-5988.	6.4	28
57	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.	5.2	28
58	Exploring the first Rimonabant analog-opioid peptide hybrid compound, as bivalent ligand for CB1 and opioid receptors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 444-451.	5.2	27
59	Comparative study between the polysaccharide-based Chiralcel OJ and Chiralcel OD CSPs in chromatographic enantioseparation of imidazole analogues of Fluoxetine and Miconazole. Journal of Separation Science, 2005, 28, 627-634.	2.5	26
60	Structure-Based Drug Design of Potent Pyrazole Derivatives against Rhinovirus Replication. Journal of Medicinal Chemistry, 2018, 61, 8402-8416.	6.4	26
61	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.	0.6	25
62	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.	5.5	25
63	Small Molecule Inhibitors of KDM5 Histone Demethylases Increase the Radiosensitivity of Breast Cancer Cells Overexpressing JARID1B. Molecules, 2019, 24, 1739.	3.8	25
64	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.	3.8	25
65	Open Vessel and Cooling while Heating Microwave-Assisted Synthesis of Pyridinyl N-Aryl Hydrazones. ACS Combinatorial Science, 2011, 13, 2-6.	3.8	24
66	Exploring 4-substituted-2-thiazolylhydrazones from 2-, 3-, and 4-acetylpyridine as selective and reversible hMAO-B inhibitors. European Journal of Medicinal Chemistry, 2013, 66, 221-227.	5.5	24
67	Focus on Chirality of HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors. Molecules, 2016, 21, 221.	3.8	24
68	Apple Can Act as Anti-Aging on Yeast Cells. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-8.	4.0	23
69	Bax Activation Blocks Self-Renewal and Induces Apoptosis of Human Glioblastoma Stem Cells. ACS Chemical Neuroscience, 2018, 9, 85-99.	3.5	22
70	Heterocycles with a benzothiadiazepine moiety.3.Synthesis of imidazo[5,1-d]pyrrolo[1,2-b][1,2,5]benzothiadiazepine 9,9-dioxide. Journal of Heterocyclic Chemistry, 1994, 31, 1033-1036.	2.6	21
71	New indolylarylsulfones as highly potent and broad spectrum HIV-1 non-nucleoside reverse transcriptase inhibitors. European Journal of Medicinal Chemistry, 2014, 80, 101-111.	5.5	21
72	A Negative Allosteric Modulator of WNT Receptor Frizzled 4 Switches into an Allosteric Agonist. Biochemistry, 2018, 57, 839-851.	2.5	21

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73	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.	5.5	21
74	High Potency of Indolyl Aryl Sulfone Nonnucleoside Inhibitors towards Drug-Resistant Human Immunodeficiency Virus Type 1 Reverse Transcriptase Mutants Is Due to Selective Targeting of Different Mechanistic Forms of the Enzyme. Antimicrobial Agents and Chemotherapy, 2005, 49, 4546-4554.	3.2	19
75	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.	6.4	19
76	Computer-Aided Identification and Lead Optimization of Dual Murine Double Minute 2 and 4 Binders: Structureâ€“Activity Relationship Studies and Pharmacological Activity. Journal of Medicinal Chemistry, 2017, 60, 8115-8130.	6.4	19
77	Mitotic cell death induction by targeting the mitotic spindle with tubulin-inhibitory indole derivative molecules. Oncotarget, 2017, 8, 19738-19759.	1.8	19
78	Heterocycles with a Benzothiadiazeypine Moiety. I. Synthesis of Pyrrolo[1,2-b]-s-triazolo[3,4-d] [1,2,5]benzothiadiazepine 5,5-Dioxide. Synthetic Communications, 1992, 22, 1433-1439.	2.1	18
79	Î²-catenin knockdown promotes NHERF1-mediated survival of colorectal cancer cells: implications for a double-targeted therapy. Oncogene, 2018, 37, 3301-3316.	5.9	18
80	Research on nitrogen containing heterocyclic compounds. XVI. Synthesis of 1, 3, 4, 14bâ€“tetrahydroâ€2, 10â€dimethylâ€2H,10Hâ€pyrazino[2, 1â€d]pyrrolo[1, 2â€b][1, 2, 5]benzotriazepine (1:1) maleate (10â€methylâ€10â€azaaptazepine). Journal of Heterocyclic Chemistry, 1989, 26, 745-746.	1.4	17
81	Indolyl Aryl Sulfones (IASs): Development of Highly Potent NNRTIs Active Against wt-HIV-1 and Clinically Relevant Drug Resistant Mutants. Current Pharmaceutical Design, 2005, 11, 3779-3806.	1.9	17
82	Arylsulfone-based HIV-1 non-nucleoside reverse transcriptase inhibitors. Future Medicinal Chemistry, 2013, 5, 2141-2156.	2.3	17
83	Annurca apple (M. pumila Miller cv Annurca) extracts act against stress and ageing in S. cerevisiae yeast cells. BMC Complementary and Alternative Medicine, 2017, 17, 200.	3.7	17
84	Heterocycles With a Benzothiadiazepine Moiety. IV. Synthesis of Novel Tetracyclic Rings by Intramolecular Cyclization of 10-Bromoacetyl-10,11-dihydro-11-ethoxycarbonyl-pyrrolo[1,2-b] [1,2,5] Benzothiadiazepine 5,5-Dioxide and Its Derivatives. Synthetic Communications, 1994, 24, 2685-2695.	2.1	16
85	Computer-assisted design, synthesis and biological evaluation of novel pyrrolyl heteroaryl sulfones targeted at HIV-1 reverse transcriptase as non-nucleoside inhibitors. Bioorganic and Medicinal Chemistry, 2000, 8, 2305-2309.	3.0	16
86	Reductive Smiles Rearrangement of 1-[(5-Chloro-2-nitrophenyl)- sulfonyl]-1H-pyrrole-2-carbo-hydrazide to 1-Amino-6-chloro-2- (1H-pyrrol-2-yl)benzimidazole. Heterocycles, 2000, 53, 2163.	0.7	16
87	Non-nucleoside HIV-1 reverse transcriptase inhibitors di-halo-indolyl aryl sulfones achieve tight binding to drug-resistant mutants by targeting the enzymeâ€“substrate complex. Antiviral Research, 2009, 81, 47-55.	4.1	16
88	Nox2-mediated platelet activation by glycoprotein (GP) VI: Effect of rivaroxaban alone and in combination with aspirin. Biochemical Pharmacology, 2019, 163, 111-118.	4.4	16
89	Design, Synthesis and Discovery of N,Nâ€™â€Carbazoylâ€arylâ€urea Inhibitors of Zika NS5 Methyltransferase and Virus Replication. ChemMedChem, 2020, 15, 385-390.	3.2	16
90	A Screen for Kinetochore-Microtubule Interaction Inhibitors Identifies Novel Antitubulin Compounds. PLoS ONE, 2010, 5, e11603.	2.5	16

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91	Synthesis, cannabinoid receptor affinity, molecular modeling studies and in vivo pharmacological evaluation of new substituted 1-aryl-5-(1H-pyrrol-1-yl)-1H-pyrazole-3-carboxamides. 2. Effect of the 3-carboxamide substituent on the affinity and selectivity profile. Bioorganic and Medicinal Chemistry, 2009, 17, 5549-5564.	3.0	15
92	Study of the effects of a new pyrazolecarboxamide: Changes in mitochondria and induction of apoptosis. International Journal of Biochemistry and Cell Biology, 2009, 41, 1890-1898.	2.8	15
93	1-Aryl-5-(1H-pyrrol-1-yl)-1H-pyrazole-3-carboxamide: An effective scaffold for the design of either CB1 or CB2 receptor ligands. European Journal of Medicinal Chemistry, 2011, 46, 5641-5653.	5.5	15
94	Modulating undruggable targets to overcome cancer therapy resistance. Drug Resistance Updates, 2022, 60, 100788.	14.4	15
95	Research on nitrogen containing heterocyclic compounds. XVIII. Synthesis of 9Hâ€pyrrolo[2,1â€c]â€sâ€triazolo[4,3â€a][1,4]benzodiazepine, a novel tetracyclic ring of pharmaceutical interest. Journal of Heterocyclic Chemistry, 1992, 29, 1005-1007.	2.6	14
96	Indolylarylsulfones, a fascinating story of highly potent human immunodeficiency virus type 1 non-nucleoside reverse transcriptase inhibitors. Antiviral Chemistry and Chemotherapy, 2018, 26, 204020661775344.	0.6	14
97	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.	2.8	14
98	An High-Throughput In Vivo Screening System to Select H3K4-Specific Histone Demethylase Inhibitors. PLoS ONE, 2014, 9, e86002.	2.5	14
99	Emerging Therapeutic Agents for Colorectal Cancer. Molecules, 2021, 26, 7463.	3.8	14
100	Radiosynthesis and in vivo evaluation of [11C]-labelled pyrrole-2-carboxamide derivates as novel radioligands for PET imaging of monoamine oxidase A. Nuclear Medicine and Biology, 2010, 37, 459-467.	0.6	13
101	Drug Design and Synthesis of First in Class PDZ1 Targeting NHERF1 Inhibitors as Anticancer Agents. ACS Medicinal Chemistry Letters, 2019, 10, 499-503.	2.8	13
102	Researches on Antibacterial and Antifungal Agents, X. Synthesis and Antifungal Activities of 1-{p-Methyl-Î±-[4-(1H-pyrrol-1-yl)phenyl]benzyl}azoles and Some Related Products. Archiv Der Pharmazie, 1989, 322, 369-373.	4.1	12
103	Researches on Antibacterial and Antifungal Agents, XIV: Thiophene Analogues of Bifonazole. Archiv Der Pharmazie, 1992, 325, 199-204.	4.1	12
104	Research on nitrogen containing heterocyclic compounds.XIX: Synthesis of 8H-imidazo[2,1-c]-s-triazolo[4,3-a]-[1,4]benzodiazepine and its 1-derivatives. Journal of Heterocyclic Chemistry, 1993, 30, 529-532.	2.6	12
105	Discovery of pyrrole derivatives for the treatment of glioblastoma and chronic myeloid leukemia. European Journal of Medicinal Chemistry, 2021, 221, 113532.	5.5	12
106	Targeting PDZ domains as potential treatment for viral infections, neurodegeneration and cancer. Biology Direct, 2021, 16, 15.	4.6	12
107	Enantioselective HPLC combined with spectroscopic methods: A valid strategy to determine the absolute configuration of potential Î²-secretase inhibitors. Talanta, 2010, 82, 1306-1312.	5.5	11
108	Heterocyclic pharmacochemistry of new rhinovirus antiviral agents: A combined computational and experimental study. European Journal of Medicinal Chemistry, 2017, 140, 528-541.	5.5	11

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109	CXCR4 antagonism sensitizes cancer cells to novel indole-based MDM2/4 inhibitors in glioblastoma multiforme. European Journal of Pharmacology, 2021, 897, 173936.	3.5	11
110	Potential antitumor agents. III. Synthesis of pyrazolo[3,4â€e]pyrrolo[3,4â€g]indolizine and 1Hâ€pyrazolo[3,4â€e]indolizine derivatives. Journal of Heterocyclic Chemistry, 1989, 26, 503-507.	2.6	10
111	Synthesis of 9Hâ€pyrrolo[2,1â€b][1,3,6]benzothiadiazocinâ€10(11H)â€one 4,4â€dioxide, a potential antiâ€HIVâ€1 agent. Journal of Heterocyclic Chemistry, 1995, 32, 683-685.	2.6	10
112	Arylthioindoles: Promising compounds against cancer cell proliferation. Oncology Letters, 2010, 1, 109-112.	1.8	10
113	HDAC inhibition induces expression of scaffolding proteins critical for tumor progression in pediatric glioma: focus on EBP50 and IRSp53. Neuro-Oncology, 2020, 22, 550-562.	1.2	10
114	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.	5.5	10
115	Current state-of-the-art in preclinical and clinical development of novel non-nucleoside HIV-1 reverse transcriptase inhibitors. Expert Opinion on Therapeutic Patents, 2006, 16, 939-962.	5.0	9
116	RS-5645 attenuates inflammatory cytokine storm induced by SARS-CoV-2 spike protein and LPS by modulating pulmonary microbiota. International Journal of Biological Sciences, 2021, 17, 3305-3319.	6.4	9
117	A SIMPLIFIED SYNTHESIS OF ETHYL 5-CHLORO-4-FLUORO-1H-INDOLE-2-CARBOXYLATE AND ETHYL 5-CHLORO-6-FLUORO-1H-H-INDOLE-2-CARBOXYLATE. Organic Preparations and Procedures International, 2002, 34, 517-520.	1.3	8
118	Synthetic strategies of nonpeptidic Î²â€secretase (BACE1) inhibitors. Journal of Heterocyclic Chemistry, 2009, 46, 10-17.	2.6	8
119	A New, Simple, and High-Yielding Synthesis of 2,9-Dihydro-1H-pyrido[3,4-b]indol-1-ones. Synthesis, 2014, 46, 2093-2097.	2.3	8
120	3-Aroyl-1,4-diarylpyrroles Inhibit Chronic Myeloid Leukemia Cell Growth through an Interaction with Tubulin. ACS Medicinal Chemistry Letters, 2017, 8, 521-526.	2.8	8
121	Heterocyclic systems.VIISynthesis of 1H-pyrazolo[3,4-e]indolizine derivatives. Journal of Heterocyclic Chemistry, 1987, 24, 1199-1202.	2.6	7
122	Synthesis and biological evaluation of new N-alkyl 1-aryl-5-(1H-pyrrol-1-yl)-1H-pyrazole-3-carboxamides as cannabinoid receptor ligands. European Journal of Medicinal Chemistry, 2010, 45, 5878-5886.	5.5	7
123	Mechanism of Interaction of Novel Indolylarylsulfone Derivatives with K103N and Y181I Mutant HIV-1 Reverse Transcriptase in Complex with its Substrates. Antiviral Chemistry and Chemotherapy, 2011, 22, 107-118.	0.6	7
124	Drug-induced inhibition of tubulin polymerization induces mitochondrion-mediated apoptosis in yeast. Cell Cycle, 2011, 10, 3208-3209.	2.6	7
125	N-Pyrrylarylsulfones with High Therapeutic Potential. Molecules, 2017, 22, 434.	3.8	7
126	Targeting the Interaction between the SH3 Domain of Grb2 and Gab2. Cells, 2020, 9, 2435.	4.1	7

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127	Moieties and Related Azoles. Archiv Der Pharmazie, 1990, 323, 273-280.	4.1	6
128	PYRROLO[1,2-b][1,2,5]BENZOTHIADIAZEPINES (PBTDs) induce apoptosis in K562 cells. BMC Cancer, 2007, 7, 207.	2.6	6
129	AN IMPROVED SYNTHESIS OF ETHYL 5-CHLORO-4-FLUORO-1H-INDOLE-2-CARBOXYLATE. Organic Preparations and Procedures International, 2008, 40, 204-208.	1.3	6
130	Pyrrolo[1,2â€b][1,2,5]benzothiadiazepines (PBTDs) exert their antiâ€proliferative activity by interfering with Aktâ€“mTOR signaling and bax:bclâ€2 ratio modulation in cells from chronic myeloid leukemic patients. Cancer Science, 2010, 101, 991-1000.	3.9	6
131	Antiproliferative and proapoptotic effects of a pyrrole containing arylthioindole in human Jurkat leukemia cell line and multidrug-resistant Jurkat/A4 cells. Cancer Biology and Therapy, 2015, 16, 1820-1829.	3.4	6
132	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.	5.5	6
133	Mutational analysis of the essential lipopolysaccharide-transport protein LptH of Pseudomonas aeruginosa to uncover critical oligomerization sites. Scientific Reports, 2020, 10, 11276.	3.3	6
134	Indolyl aryl sulphones as HIV-1 reverse transcriptase inhibitors: docking and 3D QSAR studies. Expert Opinion on Drug Discovery, 2007, 2, 87-114.	5.0	5
135	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.	5.5	5
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