Marco Pieroni

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2007517/publications.pdf

Version: 2024-02-01

58 papers	2,036 citations	279487 23 h-index	253896 43 g-index
60 all docs	60 docs citations	60 times ranked	2716 citing authors

#	Article	IF	Citations
1	Crystal structure ofAspergillus fumigatus<scp>AroH</scp>, an aromatic amino acid aminotransferase. Proteins: Structure, Function and Bioinformatics, 2022, 90, 435-442.	1.5	2
2	Inhibitors of O-Acetylserine Sulfhydrylase with a Cyclopropane-Carboxylic Acid Scaffold Are Effective Colistin Adjuvants in Gram Negative Bacteria. Pharmaceuticals, 2022, 15, 766.	1.7	1
3	Identification of Human Alanineâ€“Glyoxylate Aminotransferase Ligands as Pharmacological Chaperones for Variants Associated with Primary Hyperoxaluria Type 1. Journal of Medicinal Chemistry, 2022, 65, 9718-9734.	2.9	4
4	Exploring the chemical space around N-(5-nitrothiazol-2-yl)-1,2,3-thiadiazole-4-carboxamide, a hit compound with serine acetyltransferase (SAT) inhibitory properties. Results in Chemistry, 2022, 4, 100443.	0.9	0
5	Investigational Studies on a Hit Compound Cyclopropaneâ€“Carboxylic Acid Derivative Targeting O-Acetylserine Sulfhydrylase as a Colistin Adjuvant. ACS Infectious Diseases, 2021, 7, 281-292.	1.8	13
6	Discovery of Substituted (2-Aminooxazol-4-yl)Isoxazole-3-carboxylic Acids as Inhibitors of Bacterial Serine Acetyltransferase in the Quest for Novel Potential Antibacterial Adjuvants. Pharmaceuticals, 2021, 14, 174.	1.7	5
7	A Competitive O-Acetylserine Sulfhydrylase Inhibitor Modulates the Formation of Cysteine Synthase Complex. Catalysts, 2021, 11, 700.	1.6	4
8	Towards the sustainable discovery and development of new antibiotics. Nature Reviews Chemistry, 2021, 5, 726-749.	13.8	439
9	Aspergillus fumigatus tryptophan metabolic route differently affects host immunity. Cell Reports, 2021, 34, 108673.	2.9	16
10	Nitric oxide-releasing cyclodextrins as biodegradable antibacterial scaffolds: a patent evaluation of US2019343869(A1). Expert Opinion on Therapeutic Patents, 2020, 30, 901-905.	2.4	1
11	2-Aminooxazole as a Novel Privileged Scaffold in Antitubercular Medicinal Chemistry. ACS Medicinal Chemistry Letters, 2020, 11, 1435-1441.	1.3	18
12	Inhibition of Nonessential Bacterial Targets: Discovery of a Novel Serine O-Acetyltransferase Inhibitor. ACS Medicinal Chemistry Letters, 2020, 11, 790-797.	1.3	17
13	Antituberculosis agents: Beyond medicinal chemistry rules. Annual Reports in Medicinal Chemistry, 2019, 52, 27-69.	0.5	4
14	Sodium Hyaluronate Nanocomposite Respirable Microparticles to Tackle Antibiotic Resistance with Potential Application in Treatment of Mycobacterial Pulmonary Infections. Pharmaceutics, 2019, 11, 203.	2.0	26
15	Refining the structureâ^'activity relationships of 2-phenylcyclopropane carboxylic acids as inhibitors of O-acetylserine sulfhydrylase isoforms. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 31-43.	2.5	12
16	Cycloserine enantiomers are reversible inhibitors of human alanine:glyoxylate aminotransferase: implications for Primary Hyperoxaluria type 1. Biochemical Journal, 2019, 476, 3751-3768.	1.7	7
17	Integration of Enhanced Sampling Methods with Saturation Transfer Difference Experiments to Identify Protein Druggable Pockets. Journal of Chemical Information and Modeling, 2018, 58, 710-723.	2.5	15
18	In vitro Digestion of Zingiber officinale Extract and Evaluation of Stability as a First Step to Determine its Bioaccesibility. Natural Product Communications, 2018, 13, 1934578X1801300.	0.2	1

#	Article	IF	Citations
19	Adjuvant therapies against tuberculosis: discovery of a 2-aminothiazole targeting Mycobacterium tuberculosis energetics. Future Microbiology, 2018, 13, 1383-1402.	1.0	9
20	Biochemical Characterization of Aspergillus fumigatus AroH, a Putative Aromatic Amino Acid Aminotransferase. Frontiers in Molecular Biosciences, 2018, 5, 104.	1.6	6
21	Discovering a new class of antifungal agents that selectively inhibits microbial carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1537-1544.	2.5	15
22	Discovery of novel fragments inhibiting O-acetylserine sulphhydrylase by combining scaffold hopping and ligandâ€“based drug design. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1444-1452.	2.5	17
23	Challenging the Drug-Likeness Dogma for New Drug Discovery in Tuberculosis. Frontiers in Microbiology, 2018, 9, 1367.	1.5	79
24	Efflux Activity Differentially Modulates the Levels of Isoniazid and Rifampicin Resistance among Multidrug Resistant and Monoresistant Mycobacterium tuberculosis Strains. Antibiotics, 2018, 7, 18.	1.5	21
25	Modulation of bacterial metabolism by the microenvironment controls MAIT cell stimulation. Mucosal Immunology, 2018, 11, 1060-1070.	2.7	60
26	Discovery of Multitarget Agents Active as Broad-Spectrum Antivirals and Correctors of Cystic Fibrosis Transmembrane Conductance Regulator for Associated Pulmonary Diseases. Journal of Medicinal Chemistry, 2017, 60, 1400-1416.	2.9	17
27	Accepting the Invitation to Open Innovation in Malaria Drug Discovery: Synthesis, Biological Evaluation, and Investigation on the Structureâ€“Activity Relationships of Benzo[b]thiophene-2-carboxamides as Antimalarial Agents. Journal of Medicinal Chemistry, 2017, 60, 1959-1970.	2.9	42
28	Substituted N-Phenyl-5-(2-(phenylamino)thiazol-4-yl)isoxazole-3-carboxamides Are Valuable Antitubercular Candidates that Evade Innate Efflux Machinery. Journal of Medicinal Chemistry, 2017, 60, 7108-7122.	2.9	64
29	Discovery of New Potential Antiâ€Infective Compounds Based on Carbonic Anhydrase Inhibitors by Rational Targetâ€Focused Repurposing Approaches. ChemMedChem, 2016, 11, 1904-1914.	1.6	49
30	A combined ligand- and structure-based approach for the identification of rilmenidine-derived compounds which synergize the antitumor effects of doxorubicin. Bioorganic and Medicinal Chemistry, 2016, 24, 3174-3183.	1.4	15
31	Cyclopropane-1,2-dicarboxylic acids as new tools for the biophysical investigation ofO-acetylserine sulfhydrylases by fluorimetric methods and saturation transfer difference (STD) NMR. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 78-87.	2.5	21
32	An Experimental Model for the Rapid Screening of Compounds with Potential Use Against Mycobacteria. Assay and Drug Development Technologies, 2016, 14, 524-534.	0.6	9
33	Rational Design, Synthesis, and Preliminary Structureâ€“Activity Relationships of Î±-Substituted-2-Phenylcyclopropane Carboxylic Acids as Inhibitors of Salmonella typhimurium O-Acetylserine Sulfhydrylase. Journal of Medicinal Chemistry, 2016, 59, 2567-2578.	2.9	28
34	Cyclopropane derivatives as potential human serine racemase inhibitors: unveiling novel insights into a difficult target. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 645-652.	2.5	12
35	Discovery of antitubercular 2,4-diphenyl-1H-imidazoles from chemical library repositioning and rational design. European Journal of Medicinal Chemistry, 2015, 100, 44-49.	2.6	18
36	Synthesis of 7-Desmethyl Analogs of (+)- and (â^')-Huperzine A. Heterocycles, 2015, 91, 2285.	0.4	0

#	Article	IF	Citations
37	Further insights into the SAR of Î±-substituted cyclopropylamine derivatives as inhibitors of histone demethylase KDM1A. European Journal of Medicinal Chemistry, 2015, 92, 377-386.	2.6	30
38	Rational Design and Synthesis of Thioridazine Analogues as Enhancers of the Antituberculosis Therapy. Journal of Medicinal Chemistry, 2015, 58, 5842-5853.	2.9	41
39	Mutation of Rv2887 , a marR -Like Gene, Confers Mycobacterium tuberculosis Resistance to an Imidazopyridine-Based Agent. Antimicrobial Agents and Chemotherapy, 2015, 59, 6873-6881.	1.4	25
40	Inhibitors of the Sulfur Assimilation Pathway in Bacterial Pathogens as Enhancers of Antibiotic Therapy. Current Medicinal Chemistry, 2014, 22, 187-213.	1.2	42
41	Spectinamides: a challenge, a proof, and a suggestion. Trends in Microbiology, 2014, 22, 170-171.	3.5	6
42	Design, synthesis and investigation on the structureâ€“activity relationships of N-substituted 2-aminothiazole derivatives as antitubercular agents. European Journal of Medicinal Chemistry, 2014, 72, 26-34.	2.6	58
43	Indoleamides are active against drug-resistant Mycobacterium tuberculosis. Nature Communications, 2013, 4, 2907.	5.8	130
44	Structural analogs of huperzine A improve survival in guinea pigs exposed to soman. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1544-1547.	1.0	9
45	Preliminary Structureâ€“Activity Relationships and Biological Evaluation of Novel Antitubercular Indolecarboxamide Derivatives Against Drug-Susceptible and Drug-Resistant Mycobacterium tuberculosis Strains. Journal of Medicinal Chemistry, 2013, 56, 4093-4103.	2.9	118
46	Derivatives of 3-Isoxazolecarboxylic Acid Esters - A Potent and Selective Compound Class against Replicating and Nonreplicating Mycobacterium tuberculosis. Current Topics in Medicinal Chemistry, 2012, 12, 729-734.	1.0	20
47	6â€Hydrogenâ€8â€Methylquinolones Active Against Replicating and Nonâ€replicating Mycobacterium tuberculosis. Chemical Biology and Drug Design, 2012, 80, 781-786.	1.5	13
48	Synthesis, Biological Evaluation, and Structureâ€“Activity Relationships of N-Benzoyl-2-hydroxybenzamides as Agents Active against P. falciparum (K1 strain), Trypanosomes, and Leishmania. Journal of Medicinal Chemistry, 2012, 55, 3088-3100.	2.9	32
49	Synthesis and Structureâ€“Activity Relationships of Lansine Analogues as Antileishmanial Agents. ChemMedChem, 2012, 7, 1895-1900.	1.6	15
50	Novel N -Benzoyl-2-Hydroxybenzamide Disrupts Unique Parasite Secretory Pathway. Antimicrobial Agents and Chemotherapy, 2012, 56, 2666-2682.	1.4	32
51	Searching for innovative quinolone-like scaffolds: synthesis and biological evaluation of 2,1-benzothiazine 2,2-dioxide derivatives. MedChemComm, 2012, 3, 1092.	3.5	20
52	Pyrido[1,2â€a]benzimidazoleâ€Based Agents Active Against Tuberculosis (TB), Multidrugâ€Resistant (MDR) TB and Extensively Drugâ€Resistant (XDR) TB. ChemMedChem, 2011, 6, 334-342.	1.6	58
53	From 6-Aminoquinolone Antibacterials to 6-Amino-7-thiopyranopyridinylquinolone Ethyl Esters as Inhibitors of Staphylococcus aureus Multidrug Efflux Pumps. Journal of Medicinal Chemistry, 2010, 53, 4466-4480.	2.9	41
54	NOC Chemistry for Tuberculosisâ€”Further Investigations on the Structureâ€“Activity Relationships of Antitubercular Isoxazoleâ€3â€carboxylic Acid Ester Derivatives. ChemMedChem, 2010, 5, 1667-1672.	1.6	11

#	Article	IF	Citations
55	Rational Design of 5-Phenyl-3-isoxazolecarboxylic Acid Ethyl Esters as Growth Inhibitors of Mycobacterium tuberculosis. A Potent and Selective Series for Further Drug Development. Journal of Medicinal Chemistry, 2010, 53, 678-688.	2.9	57
56	From Serendipity to Rational Antituberculosis Drug Discovery of Mefloquine-Isoxazole Carboxylic Acid Esters. Journal of Medicinal Chemistry, 2009, 52, 6966-6978.	2.9	92
57	Synthesis, Biological Evaluation, and Structureâ^'Activity Relationships for 5-[(E)-2-Arylethenyl]-3-isoxazolecarboxylic Acid Alkyl Ester Derivatives as Valuable Antitubercular Chemotypes. Journal of Medicinal Chemistry, 2009, 52, 6287-6296.	2.9	46
58	In Pursuit of Natural Product Leads: Synthesis and Biological Evaluation of 2-[3-hydroxy-2-[(3-hydroxypyridine-2-carbonyl)amino]phenyl]benzoxazole-4-carboxylic acid (A-33853) and Its Analogues: Discovery of N-(2-Benzoxazol-2-ylphenyl)benzamides as Novel Antileishmanial Chemotypes. Journal of Medicinal Chemistry, 2008, 51, 7344-7347.	2.9	72