

# Marco Pieroni

## List of Publications by Year in descending order

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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	Towards the sustainable discovery and development of new antibiotics. <i>Nature Reviews Chemistry</i> , 2021, 5, 726-749.	13.8	439
2	Indoleamides are active against drug-resistant <i>Mycobacterium tuberculosis</i> . <i>Nature Communications</i> , 2013, 4, 2907.	5.8	130
3	Preliminary Structure-Activity Relationships and Biological Evaluation of Novel Antitubercular Indolecarboxamide Derivatives Against Drug-Susceptible and Drug-Resistant <i>Mycobacterium tuberculosis</i> Strains. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4093-4103.	2.9	118
4	From Serendipity to Rational Antituberculosis Drug Discovery of Mefloquine-Isoxazole Carboxylic Acid Esters. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6966-6978.	2.9	92
5	Challenging the Drug-Likeness Dogma for New Drug Discovery in Tuberculosis. <i>Frontiers in Microbiology</i> , 2018, 9, 1367.	1.5	79
6	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. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7344-7347.	2.9	72
7	Substituted N-Phenyl-5-(2-(phenylamino)thiazol-4-yl)isoxazole-3-carboxamides Are Valuable Antitubercular Candidates that Evade Innate Efflux Machinery. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7108-7122.	2.9	64
8	Modulation of bacterial metabolism by the microenvironment controls MAIT cell stimulation. <i>Mucosal Immunology</i> , 2018, 11, 1060-1070.	2.7	60
9	Pyrido[1,2-a]benzimidazole-Based Agents Active Against Tuberculosis (TB), Multidrug-Resistant (MDR) TB and Extensively Drug-Resistant (XDR) TB. <i>ChemMedChem</i> , 2011, 6, 334-342.	1.6	58
10	Design, synthesis and investigation on the structure-activity relationships of N-substituted 2-aminothiazole derivatives as antitubercular agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 72, 26-34.	2.6	58
11	Rational Design of 5-Phenyl-3-isoxazolecarboxylic Acid Ethyl Esters as Growth Inhibitors of <i>Mycobacterium tuberculosis</i> . A Potent and Selective Series for Further Drug Development. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 678-688.	2.9	57
12	Discovery of New Potential Anti-Infective Compounds Based on Carbonic Anhydrase Inhibitors by Rational Target-Focused Repurposing Approaches. <i>ChemMedChem</i> , 2016, 11, 1904-1914.	1.6	49
13	Synthesis, Biological Evaluation, and Structure-Activity Relationships for 5-[(E)-2-Arylethenyl]-3-isoxazolecarboxylic Acid Alkyl Ester Derivatives as Valuable Antitubercular Chemotypes. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6287-6296.	2.9	46
14	Inhibitors of the Sulfur Assimilation Pathway in Bacterial Pathogens as Enhancers of Antibiotic Therapy. <i>Current Medicinal Chemistry</i> , 2014, 22, 187-213.	1.2	42
15	Accepting the Invitation to Open Innovation in Malaria Drug Discovery: Synthesis, Biological Evaluation, and Investigation on the Structure-Activity Relationships of Benzo[ <i>b</i> ]thiophene-2-carboxamides as Antimalarial Agents. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1959-1970.	2.9	42
16	From 6-Aminoquinolone Antibacterials to 6-Amino-7-thiopyranopyridinylquinolone Ethyl Esters as Inhibitors of <i>Staphylococcus aureus</i> Multidrug Efflux Pumps. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4466-4480.	2.9	41
17	Rational Design and Synthesis of Thioridazine Analogues as Enhancers of the Antituberculosis Therapy. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5842-5853.	2.9	41
18	Synthesis, Biological Evaluation, and Structure-Activity Relationships of N-Benzoyl-2-hydroxybenzamides as Agents Active against <i>P. falciparum</i> (K1 strain), Trypanosomes, and Leishmania. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3088-3100.	2.9	32

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19	Novel <i>N</i> -Benzoyl-2-Hydroxybenzamide Disrupts Unique Parasite Secretory Pathway. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2666-2682.	1.4	32
20	Further insights into the SAR of $\beta$ -substituted cyclopropylamine derivatives as inhibitors of histone demethylase KDM1A. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 377-386.	2.6	30
21	Rational Design, Synthesis, and Preliminary Structure-Activity Relationships of $\beta$ -Substituted-2-Phenylcyclopropane Carboxylic Acids as Inhibitors of <i>Salmonella typhimurium</i> O-Acetylserine Sulfhydrylase. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2567-2578.	2.9	28
22	Sodium Hyaluronate Nanocomposite Respirable Microparticles to Tackle Antibiotic Resistance with Potential Application in Treatment of Mycobacterial Pulmonary Infections. <i>Pharmaceutics</i> , 2019, 11, 203.	2.0	26
23	Mutation of <i>Rv2887</i> , a <i>marR</i> -Like Gene, Confers Mycobacterium tuberculosis Resistance to an Imidazopyridine-Based Agent. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6873-6881.	1.4	25
24	Cyclopropane-1,2-dicarboxylic acids as new tools for the biophysical investigation of O-acetylserine sulfhydrylases by fluorimetric methods and saturation transfer difference (STD) NMR. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 78-87.	2.5	21
25	Efflux Activity Differentially Modulates the Levels of Isoniazid and Rifampicin Resistance among Multidrug Resistant and Monoresistant Mycobacterium tuberculosis Strains. <i>Antibiotics</i> , 2018, 7, 18.	1.5	21
26	Derivatives of 3-Isoxazolecarboxylic Acid Esters - A Potent and Selective Compound Class against Replicating and Nonreplicating Mycobacterium tuberculosis. <i>Current Topics in Medicinal Chemistry</i> , 2012, 12, 729-734.	1.0	20
27	Searching for innovative quinolone-like scaffolds: synthesis and biological evaluation of 2,1-benzothiazine 2,2-dioxide derivatives. <i>MedChemComm</i> , 2012, 3, 1092.	3.5	20
28	Discovery of antitubercular 2,4-diphenyl-1H-imidazoles from chemical library repositioning and rational design. <i>European Journal of Medicinal Chemistry</i> , 2015, 100, 44-49.	2.6	18
29	2-Aminooxazole as a Novel Privileged Scaffold in Antitubercular Medicinal Chemistry. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1435-1441.	1.3	18
30	Discovery of Multitarget Agents Active as Broad-Spectrum Antivirals and Correctors of Cystic Fibrosis Transmembrane Conductance Regulator for Associated Pulmonary Diseases. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1400-1416.	2.9	17
31	Discovery of novel fragments inhibiting O-acetylserine sulphhydrylase by combining scaffold hopping and ligand-based drug design. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1444-1452.	2.5	17
32	Inhibition of Nonessential Bacterial Targets: Discovery of a Novel Serine O-Acetyltransferase Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 790-797.	1.3	17
33	<i>Aspergillus fumigatus</i> tryptophan metabolic route differently affects host immunity. <i>Cell Reports</i> , 2021, 34, 108673.	2.9	16
34	Synthesis and Structure-Activity Relationships of Lansine Analogues as Antileishmanial Agents. <i>ChemMedChem</i> , 2012, 7, 1895-1900.	1.6	15
35	A combined ligand- and structure-based approach for the identification of rilmenidine-derived compounds which synergize the antitumor effects of doxorubicin. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3174-3183.	1.4	15
36	Integration of Enhanced Sampling Methods with Saturation Transfer Difference Experiments to Identify Protein Druggable Pockets. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 710-723.	2.5	15

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37	Discovering a new class of antifungal agents that selectively inhibits microbial carbonic anhydrases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1537-1544.	2.5	15
38	6- <i>Hydrogen</i> -8-Methylquinolones Active Against Replicating and Non-replicating <i>Mycobacterium tuberculosis</i> . <i>Chemical Biology and Drug Design</i> , 2012, 80, 781-786.	1.5	13
39	Investigational Studies on a Hit Compound Cyclopropane- <i>Carboxylic Acid Derivative Targeting</i> <i>O</i> -Acetylserine Sulfhydrylase as a Colistin Adjuvant. <i>ACS Infectious Diseases</i> , 2021, 7, 281-292.	1.8	13
40	Cyclopropane derivatives as potential human serine racemase inhibitors: unveiling novel insights into a difficult target. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 645-652.	2.5	12
41	Refining the structure-activity relationships of 2-phenylcyclopropane carboxylic acids as inhibitors of <i>O</i> -acetylserine sulfhydrylase isoforms. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 31-43.	2.5	12
42	NOC Chemistry for Tuberculosis- <i>Further Investigations on the Structure-Activity Relationships of Antitubercular Isoxazole-3-carboxylic Acid Ester Derivatives</i> . <i>ChemMedChem</i> , 2010, 5, 1667-1672.	1.6	11
43	Structural analogs of huperzine A improve survival in guinea pigs exposed to soman. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1544-1547.	1.0	9
44	An Experimental Model for the Rapid Screening of Compounds with Potential Use Against <i>Mycobacteria</i> . <i>Assay and Drug Development Technologies</i> , 2016, 14, 524-534.	0.6	9
45	Adjuvant therapies against tuberculosis: discovery of a 2-aminothiazole targeting <i>Mycobacterium tuberculosis</i> energetics. <i>Future Microbiology</i> , 2018, 13, 1383-1402.	1.0	9
46	Cycloserine enantiomers are reversible inhibitors of human alanine:glyoxylate aminotransferase: implications for Primary Hyperoxaluria type 1. <i>Biochemical Journal</i> , 2019, 476, 3751-3768.	1.7	7
47	Spectinamides: a challenge, a proof, and a suggestion. <i>Trends in Microbiology</i> , 2014, 22, 170-171.	3.5	6
48	Biochemical Characterization of <i>Aspergillus fumigatus</i> AroH, a Putative Aromatic Amino Acid Aminotransferase. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 104.	1.6	6
49	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. <i>Pharmaceuticals</i> , 2021, 14, 174.	1.7	5
50	Antituberculosis agents: Beyond medicinal chemistry rules. <i>Annual Reports in Medicinal Chemistry</i> , 2019, 52, 27-69.	0.5	4
51	A Competitive <i>O</i> -Acetylserine Sulfhydrylase Inhibitor Modulates the Formation of Cysteine Synthase Complex. <i>Catalysts</i> , 2021, 11, 700.	1.6	4
52	Identification of Human Alanine-Glyoxylate Aminotransferase Ligands as Pharmacological Chaperones for Variants Associated with Primary Hyperoxaluria Type 1. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 9718-9734.	2.9	4
53	Crystal structure of <i>Aspergillus fumigatus</i> AroH, an aromatic amino acid aminotransferase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 435-442.	1.5	2
54	In vitro Digestion of Zingiber officinale Extract and Evaluation of Stability as a First Step to Determine its Bioaccessibility. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.2	1

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55	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
56	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
57	Synthesis of 7-Desmethyl Analogs of (+)- and (âˆ—)-Huperzine A. Heterocycles, 2015, 91, 2285.	0.4	0
58	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