Dharmarajan Sriram

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2380258/publications.pdf

Version: 2024-02-01

189	4,954	94433	175258
papers	citations	37 h-index	52 g-index

189	189	189	5442
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Abacavir prodrugs: Microwave-assisted synthesis and their evaluation of anti-HIV activities. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2127-2129.	2.2	142
2	Synthesis and in vitro and in vivo antimycobacterial activity of isonicotinoyl hydrazones. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4502-4505.	2.2	129
3	Camptothecin and its analogues: a review on their chemotherapeutic potential. Natural Product Research, 2005, 19, 393-412.	1.8	125
4	Synthesis and antimycobacterial evaluation of various 7-substituted ciprofloxacin derivatives. Bioorganic and Medicinal Chemistry, 2005, 13, 5774-5778.	3.0	115
5	Gatifloxacin derivatives: Synthesis, antimycobacterial activities, and inhibition of Mycobacterium tuberculosis DNA gyrase. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2982-2985.	2.2	103
6	Discovery of New Antitubercular Oxazolyl Thiosemicarbazones. Journal of Medicinal Chemistry, 2006, 49, 3448-3450.	6.4	92
7	Synthesis, in vitro and in vivo antimycobacterial activities of diclofenac acid hydrazones and amides. Bioorganic and Medicinal Chemistry, 2006, 14, 3113-3118.	3.0	89
8	Synthesis and in vitro antitubercular activity of some 1-[(4-sub)phenyl]-3-(4-{1-[(pyridine-4-carbonyl)hydrazono]ethyl}phenyl)thiourea. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 876-878.	2.2	74
9	Synthesis and biological evaluation of new imidazo[2,1-b][1,3,4]thiadiazole-benzimidazole derivatives. European Journal of Medicinal Chemistry, 2015, 95, 49-63.	5.5	74
10	Antimycobacterial activity of novel 1-(5-cyclobutyl-1,3-oxazol-2-yl)-3-(sub)phenyl/pyridylthiourea compounds endowed with high activity toward multidrug-resistant Mycobacterium tuberculosis. Journal of Antimicrobial Chemotherapy, 2007, 59, 1194-1196.	3.0	62
11	Isonicotinic acid hydrazide derivatives: synthesis, antimicrobial activity, and QSAR studies. Medicinal Chemistry Research, 2012, 21, 1451-1470.	2.4	58
12	Synthesis, antimycobacterial, antiviral, antimicrobial activities, and QSAR studies of nicotinic acid benzylidene hydrazide derivatives. Medicinal Chemistry Research, 2012, 21, 1557-1576.	2.4	54
13	One-pot synthesis of new triazoleâ€"Imidazo[2,1-b][1,3,4]thiadiazole hybrids via click chemistry and evaluation of their antitubercular activity. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4169-4173.	2.2	54
14	Design, synthesis and biological evaluation of novel non-nucleoside HIV-1 reverse transcriptase inhibitors with broad-spectrum chemotherapeutic properties. Bioorganic and Medicinal Chemistry, 2004, 12, 5865-5873.	3.0	53
15	Synthesis of pyrazinamide Mannich bases and its antitubercular properties. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2113-2116.	2.2	52
16	Rational design and synthesis of novel dibenzo[b,d]furan-1,2,3-triazole conjugates as potent inhibitors of Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2014, 71, 160-167.	5.5	50
17	Usnic Acid Enaminone-Coupled 1,2,3-Triazoles as Antibacterial and Antitubercular Agents. Journal of Natural Products, 2020, 83, 26-35.	3.0	50
18	Synthesis, biological evaluation and structureâ€"activity relationship of 2-styrylquinazolones as anti-tubercular agents. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2663-2669.	2.2	49

#	Article	IF	Citations
19	Design, synthesis and biological evaluation of imidazo[2,1-b]thiazole and benzo[d]imidazo[2,1-b]thiazole derivatives as Mycobacterium tuberculosis pantothenate synthetase inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 1298-1307.	3.0	49
20	Design, synthesis, biological evaluation of substituted benzofurans as DNA gyraseB inhibitors of Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry, 2014, 22, 4924-4934.	3.0	47
21	Progress in the research of artemisinin and its analogues as antimalarials: an update. Natural Product Research, 2004, 18, 503-527.	1.8	46
22	Design and synthesis of novel quinolineâ€“aminopiperidine hybrid analogues as Mycobacterium tuberculosis DNA gyraseB inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 2062-2078.	3.0	45
23	Inhibitors of the Cysteine Synthase CysM with Antibacterial Potency against Dormant Mycobacterium tuberculosis. Journal of Medicinal Chemistry, 2016, 59, 6848-6859.	6.4	45
24	Rational design, synthesis and antitubercular evaluation of novel 2-(trifluoromethyl)phenothiazine-[1,2,3]triazole hybrids. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 233-236.	2.2	44
25	Synthesis, in vitro anticancer and antimycobacterial evaluation of new 5-(2,5-dimethoxyphenyl)-1,3,4-thiadiazole-2-amino derivatives. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1398-1402.	2.2	44
26	Synthesis, Antiviral and Antibacterial Activities of Isatin Mannich Bases. Medicinal Chemistry Research, 2005, 14, 211-228.	2.4	43
27	New indoleâ€“isoxazolone derivatives: Synthesis, characterisation and in vitro SIRT1 inhibition studies. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 2768-2772.	2.2	43
28	A small molecule inhibitor of dengue virus type 2 protease inhibits the replication of all four dengue virus serotypes in cell culture. Virology Journal, 2015, 12, 16.	3.4	42
29	Ultrasonication-ionic liquid synergy for the synthesis of new potent anti-tuberculosis 1,2,4-triazol-1-yl-pyrazole based spirooxindolopyrrolizidines. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1682-1687.	2.2	42
30	5-Nitro-2-furoic acid hydrazones: Design, synthesis and in vitro antimycobacterial evaluation against log and starved phase cultures. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4313-4316.	2.2	41
31	Synthesis, antitubercular evaluation and molecular docking studies of phthalimide bearing 1,2,3-triazoles. Synthetic Communications, 2019, 49, 2017-2028.	2.1	41
32	Synthesis and biological evaluation of 1H-pyrrolo[2,3-d]pyrimidine-1,2,3-triazole derivatives as novel anti-tubercular agents. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 284-290.	2.2	41
33	5-Nitrofuran-2-yl derivatives: Synthesis and inhibitory activities against growing and dormant mycobacterium species. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1152-1154.	2.2	40
34	Synthesis, antimycobacterial, antiviral, antimicrobial activities, and QSAR studies of isonicotinic acid-1-(substituted phenyl)-ethylidene/cycloheptylidene hydrazides. Medicinal Chemistry Research, 2012, 21, 1935-1952.	2.4	40
35	Discovery of novel inhibitors of Mycobacterium tuberculosis MurC: homology modelling, structure based pharmacophore, molecular docking, and molecular dynamics simulations. Journal of Biomolecular Structure and Dynamics, 2018, 36, 3184-3198.	3.5	40
36	Multiple eâ€Pharmacophore Modeling Combined with Highâ€Throughput Virtual Screening and Docking to Identify Potential Inhibitors of Î²â€Secretase(BACE1). Molecular Informatics, 2013, 32, 385-398.	2.5	39

#	Article	IF	Citations
37	Design and synthesis of novel carbazole tethered pyrrole derivatives as potent inhibitors of Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 485-491.	2.2	39
38	An efficient synthesis and biological screening of benzofuran and benzo[d]isothiazole derivatives for Mycobacterium tuberculosis DNA GyrB inhibition. Bioorganic and Medicinal Chemistry, 2014, 22, 6552-6563.	3.0	38
39	Design, synthesis and in vitro anti-tuberculosis activity of benzo[6,7]cyclohepta[1,2- b]pyridine-1,2,3-triazole derivatives. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 5119-5121.	2.2	38
40	Discovery and evaluation of novel Mycobacterium tuberculosis ketol-acid reductoisomerase inhibitors as therapeutic drug leads. Journal of Computer-Aided Molecular Design, 2019, 33, 357-366.	2.9	38
41	Novel pyrazine based anti-tubercular agents: Design, synthesis, biological evaluation and in silico studies. Bioorganic Chemistry, 2020, 96, 103610.	4.1	38
42	Antituberculous activity of some aryl semicarbazone derivatives. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3923-3924.	2.2	37
43	Antimycobacterial Activities of Novel 1-(Cyclopropyl/tert-butyl/4-fluorophenyl)-1,4-dihydro-6-nitro-4-oxo-7-(substituted secondary amino)-1,8-naphthyridine-3-carboxylic Acid. Journal of Medicinal Chemistry, 2007, 50, 6232-6239.	6.4	37
44	Newer tetracycline derivatives: Synthesis, anti-HIV, antimycobacterial activities and inhibition of HIV-1 integrase. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2372-2375.	2.2	37
45	Identification of novel inhibitors against Mycobacterium tuberculosis l-alanine dehydrogenase (MTB-AlaDH) through structure-based virtual screening. Journal of Molecular Graphics and Modelling, 2014, 47, 37-43.	2.4	36
46	Pyrazoleâ€“coumarin and pyrazoleâ€“quinoline chalcones as potential antitubercular agents. Archiv Der Pharmazie, 2020, 353, e2000077.	4.1	36
47	Design of novel dispirooxindolopyrrolidine and dispirooxindolopyrrolothiazole derivatives as potential antitubercular agents. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4308-4313.	2.2	35
48	Depletion of M. tuberculosis GlmU from Infected Murine Lungs Effects the Clearance of the Pathogen. PLoS Pathogens, 2015, 11, e1005235.	4.7	35
49	Efavirenz Mannich bases: Synthesis, anti-HIV and antitubercular activities. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1-5.	5.2	34
50	Click-based synthesis and antitubercular evaluation of novel dibenzo[b , d]thiophene-1,2,3-triazoles with piperidine, piperazine, morpholine and thiomorpholine appendages. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2649-2654.	2.2	34
51	Synthesis of novel dispiropyrrolothiazoles by three-component 1,3-dipolar cycloaddition and evaluation of their antimycobacterial activity. RSC Advances, 2014, 4, 59462-59471.	3.6	33
52	Synthesis of stavudine amino acid ester prodrugs with broad-spectrum chemotherapeutic properties for the effective treatment of HIV/AIDS. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1085-1087.	2.2	32
53	Synthesis, molecular properties prediction and anticancer, antioxidant evaluation of new edaravone derivatives. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2562-2568.	2.2	32
54	Aminopyrimidinimino isatin analogues: design of novel non- nucleoside HIV-1 reverse transcriptase inhibitors with broad-spectrum chemotherapeutic properties. Journal of Pharmacy and Pharmaceutical Sciences, 2005, 8, 565-77.	2.1	32

#	Article	IF	Citations
55	Development of novel tetrahydrothieno[2,3-c]pyridine-3-carboxamide based Mycobacterium tuberculosis pantothenate synthetase inhibitors: Molecular hybridization from known antimycobacterial leads. Bioorganic and Medicinal Chemistry, 2014, 22, 1938-1947.	3.0	31
56	Design and development of novel Mycobacterium tuberculosis l-alanine dehydrogenase inhibitors. European Journal of Medicinal Chemistry, 2015, 92, 401-414.	5.5	31
57	Novel isoniazid embedded triazole derivatives: Synthesis, antitubercular and antimicrobial activity evaluation. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127434.	2.2	31
58	Novel amide and sulphonamide derivatives of 6-(piperazin-1-yl)phenanthridine as potent Mycobacterium tuberculosis H37Rv inhibitors. European Journal of Medicinal Chemistry, 2015, 92, 415-426.	5.5	30
59	A robust synthesis of functionalized 2 H -indazoles via solid state melt reaction (SSMR) and their anti-tubercular activity. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1593-1597.	2.2	30
60	Synthesis and biological evaluation of 2,4,5-trisubstituted thiazoles as antituberculosis agents effective against drug-resistant tuberculosis. European Journal of Medicinal Chemistry, 2019, 178, 315-328.	5.5	30
61	Development of novel N-linked aminopiperidine-based mycobacterial DNA gyrase B inhibitors: Scaffold hopping from known antibacterial leads. International Journal of Antimicrobial Agents, 2014, 43, 269-278.	2.5	29
62	Design, synthesis and antimycobacterial activity of various 3-(4-(substitutedsulfonyl)piperazin-1-yl)benzo[d]isoxazole derivatives. European Journal of Medicinal Chemistry, 2014, 87, 71-78.	5.5	29
63	Rational design, synthesis and evaluation of novel-substituted 1,2,3-triazolylmethyl carbazoles as potent inhibitors of Mycobacterium tuberculosis. Medicinal Chemistry Research, 2015, 24, 1298-1309.	2.4	29
64	Synthesis, characterization and biological evaluation of bile acid-aromatic/heteroaromatic amides linked via amino acids as anti-cancer agents. Steroids, 2016, 107, 87-97.	1.8	29
65	Layer-by-Layer Thin Films for Co-Delivery of TGF-Î² siRNA and Epidermal Growth Factor to Improve Excisional Wound Healing. AAPS PharmSciTech, 2017, 18, 809-820.	3.3	29
66	Synthesis and evaluation of anti-tubercular activity of 6-(4-substitutedpiperazin-1-yl) phenanthridine analogues. European Journal of Medicinal Chemistry, 2014, 74, 333-339.	5.5	28
67	Identification and development of 2-methylimidazo[1,2-a]pyridine-3-carboxamides as Mycobacterium tuberculosis pantothenate synthetase inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 4223-4232.	3.0	28
68	Pyridoxal-phosphate dependent mycobacterial cysteine synthases: Structure, mechanism and potential as drug targets. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1175-1183.	2.3	28
69	Engineering another class of anti-tubercular lead: Hit to lead optimization of an intriguing class of gyrase ATPase inhibitors. European Journal of Medicinal Chemistry, 2016, 122, 216-231.	5.5	28
70	Novel Zebrafish EAE model: A quick in vivo screen for multiple sclerosis. Multiple Sclerosis and Related Disorders, 2017, 11, 32-39.	2.0	28
71	Discovery of novel antitubercular 2,10-dihydro-4aH-chromeno[3,2-c]pyridin-3-yl derivatives. European Journal of Medicinal Chemistry, 2010, 45, 120-123.	5.5	27
72	Design, synthesis and evaluation of 1,2,3-triazole-adamantylacetamide hybrids as potent inhibitors of Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1974-1979.	2.2	27

#	Article	IF	Citations
73	Design and synthesis of thiourea-based derivatives as Mycobacterium tuberculosis growth and enoyl acyl carrier protein reductase (InhA) inhibitors. European Journal of Medicinal Chemistry, 2020, 199, 112402.	5.5	27
74	Towards the Design and Development of Agents with Broad Spectrum Chemotherapeutic Properties for the Effective Treatment of HIV / AIDS. Current Medicinal Chemistry, 2003, 10, 1689-1695.	2.4	26
75	Identification and development of benzoxazole derivatives as novel bacterial glutamate racemase inhibitors. European Journal of Medicinal Chemistry, 2018, 145, 23-34.	5.5	26
76	Novel 1,3,4-oxadiazoles as antitubercular agents with limited activity against drug-resistant tuberculosis. Future Medicinal Chemistry, 2019, 11, 499-510.	2.3	26
77	Discovery of hydrazone containing thiadiazoles as Mycobacterium tuberculosis growth and enoyl acyl carrier protein reductase (InhA) inhibitors. European Journal of Medicinal Chemistry, 2020, 188, 112035.	5.5	26
78	Synthesis of various 3-nitropropionamides as Mycobacterium tuberculosis isocitrate lyase inhibitor. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5149-5154.	2.2	25
79	Benzothiazinone-piperazine derivatives as efficient Mycobacterium tuberculosis DNA gyrase inhibitors. International Journal of Mycobacteriology, 2015, 4, 104-115.	0.6	25
80	A convenient synthesis and screening of benzosuberone bearing 1,2,3-triazoles against Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4292-4295.	2.2	25
81	Mycobacterium tuberculosis lysine-É›-aminotransferase a potential target in dormancy: Benzothiazole based inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 2761-2771.	3.0	25
82	Synthesis, molecular docking, antimycobacterial and antimicrobial evaluation of new pyrrolo[3,2- c]pyridine Mannich bases. European Journal of Medicinal Chemistry, 2017, 131, 275-288.	5.5	25
83	Amsacrine Derivatives Selectively Inhibit Mycobacterial Topoisomerase I (TopA), Impair M. smegmatis Growth and Disturb Chromosome Replication. Frontiers in Microbiology, 2018, 9, 1592.	3.5	24
84	Design and synthesis of new indanol-1,2,3-triazole derivatives as potent antitubercular and antimicrobial agents. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127579.	2.2	24
85	Anti-tubercular activity of novel class of spiropyrrolidine tethered indenoquinoxaline heterocyclic hybrids. Bioorganic Chemistry, 2020, 99, 103799.	4.1	24
86	N-Hydroxythiosemicarbazones: Synthesis and in vitro antitubercular activity. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1888-1891.	2.2	23
87	Synthesis and antimycobacterial activities of some new thiazolylhydrazone derivatives. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1695-1697.	2.2	23
88	2-Butyl-4-chloroimidazole based substituted piperazine-thiosemicarbazone hybrids as potent inhibitors of Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5520-5524.	2.2	23
89	Synthesis of novel morpholine, thiomorpholine and N-substituted piperazine coupled 2-(thiophen-2-yl)dihydroquinolines as potent inhibitors of Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2019, 164, 171-178.	5.5	23
90	Synthesis and evaluation of novel substituted 1,2,3-triazolyldihydroquinolines as promising antitubercular agents. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 529-533.	2.2	23

#	Article	IF	Citations
91	Design and synthesis of purine connected piperazine derivatives as novel inhibitors of Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127512.	2.2	23
92	Optimization and validation of Mycobacterium marinum-induced adult zebrafish model for evaluation of oral anti-tuberculosis drugs. International Journal of Mycobacteriology, 2014, 3, 259-267.	0.6	22
93	Synthesis and antitubercular evaluation of novel dibenzo[b , d]thiophene tethered imidazo[1,2- a]pyridine-3-carboxamides. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3135-3140.	2.2	22
94	Synthesis of new pyrazole-triazole hybrids by click reaction using a green solvent and evaluation of their antitubercular and antibacterial activity. Research on Chemical Intermediates, 2016, 42, 3721-3741.	2.7	22
95	1,3-Disubstituted urea derivatives: Synthesis, antimicrobial activity evaluation and in silico studies. Bioorganic Chemistry, 2020, 102, 104104.	4.1	22
96	Regio- and diastereoselective synthesis of spiropyrroloquinoxaline grafted indole heterocyclic hybrids and evaluation of their anti-Mycobacterium tuberculosis activity. RSC Advances, 2020, 10, 23522-23531.	3.6	21
97	Antimycobacterial activity of novel N-(substituted)-2-isonicotinoylhydrazinocarbothioamide endowed with high activity towards isoniazid resistant tuberculosis. Biomedicine and Pharmacotherapy, 2009, 63, 36-39.	5.6	20
98	Structure-based drug design of small molecule SIRT1 modulators to treat cancer and metabolic disorders. Journal of Molecular Graphics and Modelling, 2014, 52, 46-56.	2.4	20
99	Development of 2-amino-5-phenylthiophene-3-carboxamide derivatives as novel inhibitors of Mycobacterium tuberculosis DNA GyrB domain. Bioorganic and Medicinal Chemistry, 2015, 23, 1402-1412.	3.0	20
100	Exploring the gyrase ATPase domain for tailoring newer anti-tubercular drugs: Hit to lead optimization of a novel class of thiazole inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 588-601.	3.0	20
101	Synthesis, molecular docking and anti-mycobacterial evaluation of new imidazo[1,2-a]pyridine-2-carboxamide derivatives. European Journal of Medicinal Chemistry, 2015, 89, 616-627.	5.5	20
102	Energy-Based Pharmacophore and Three-Dimensional Quantitative Structureâ€“Activity Relationship (3D-QSAR) Modeling Combined with Virtual Screening To Identify Novel Small-Molecule Inhibitors of Silent Mating-Type Information Regulation 2 Homologue 1 (SIRT1). Journal of Chemical Information and Modeling, 2016, 56, 173-187.	5.4	20
103	Ionic liquid-promoted one-pot synthesis of thiazoleâ€“imidazo[2,1-b][1,3,4]thiadiazole hybrids and their antitubercular activity. MedChemComm, 2016, 7, 338-344.	3.4	20
104	Dibenzofuran, dibenzothiophene and N-methyl carbazole tethered 2-aminothiazoles and their cinnamamides as potent inhibitors of Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1610-1614.	2.2	20
105	Synthesis and evaluation of Î±-aminoacyl amides as antitubercular agents effective on drug resistant tuberculosis. European Journal of Medicinal Chemistry, 2019, 164, 665-677.	5.5	20
106	Stereoselective synthesis and discovery of novel spirooxindolopyrrolidine engrafted indandione heterocyclic hybrids as antimycobacterial agents. Bioorganic Chemistry, 2021, 110, 104798.	4.1	20
107	Development of acridine derivatives as selective Mycobacterium tuberculosis DNA gyrase inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 877-885.	3.0	19
108	Clickable conjugates of bile acids and nucleosides: Synthesis, characterization, in vitro anticancer and antituberculosis studies. Steroids, 2018, 139, 35-44.	1.8	19

#	Article	IF	Citations
109	Design, synthesis and molecular modeling studies on novel moxifloxacin derivatives as potential antibacterial and antituberculosis agents. Bioorganic Chemistry, 2019, 88, 102965.	4.1	19
110	Three-component, one-pot synthesis of anthranilamide Schiff bases bearing 4-aminoquinoline moiety as Mycobacterium tuberculosis gyrase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1859-1866.	2.2	18
111	Structure-guided design and development of novel benzimidazole class of compounds targeting DNA gyraseB enzyme of Staphylococcus aureus. Bioorganic and Medicinal Chemistry, 2014, 22, 5970-5987.	3.0	17
112	Design, synthesis and anti-mycobacterial activity of 1,2,3,5-tetrasubstituted pyrrolyl-N-acetic acid derivatives. European Journal of Medicinal Chemistry, 2014, 84, 118-126.	5.5	17
113	The design and green synthesis of novel benzotriazoloquinolinyl spirooxindolopyrrolizidines: antimycobacterial and antiproliferative studies. New Journal of Chemistry, 2019, 43, 17511-17520.	2.8	17
114	Synthesis, bioevaluation and molecular docking study of new piperazine and amide linked dimeric 1,2,3-triazoles. Synthetic Communications, 2020, 50, 271-288.	2.1	17
115	Structure-based virtual screening as a tool for the identification of novel inhibitors against Mycobacterium tuberculosis 3-dehydroquinate dehydratase. Journal of Molecular Graphics and Modelling, 2015, 60, 124-131.	2.4	16
116	Sacubitrilâ€Based Urea and Thiourea Derivatives as Novel Inhibitors for Antiâ€Tubercular against Dormant Tuberculosis. ChemistrySelect, 2021, 6, 3869-3874.	1.5	16
117	Discovery of Novel Mycobacterial DNA Gyrase B Inhibitors: In Silico and In Vitro Biological Evaluation. Molecular Informatics, 2014, 33, 597-609.	2.5	15
118	Design and Biological Evaluation of Furan/Pyrrole/Thiopheneâ€2â€carboxamide Derivatives as Efficient <scp>DNA</scp> GyraseB Inhibitors of Staphylococcus aureus. Chemical Biology and Drug Design, 2015, 86, 918-925.	3.2	15
119	Inhibition of tyrosinase by 4 H â€chromene analogs: Synthesis, kinetic studies, and computational analysis. Chemical Biology and Drug Design, 2017, 90, 804-810.	3.2	15
120	Synthesis and anti-mycobacterial activity of 4-(4-phenyl-1H-1,2,3-triazol-1-yl)salicylhydrazones: revitalizing an old drug. Archives of Pharmacal Research, 2017, 40, 168-179.	6.3	15
121	Design and Synthesis of New Aryloxyâ€linked Dimeric 1,2,3â€Triazoles via Click Chemistry Approach: Biological Evaluation and Molecular Docking Study. Journal of Heterocyclic Chemistry, 2019, 56, 2144-2162.	2.6	15
122	5-Nitro-2,6-dioxohexahydro-4-pyrimidinecarboxamides: synthesis, in vitro antimycobacterial activity, cytotoxicity, and isocitrate lyase inhibition studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 765-772.	5.2	14
123	Discovery of novel lysine É›-aminotransferase inhibitors: An intriguing potential target for latent tuberculosis. Tuberculosis, 2015, 95, 786-794.	1.9	14
124	Polymerâ€“gold nanoparticle composite films for topical application: Evaluation of physical properties and antibacterial activity. Polymer Composites, 2017, 38, 2829-2840.	4.6	14
125	Structure-based design of some isonicotinic acid hydrazide analogues as potential antitubercular agents. Bioorganic Chemistry, 2018, 80, 721-732.	4.1	14
126	Synthesis of isoniazidâ€1,2,3â€triazole conjugates: Antitubercular, antimicrobial evaluation and molecular docking study. Journal of Heterocyclic Chemistry, 2020, 57, 3544-3557.	2.6	14

#	Article	IF	Citations
127	Identification of potential Mycobacterium tuberculosis topoisomerase I inhibitors: A study against active, dormant and resistant tuberculosis. European Journal of Pharmaceutical Sciences, 2015, 72, 81-92.	4.0	13
128	Targeting <scp>NAMPT</scp> for Therapeutic Intervention in Cancer and Inflammation: Structureâ€Based Drug Design and Biological Screening. Chemical Biology and Drug Design, 2015, 86, 881-894.	3.2	13
129	Antinociceptive properties of the aqueous and methanol extracts of the stem bark of Petersianthus macrocarpus (P. Beauv.) Liben (Lecythidaceae) in mice. Journal of Ethnopharmacology, 2015, 174, 66-73.	4.1	13
130	Synthesis of novel 5-[(1,2,3-triazol-4-yl)methyl]-1-methyl-3H-pyridazino[4,5-b]indol-4-one derivatives by click reaction and exploration of their anticancer activity. Medicinal Chemistry Research, 2016, 25, 135-148.	2.4	13
131	Profiling of in vitro activities of urea-based inhibitors against cysteine synthases from Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4582-4587.	2.2	13
132	Expansion of a novel lead targeting M. tuberculosis DHFR as antitubercular agents. Bioorganic and Medicinal Chemistry, 2019, 27, 1421-1429.	3.0	13
133	Indole-fused spirochromenes as potential anti-tubercular agents: design, synthesis and in vitro evaluation. Molecular Diversity, 2021, 25, 2137-2148.	3.9	13
134	Evaluation of antimycobacterial and DNA gyrase inhibition of fluoroquinolone derivatives. Journal of General and Applied Microbiology, 2006, 52, 195-200.	0.7	12
135	Design and development of new class of Mycobacterium tuberculosis l-alanine dehydrogenase inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 4499-4508.	3.0	12
136	Click-based synthesis and antitubercular evaluation of dibenzofuran tethered thiazolyl-1,2,3-triazolyl acetamides. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3684-3689.	2.2	12
137	A Facile Synthesis and Antituberculosis Properties of Almazole D and Its Enantiomer. ChemistrySelect, 2017, 2, 1250-1252.	1.5	12
138	In silico design of small peptides antagonist against leptin receptor for the treatment of obesity and its associated immune-mediated diseases. Journal of Molecular Graphics and Modelling, 2018, 82, 20-36.	2.4	12
139	Synthesis and evaluation of 4â€²,5â€²-dihydrospiro[piperidine-4,7â€²-thieno[2,3-c]pyran] analogues against both active and dormant Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry, 2018, 26, 1462-1469.	3.0	12
140	Design and development of ((4-methoxyphenyl)carbamoyl) (5-(5-nitrothiophen-2-yl)-1,3,4-thiadiazol-2-yl)amide analogues as Mycobacterium tuberculosis ketol-acid reductoisomerase inhibitors. European Journal of Medicinal Chemistry, 2020, 193, 112178.	5.5	12
141	Synthesis, in vitro, and in vivo (Zebra fish) antitubercular activity of 7,8-dihydroquinolin-5(6H)-ylidenehydrazinecarbothioamides. Bioorganic Chemistry, 2020, 96, 103626.	4.1	12
142	Synthesis and biological evaluation of isatin oxime ether-tethered aryl 1H-1,2,3-triazoles as inhibitors ofMycobacterium tuberculosis. New Journal of Chemistry, 2022, 46, 2863-2874.	2.8	12
143	Design, synthesis and antimycobacterial evaluation of 1-(4-(2-substitutedthiazol-4-yl)phenethyl)-4-(3-(4-substitutedpiperazin-1-yl)alkyl)piperazine hybrid analogues. European Journal of Medicinal Chemistry, 2014, 84, 605-613.	5.5	11
144	Synthesis and antimicrobial evaluation of new nitric oxideâ€donating fluoroquinolone/oxime hybrids. Archiv Der Pharmazie, 2021, 354, e2000180.	4.1	11

#	Article	IF	Citations
145	Synthesis, crystal structure and antimycobacterial activities of 4-indolyl-1,4-dihydropyridine derivatives possessing various ester groups. Research on Chemical Intermediates, 2017, 43, 7471-7489.	2.7	10
146	Lead identification and optimization of bacterial glutamate racemase inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 177-190.	3.0	10
147	Development of antimycobacterial tetrahydrothieno[2,3-c]pyridine-3-carboxamides and hexahydrocycloocta[b]thiophene-3-carboxamides: Molecular modification from known antimycobacterial lead. European Journal of Medicinal Chemistry, 2014, 76, 110-117.	5.5	9
148	Extending the N-linked aminopiperidine class to the mycobacterial gyrase domain: Pharmacophore mapping from known antibacterial leads. European Journal of Medicinal Chemistry, 2014, 85, 593-604.	5.5	9
149	Development of benzo[d]oxazol-2(3H)-ones derivatives as novel inhibitors of Mycobacterium tuberculosis InhA. Bioorganic and Medicinal Chemistry, 2014, 22, 6134-6145.	3.0	9
150	Anti-tubercular activities of 5,6,7,8-tetrahydrobenzo[4,5]thieno[2,3- d]pyrimidin-4-amine analogues endowed with high activity toward non-replicative Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry, 2016, 24, 5556-5564.	3.0	9
151	5-Chloro-2-thiophenyl-1,2,3-triazolylmethyldihydroquinolines as dual inhibitors of Mycobacterium tuberculosis and influenza virus: Synthesis and evaluation. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2664-2669.	2.2	9
152	New fluoroquinolones/nitric oxide donor hybrids: design, synthesis and antitubercular activity. Medicinal Chemistry Research, 2019, 28, 1272-1283.	2.4	9
153	Aminopyrimidinimino Isatin Analogues: Design and Synthesis of Novel Non- Nucleoside HIV-1 Reverse Transcriptase Inhibitors with Broad- Spectrum Anti-Microbial Properties. Medicinal Chemistry, 2005, 1, 277-285.	1.5	9
154	Novel fluoroquinolones containing 2â€arylaminoâ€2â€oxoethyl fragment: Design, synthesis, evaluation of antibacterial and antituberculosis activities and molecular modeling studies. Journal of Heterocyclic Chemistry, 2022, 59, 909-926.	2.6	9
155	Aromatic amino analogues of artemisinin: synthesis and in vivo antimalarial activity. Medicinal Chemistry Research, 2010, 19, 524-532.	2.4	8
156	Discovery of tetrahydropyrido[4,3-d]pyrimidine derivatives for the treatment of neuropathic pain. Bioorganic Chemistry, 2014, 52, 69-76.	4.1	8
157	Design and Development of Mycobacterium tuberculosis Lysine É›â€Aminotransferase Inhibitors for Latent Tuberculosis Infection. Chemical Biology and Drug Design, 2016, 87, 265-274.	3.2	8
158	Replacement of cardiotoxic aminopiperidine linker with piperazine moiety reduces cardiotoxicity? Mycobacterium tuberculosis novel bacterial topoisomerase inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 42-52.	3.0	8
159	Design, synthesis, and in vitro antituberculosis activity of benzo[6,7]cyclohepta[1,2â€b]pyridineâ€1,3,4â€oxadiazole derivatives. Chemical Biology and Drug Design, 2017, 90, 496-500.	3.2	8
160	Correlation of pharmacokinetics and brain penetration data of adult zebrafish with higher mammals including humans. Journal of Pharmacological and Toxicological Methods, 2017, 88, 147-152.	0.7	8
161	Rational design of coumarin derivatives as antituberculosis agents. Future Medicinal Chemistry, 2018, 10, 2431-2444.	2.3	8
162	Synthesis of novel 4,5â€dihydropyrrolo[1,2â€•a]quinoxalines, pyrrolo[1,2â€•a]quinoxalin]â€2â€ones and their antituberculosis and anticancer activity. Archiv Der Pharmazie, 2020, 353, 2000192.	4.1	8

#	Article	IF	Citations
163	Efavirenz Mannich bases: synthesis, anti-HIV and antitubercular activities. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1-5.	5.2	8
164	Synthesis, anti-HIV and antitubercular activities of nelfinavir diester derivatives. Biomedicine and Pharmacotherapy, 2008, 62, 1-5.	5.6	7
165	Salicylanilide Diethyl Phosphates as Potential Inhibitors of Some Mycobacterial Enzymes. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	7
166	Anti-mycobacterial, cytotoxic activities of Knoevenagel and (E)-Î±,Î²-unsaturated esters and ketones from 2-chloronicotinaldehydes. Medicinal Chemistry Research, 2014, 23, 199-206.	2.4	7
167	Bis-spirochromanones as potent inhibitors of Mycobacterium tuberculosis: synthesis and biological evaluation. Molecular Diversity, 2017, 21, 999-1010.	3.9	7
168	Synthesis and efficacy of pyrvinium-inspired analogs against tuberculosis and malaria pathogens. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127037.	2.2	7
169	Indoleâ€2â€carboxamides as New Antiâ€Mycobacterial Agents: Design, Synthesis, Biological Evaluation and Molecular Modeling against mmpL3. ChemistrySelect, 2022, 7, .	1.5	7
170	Nevirapine derivatives with broad-spectrum chemotherapeutic properties for the effective treatment of HIV/AIDS. Biomedicine and Pharmacotherapy, 2005, 59, 456-459.	5.6	6
171	Design and characterisation of piperazine-benzofuran integrated dinitrobenzenesulfonamide as Mycobacterium tuberculosis H37Rv strain inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1751-1759.	5.2	6
172	e-Pharmacophore model-guided design of potential DprE1 inhibitors: synthesis, in vitro antitubercular assay and molecular modelling studies. Chemical Papers, 2021, 75, 5571-5585.	2.2	6
173	A Novel, Potent, Small Molecule AKT Inhibitor Exhibits Efficacy against Lung Cancer Cells In Vitro. Cancer Research and Treatment, 2015, 47, 913-920.	3.0	6
174	Design, Synthesis, and in vitro antitubercular activity of 1,2,3â€triazolylâ€dihydroquinoline derivatives. Chemical Biology and Drug Design, 2018, 92, 1315-1323.	3.2	5
175	Synthesis and bioevaluation of Î±,Î±â€™-bis(1H-1,2,3-triazol-5-ylmethylene) ketones. Chemical Papers, 2020, 74, 809-820.	2.2	5
176	Design, synthesis and biological evaluation of novel Pseudomonas aeruginosa DNA gyrase B inhibitors. Bioorganic Chemistry, 2020, 100, 103905.	4.1	5
177	Some New Hydrazone Derivatives Bearing the 1,2,4-Triazole Moiety as Potential Antimycobacterial Agents. Turkish Journal of Pharmaceutical Sciences, 2019, 16, 432-436.	1.4	5
178	Targeting HIVâ€TB coinfection by developing novel piperidinâ€4â€substituted imines: Design, synthesis, in vitro and in silico studies. Archiv Der Pharmazie, 2019, 352, 1800358.	4.1	4
179	3â€Arylâ€substituted imidazo[1,2â€a]pyridines as antituberculosis agents. Archiv Der Pharmazie, 2021, 354, e2000419.	4.1	4
180	Microwave-assisted synthesis and anti-YFV activity of 2,3-diaryl-1,3-thiazolidin-4-ones. Journal of Pharmacy and Pharmaceutical Sciences, 2005, 8, 426-9.	2.1	4

#	Article	IF	Citations
181	Identification and development of novel indazole derivatives as potent bacterial peptidoglycan synthesis inhibitors. International Journal of Mycobacteriology, 2018, 7, 76.	0.6	3
182	Aryl-n-hexanamide linked enaminones of usnic acid as promising antimicrobial agents. Molecular Diversity, 2023, 27, 811-836.	3.9	3
183	Design and development of novel inhibitors for the treatment of latent tuberculosis. International Journal of Mycobacteriology, 2016, 5, S121-S122.	0.6	2
184	Synthesis of Disulfideâ€Bridged N â€Phenylâ€•N â€²â€(alkyl/aryl/heteroaryl)urea Derivatives and Evaluation of Their Antimicrobial Activities. Chemistry and Biodiversity, 2019, 16, e1900461.	2.1	2
185	Antihypernociceptive effects of Petersianthus macrocarpus stem bark on neuropathic pain induced by chronic constriction injury in rats. Inflammopharmacology, 2021, 29, 1241-1253.	3.9	2
186	Heteroaryl-substuted semicarbazones: Synthesis and anticonvulsant activity ofN-(3-methylpyridin-2-yl)-substituted semicarbazones. Journal of Heterocyclic Chemistry, 2006, 43, 1287-1293.	2.6	1
187	Structural Models for the Design of PKMzeta Inhibitors with Neurobiological Indications. Molecular Informatics, 2015, 34, 665-678.	2.5	1
188	Synthesis of novel 5-chloro-2-(thiophen-2-yl)-7,8-dihydroquinoline-6-carboxamides as potent inhibitors of Mycobacterium tuberculosis. Monatshefte FÃ¼r Chemie, 2020, 151, 405-415.	1.8	1
189	Lead derivatization of ethyl 6-bromo-2-((dimethylamino)methyl)-5-hydroxy-1-phenyl-1H-indole-3-carboxylate and 5-bromo-2-(thiophene-2-carboxamido) benzoic acid as FabG inhibitors targeting ESKAPE pathogens. European Journal of Medicinal Chemistry, 2021, , 113976.	5.5	1