

# Pablo Machado

## List of Publications by Year in descending order

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87  
papers

1,978  
citations

304368

22  
h-index

264894

42  
g-index

94  
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94  
docs citations

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times ranked

2569  
citing authors

#	ARTICLE	IF	CITATIONS
1	µProteinSâ€”a proteogenomics pipeline for finding novel bacterial microproteins encoded by small ORFs. <i>Bioinformatics</i> , 2022, 38, 2612-2614.	1.8	3
2	Synthesis and Antimycobacterial Evaluation of N-(4-(Benzyloxy)benzyl)-4-aminoquinolines. <i>Molecules</i> , 2022, 27, 2556.	1.7	1
3	Therapeutic effect of uridine phosphorylase 1 (UPP1) inhibitor on liver fibrosis in vitro and in vivo. <i>European Journal of Pharmacology</i> , 2021, 890, 173670.	1.7	8
4	Anti-tubercular profile of new selenium-menadione conjugates against <i>Mycobacterium tuberculosis</i> H37Rv (ATCC 27294) strain and multidrug-resistant clinical isolates. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112859.	2.6	14
5	8-Mercaptoguanine-based inhibitors of <i>Mycobacterium tuberculosis</i> dihydroneopterin aldolase: synthesis, <i>in vitro</i> inhibition and docking studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 847-855.	2.5	2
6	Ultrasound-Assisted Synthesis of 4-Alkoxy-2-methylquinolines: An Efficient Method toward Antitubercular Drug Candidates. <i>Molecules</i> , 2021, 26, 1215.	1.7	6
7	Targeting thymidine phosphorylase inhibition in human colorectal cancer xenografts. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111672.	2.5	2
8	Synthesis and Antimycobacterial Activity of 3-Phenyl-1-indoles. <i>Molecules</i> , 2021, 26, .	1.7	0
9	Synthesis and Antimycobacterial Activity of 3-Phenyl-1H-indoles. <i>Molecules</i> , 2021, 26, 5148.	1.7	1
10	EPSP Synthase-Depleted Cells Are Aromatic Amino Acid Auxotrophs in <i>Mycobacterium smegmatis</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0000921.	1.2	2
11	Nonclinical evaluation of IQG-607, an anti-tuberculosis candidate with potential use in combination drug therapy. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 111, 104553.	1.3	9
12	Cloning and expression of the <i>Bacillus amyloliquefaciens</i> transglutaminase gene in <i>E. coli</i> using a bicistronic vector construction. <i>Enzyme and Microbial Technology</i> , 2020, 134, 109468.	1.6	12
13	Handling the Hurdles on the Way to Anti-tuberculosis Drug Development. <i>Frontiers in Chemistry</i> , 2020, 8, 586294.	1.8	21
14	CPBMF65, a synthetic human uridine phosphorylase-1 inhibitor, reduces HepG2 cell proliferation through cell cycle arrest and senescence. <i>Investigational New Drugs</i> , 2020, 38, 1653-1663.	1.2	3
15	<i>Mycobacterium tuberculosis</i> Shikimate Pathway Enzymes as Targets for the Rational Design of Anti-Tuberculosis Drugs. <i>Molecules</i> , 2020, 25, 1259.	1.7	40
16	Design, synthesis, and evaluation of new 2-(quinoline-4-yloxy)acetamide-based antituberculosis agents. <i>European Journal of Medicinal Chemistry</i> , 2020, 192, 112179.	2.6	31
17	Synthesis and photophysical, thermal and antimycobacterial properties of novel 6-amino-2-alkyl(aryl/heteroaryl)-4-(trifluoromethyl) quinolines. <i>New Journal of Chemistry</i> , 2019, 43, 12375-12384.	1.4	16
18	Resistance Reversed in KatG Mutants of <i>Mycobacterium tuberculosis</i> . <i>Trends in Microbiology</i> , 2019, 27, 655-656.	3.5	3

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19	Adverse effects of p-TSA-doped polypyrrole particulate exposure during zebrafish ( <i>Danio rerio</i> ) development. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 58-67.	2.5	5
20	Synthesis of Novel Thiazolidinâ€”ones and Thiazinanâ€”ones Analogous to Rosiglitazone. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 251-259.	1.4	6
21	Design of Novel Inhibitors of Human Thymidine Phosphorylase: Synthesis, Enzyme Inhibition, in Vitro Toxicity, and Impact on Human Glioblastoma Cancer. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1231-1245.	2.9	12
22	Preclinical pharmacokinetic profiling of IQG-607, a potential oral metallodrug to treat tuberculosis. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 111, 393-398.	1.9	4
23	Activity of 2-(quinolin-4-yloxy)acetamides in <i>Mycobacterium tuberculosis</i> clinical isolates and identification of their molecular target by whole-genome sequencing. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 378-384.	1.1	20
24	Revisiting Activation of and Mechanism of Resistance to Compound IQG-607 in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	8
25	Synthesis and mechanistic investigation of iron(II) complexes of isoniazid and derivatives as a redox-mediated activation strategy for anti-tuberculosis therapy. <i>Journal of Inorganic Biochemistry</i> , 2018, 179, 71-81.	1.5	16
26	1H- <i>Benzo[d]</i> imidazoles and 3,4-dihydroquinazolin-4-ones: Design, synthesis and antitubercular activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 153-164.	2.6	26
27	Is IQG-607 a Potential Metallodrug or Metallopro-Drug With a Defined Molecular Target in <i>Mycobacterium tuberculosis</i> ?. <i>Frontiers in Microbiology</i> , 2018, 9, 880.	1.5	10
28	Preclinical safety evaluation of IQG-607 in rats: Acute and repeated dose toxicity studies. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 86, 11-17.	1.3	11
29	Ultrasound-assisted synthesis of 2-amino-1,3,4-oxadiazoles through NBS-mediated oxidative cyclization of semicarbazones. <i>Synthetic Communications</i> , 2017, 47, 1319-1325.	1.1	11
30	Thermodynamics, functional and structural characterization of inosineâ€”uridine nucleoside hydrolase from <i>Leishmania braziliensis</i> . <i>RSC Advances</i> , 2017, 7, 48861-48875.	1.7	1
31	Toxicological profile of IQG-607 after single and repeated oral administration in minipigs: An essential step towards phase I clinical trial. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 90, 78-86.	1.3	10
32	Biochemical, thermodynamic and structural studies of recombinant homotetrameric adenylosuccinate lyase from <i>Leishmania braziliensis</i> . <i>RSC Advances</i> , 2017, 7, 54347-54360.	1.7	4
33	New insights into the SAR and drug combination synergy of 2-(quinolin-4-yloxy)acetamides against <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 491-501.	2.6	38
34	In Vitro Immunomodulatory Activity of a Transition-State Analog Inhibitor of Human Purine Nucleoside Phosphorylase in Cutaneous Leishmaniasis. <i>Journal of Immunology Research</i> , 2017, 2017, 1-6.	0.9	3
35	Synthesis, Inhibition of <i>Mycobacterium tuberculosis</i> Enoyl-acyl Carrier Protein Reductase and Antimycobacterial Activity of Novel Pentacyanoferrate(II)-isonicotinoylhydrazones. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	1
36	Inhibitory activity of pentacyano(isoniazid)ferrate(II), IQG-607, against promastigotes and amastigotes forms of <i>Leishmania braziliensis</i> . <i>PLoS ONE</i> , 2017, 12, e0190294.	1.1	7

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37	2-(Quinolin-4-yloxy)acetamides Are Active against Drug-Susceptible and Drug-Resistant <i>Mycobacterium tuberculosis</i> Strains. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 235-239.	1.3	42
38	<i>Mycobacterium tuberculosis</i> histidinol dehydrogenase: biochemical characterization and inhibition studies. <i>RSC Advances</i> , 2016, 6, 28406-28418.	1.7	4
39	Regioselectively controlled synthesis of 3(5)-(trifluoromethyl)pyrazolylbenzenesulfonamides and their effects on a pathological pain model in mice. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 143-152.	2.6	24
40	Structural improvement of compounds with analgesic activity: AC-MPF4, a compound with mixed anti-inflammatory and antinociceptive activity via opioid receptor. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 129, 72-78.	1.3	11
41	Piperazine derivatives: Synthesis, inhibition of the <i>Mycobacterium tuberculosis</i> enoyl-acyl carrier protein reductase and SAR studies. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 436-447.	2.6	17
42	Synthesis and Evaluation of Thiazolyl-1H-benzo[d]imidazole Inhibitors of <i>Mycobacterium tuberculosis</i> Inosine Monophosphate Dehydrogenase. <i>Journal of the Brazilian Chemical Society</i> , 2015, . .	0.6	1
43	Human uridine phosphorylase-1 inhibitors: a new approach to ameliorate 5-fluorouracil-induced intestinal mucositis. <i>Investigational New Drugs</i> , 2014, 32, 1301-1307.	1.2	12
44	A greener approach toward gadolinium-based contrast agents. <i>RSC Advances</i> , 2014, 4, 9880-9884.	1.7	3
45	A novel, potent, oral active and safe antinociceptive pyrazole targeting kappa opioid receptors. <i>Neuropharmacology</i> , 2013, 73, 261-273.	2.0	29
46	Ultrasound-assisted improvement of drug solubility: a simple and useful method for the formation of salts from 4-hydroxy-6-methyl-3-nitropyridin-2(1H)-one. <i>Monatshefte für Chemie</i> , 2013, 144, 1165-1170.	0.9	0
47	Evaluation of the synthesis of 1-(pentafluorophenyl)-4,5-dihydro-1H-pyrazoles using green metrics. <i>Monatshefte für Chemie</i> , 2013, 144, 1043-1050.	0.9	9
48	Targeting the Histidine Pathway in <i>Mycobacterium tuberculosis</i> . <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 2866-2884.	1.0	25
49	Design of Novel Potent Inhibitors of Human Uridine Phosphorylase-1: Synthesis, Inhibition Studies, Thermodynamics, and in Vitro Influence on 5-Fluorouracil Cytotoxicity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8892-8902.	2.9	16
50	The antinociceptive effect of reversible monoamine oxidase-A inhibitors in a mouse neuropathic pain model. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 44, 136-142.	2.5	33
51	Pyrimidin-2(1H)-ones based inhibitors of <i>Mycobacterium tuberculosis</i> orotate phosphoribosyltransferase. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 113-122.	2.6	20
52	The potential antidepressant-like effect of imidazoline I2 ligand 2-BFI in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012, 37, 15-21.	2.5	15
53	Synthesis and Structure of Novel 1-Aryl-4,4,4-trichloro-1,3-butanediones. <i>Synthetic Communications</i> , 2012, 42, 727-737.	1.1	6
54	Antidepressant-like effect of the novel MAO inhibitor 2-(3,4-dimethoxy-phenyl)-4,5-dihydro-1H-imidazole (2-DMPI) in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012, 39, 31-39.	2.5	21

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55	Structural investigations of 5-hydroxy-4,5-dihydroisoxazoles. <i>Journal of Molecular Structure</i> , 2011, 1006, 462-468.	1.8	4
56	Efficient and highly regioselective synthesis of ethyl 1-(2,4-dichlorophenyl)-1H-pyrazole-3-carboxylates under ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 293-299.	3.8	29
57	Antipyretic and antioxidant activities of 5-trifluoromethyl-4,5-dihydro-1H-pyrazoles in rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2010, 43, 1193-1202.	0.7	26
58	Effect of 5-trifluoromethyl-4,5-dihydro-1H-pyrazoles on chronic inflammatory pain model in rats. <i>European Journal of Pharmacology</i> , 2009, 616, 91-100.	1.7	45
59	Antioxidant Potential of New Pyrazoline Derivatives to Prevent Oxidative Damage. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009, 104, 107-112.	1.2	17
60	Experimental and calculated structural parameters of 5-trihalomethyl-4,5-dihydro-1H-pyrazole derivatives, novel analgesic agents. <i>Journal of Molecular Structure</i> , 2009, 917, 176-182.	1.8	20
61	Ultrasound promoted synthesis of 2-imidazolines in water: A greener approach toward monoamine oxidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 546-549.	1.0	50
62	Solvent-Free Heterocyclic Synthesis. <i>Chemical Reviews</i> , 2009, 109, 4140-4182.	23.0	575
63	Microwave-assisted synthesis and antimicrobial activity of 5-trihalomethyl-3-arylisoxazoles. <i>Monatshefte für Chemie</i> , 2008, 139, 985-990.	0.9	13
64	Reaction of $\beta$ -dimethylaminovinyl ketones with hydroxylamine: A simple and useful method for synthesis of $\alpha$ - and $\delta$ -substituted isoxazoles. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 879-885.	1.4	33
65	Design and microwave-assisted synthesis of 5-trifluoromethyl-4,5-dihydro-1H-pyrazoles: Novel agents with analgesic and anti-inflammatory properties. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1237-1247.	2.6	75
66	Cyclooxygenase-2/PGE2 pathway facilitates pentylentetrazol-induced seizures. <i>Epilepsy Research</i> , 2008, 79, 14-21.	0.8	86
67	Antinociceptive effect of novel trihalomethyl-substituted pyrazoline methyl esters in formalin and hot-plate tests in mice. <i>European Journal of Pharmacology</i> , 2008, 581, 86-96.	1.7	84
68	Antinociceptive action of 4-methyl-5-trifluoromethyl-5-hydroxy-4, 5-dihydro-1H-pyrazole methyl ester in models of inflammatory pain in mice. <i>Life Sciences</i> , 2008, 83, 739-746.	2.0	33
69	Simplified Approach to the Regiospecific Synthesis of Trichloromethylpyrazolines Using Microwave Irradiation. <i>Synthetic Communications</i> , 2008, 38, 3465-3476.	1.1	5
70	5-Halomethyl-5-Hydroxy-4,5-Dihydroisoxazoles: Synthesis and $^{13}\text{C}$ , $^{17}\text{O}$ , $^{15}\text{N}$ , $^{19}\text{F}$ NMR Spectroscopy. <i>Mini-Reviews in Organic Chemistry</i> , 2008, 5, 53-76.	0.6	12
71	Regiospecific Synthesis of 5-Trichloromethyl-1H-Pyrazole and 1HPyrazole-5-Carboxylic Ester Derivatives. <i>Letters in Organic Chemistry</i> , 2008, 5, 91-97.	0.2	8
72	Straightforward and Regiospecific Synthesis of Pyrazole-5-carboxylates from Unsymmetrical Enaminodiketones. <i>Synlett</i> , 2008, 2008, 1673-1678.	1.0	21

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73	Synthesis of Ethyl Pyrimidine-4-carboxylates from Unsymmetrical Enamino Diketones and Their Application in the First Synthesis of Pyrimido[4,5- <i>d</i> ]pyridazin-8(7 <i>H</i> )-ones. <i>Synthesis</i> , 2008, 2008, 3639-3648.	1.2	5
74	2-(4,5-Dihydro-1,3-oxazol-2-yl)quinoline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o154-o154.	0.2	0
75	2-Methyl-5-(4-tolyl)-7-(trifluoromethyl)pyrazolo[1,5- <i>a</i> ]pyrimidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o212-o212.	0.2	2
76	Synthesis and structure of novel 4,5-dihydro-1H-pyrazoles: salicylic acid based analgesic agents. <i>Arkivoc</i> , 2008, 2007, 281-297.	0.3	3
77	N- and C-Acylation in $\hat{1}^2$ -Enamino Ketones: Structural Effects on Regiocontrol. <i>Synlett</i> , 2007, 2007, 3165-3171.	1.0	8
78	Synthesis of New Halo-Containing Enynes: Reaction of Lithium Acetylenides with 1,1,1-Trihalo-4-alkoxy-3-buten-2-ones. <i>Letters in Organic Chemistry</i> , 2007, 4, 193-197.	0.2	1
79	Synthesis, antimicrobial activity, and QSAR studies of furan-3-carboxamides. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 1947-1958.	1.4	61
80	Ethyl 1-(2,4-dichlorophenyl)-5-phenyl-1H-pyrazole-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4741-o4741.	0.2	1
81	Microwave-assisted synthesis of novel 5-trichloromethyl-4,5-dihydro-1H-1-pyrazole methyl esters under solvent free conditions. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 408-411.	0.6	19
82	Ultrasound promoted synthesis of 5-hydroxy-5-trihalomethyl-4,5-dihydroisoxazoles and $\hat{1}^2$ -enamino trihalomethyl ketones in water. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 364-370.	3.8	50
83	Microwave-Assisted Synthesis of 5-Trichloromethyl Substituted 1-Phenyl-1H-pyrazoles and 1,2-Dimethylpyrazolium Chlorides.. <i>ChemInform</i> , 2003, 34, no.	0.1	1
84	Microwave-assisted synthesis of 5-trichloromethyl substituted 1-phenyl-1H-pyrazoles and 1,2-dimethylpyrazolium chlorides. <i>Tetrahedron Letters</i> , 2003, 44, 6669-6672.	0.7	31
85	Design, Synthesis and Antitubercular Activity of 2-(Benzylthio)-1H-benzo[d]imidazoles. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
86	Cytotoxic Effects of Diclofenac and Ibuprofen Zinc (II)-Nicotinamide Ternary Complexes in Breast Cancer Cell Lines. <i>Brazilian Archives of Biology and Technology</i> , 0, 64, .	0.5	0
87	Bacterial Enoyl-Reductases: The Ever-Growing List of Fabs, Their Mechanisms and Inhibition. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4