Fabio Zuccotto

List of Publications by Year
in descending order

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45 papers	2,299 citations	304743 22 h-index	276875 41 g-index
50 all docs	50 docs citations	50 times ranked	3841 citing authors

#	Article	IF	Citations
1	Through the â€œGatekeeper Doorâ€• Exploiting the Active Kinase Conformation. Journal of Medicinal Chemistry, 2010, 53, 2681-2694.	6.4	432
2	A novel multiple-stage antimalarial agent that inhibits protein synthesis. Nature, 2015, 522, 315-320.	27.8	353
3	Preclinical candidate for the treatment of visceral leishmaniasis that acts through proteasome inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9318-9323.	7.1	119
4	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. Nature, 2018, 560, 192-197.	27.8	112
5	Prediction of Drug Penetration in Tuberculosis Lesions. ACS Infectious Diseases, 2016, 2, 552-563.	3.8	110
6	Lysyl-tRNA synthetase as a drug target in malaria and cryptosporidiosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7015-7020.	7.1	94
7	Discovery of 2-[1-(4,4-Difluorocyclohexyl)piperidin-4-yl]-6-fluoro-3-oxo-2,3-dihydro-1H-isoindole-4-carboxamide (NMS-P118): A Potent, Orally Available, and Highly Selective PARP-1 Inhibitor for Cancer Therapy. Journal of Medicinal Chemistry, 2015, 58, 6875-6898.	6.4	93
8	Clinical and veterinary trypanocidal benzoxaboroles target CPSF3. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9616-9621.	7.1	90
9	Essential but Not Vulnerable: Indazole Sulfonamides Targeting Inosine Monophosphate Dehydrogenase as Potential Leads against Mycobacterium tuberculosis. ACS Infectious Diseases, 2017, 3, 18-33.	3.8	77
10	Novel inhibitors of Trypanosoma cruzi dihydrofolate reductase. European Journal of Medicinal Chemistry, 2001, 36, 395-405.	5.5	69
11	Design and Synthesis of Lipophilic Phosphoramidate d4T-MP Prodrugs Expressing High Potency Against HIV in Cell Culture:â€‰ Structural Determinants for in Vitro Activity and QSAR. Journal of Medicinal Chemistry, 1999, 42, 4122-4128.	6.4	61
12	Dihydrofolate reductase: a potential drug target in trypanosomes and leishmania. Journal of Computer-Aided Molecular Design, 1998, 12, 241-257.	2.9	55
13	Pharmacological Validation of N-Myristoyltransferase as a Drug Target in Leishmania donovani. ACS Infectious Diseases, 2019, 5, 111-122.	3.8	55
14	2,4-Diaminopyrimidines as inhibitors of Leishmanial and Trypanosomal dihydrofolate reductase. Bioorganic and Medicinal Chemistry, 2003, 11, 4693-4711.	3.0	53
15	Sugar Mimics:Â An Artificial Receptor for Cholera Toxin. Journal of the American Chemical Society, 1999, 121, 2032-2036.	13.7	52
16	Identification of Morpholino Thiophenes as Novel Mycobacterium tuberculosis Inhibitors, Targeting QcrB. Journal of Medicinal Chemistry, 2018, 61, 6592-6608.	6.4	43
17	Fragment-based hit discovery and structure-based optimization of aminotriazoloquinazolines as novel Hsp90 inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 4135-4150.	3.0	34
18	The structure-based design and synthesis of selective inhibitors of trypanosoma cruzi dihydrofolate reductase. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 1463-1468.	2.2	32

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19	DNDI-6148: A Novel Benzoxaborole Preclinical Candidate for the Treatment of Visceral Leishmaniasis. Journal of Medicinal Chemistry, 2021, 64, 16159-16176.	6.4	31
20	NMS-E973, a Novel Synthetic Inhibitor of Hsp90 with Activity against Multiple Models of Drug Resistance to Targeted Agents, Including Intracranial Metastases. Clinical Cancer Research, 2013, 19, 3520-3532.	7.0	29
21	Pharmacokinetics of Î²-Lactam Antibiotics: Clues from the Past To Help Discover Long-Acting Oral Drugs in the Future. ACS Infectious Diseases, 2018, 4, 1439-1447.	3.8	26
22	Scaffold-Hopping Strategy on a Series of Proteasome Inhibitors Led to a Preclinical Candidate for the Treatment of Visceral Leishmaniasis. Journal of Medicinal Chemistry, 2021, 64, 5905-5930.	6.4	25
23	Pharmacophore Features Distributions in Different Classes of Compounds. Journal of Chemical Information and Computer Sciences, 2003, 43, 1542-1552.	2.8	24
24	Simulation of Proteinâ^'Sugar Interactions:â€‰ A Computational Model of the Complex between Ganglioside GM1 and the Heat-Labile Enterotoxin of Escherichia coli. Journal of Medicinal Chemistry, 1997, 40, 1855-1862.	6.4	23
25	Discovery of NMS-E973 as novel, selective and potent inhibitor of heat shock protein 90 (Hsp90). Bioorganic and Medicinal Chemistry, 2013, 21, 7047-7063.	3.0	23
26	The Q_i Site of Cytochrome b is a Promiscuous Drug Target in Trypanosoma cruzi and Leishmania donovani. ACS Infectious Diseases, 2020, 6, 515-528.	3.8	23
27	Structure-based optimization of potent PDK1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4095-4099.	2.2	20
28	Spirocycle MmpL3 Inhibitors with Improved hERG and Cytotoxicity Profiles as Inhibitors of Mycobacterium tuberculosis Growth. ACS Omega, 2021, 6, 2284-2311.	3.5	19
29	Onâ€Chip Screening of a Glycomimetic Library with Câ€Type Lectins Reveals Structural Features Responsible for Preferential Binding of Dectinâ€2 over DCâ€SIGN/R and Langerin. Chemistry - A European Journal, 2018, 24, 14448-14460.	3.3	16
30	DNA-binding mechanism of the Escherichia coli Ada O6-alkylguanine-DNA alkyltransferase. Nucleic Acids Research, 2000, 28, 3710-3718.	14.5	15
31	Optimization of TAM16, a Benzofuran That Inhibits the Thioesterase Activity of Pks13; Evaluation toward a Preclinical Candidate for a Novel Antituberculosis Clinical Target. Journal of Medicinal Chemistry, 2022, 65, 409-423.	6.4	15
32	Multiple unbiased approaches identify oxidosqualene cyclase as the molecular target of a promising anti-leishmanial. Cell Chemical Biology, 2021, 28, 711-721.e8.	5.2	11
33	Identification of a Proteasome-Targeting Arylsulfonamide with Potential for the Treatment of Chagasâ€™ Disease. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0153521.	3.2	11
34	Screening of a Novel Fragment Library with Functional Complexity against Mycobacterium tuberculosis InhA. ChemMedChem, 2018, 13, 672-677.	3.2	10
35	Instability of aquaglyceroporin (AQP) 2 contributes to drug resistance in Trypanosoma brucei. PLoS Neglected Tropical Diseases, 2020, 14, e0008458.	3.0	9
36	Ligand binding: evaluating the contribution of the water molecules network using the Fragment Molecular Orbital method. Journal of Computer-Aided Molecular Design, 2021, 35, 1025-1036.	2.9	8

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37	Repositioning of a Diaminothiazole Series Confirmed to Target the Cyclin-Dependent Kinase CRK12 for Use in the Treatment of African Animal Trypanosomiasis. Journal of Medicinal Chemistry, 2022, 65, 5606-5624.	6.4	8
38	Exhaustive sampling of the fragment space associated to a molecule leading to the generation of conserved fragments. Chemical Biology and Drug Design, 2018, 91, 655-667.	3.2	7
39	Identification of inhibitors of an unconventional Trypanosoma brucei kinetochore kinase. PLoS ONE, 2019, 14, e0217828.	2.5	6
40	A platform for target prediction of phenotypic screening hit molecules. Journal of Molecular Graphics and Modelling, 2020, 95, 107485.	2.4	1
41	Pharmacophore Features Distributions in Different Classes of Compounds.. ChemInform, 2003, 34, no.	0.0	0
42	Abstract A213: Potent anticancer activityin vitroandin vivoby NMSâ€Ł973, a novel synthetic inhibitor of HSP90. , 2009, , .		0
43	Abstract 2522: Identification and characterization of new highly selective and potent BRAF inhibitors. , 2010, , .		0
44	Abstract 691:In vitroandin vivocharacterization of selective orally available Parp-1 inhibitors with demonstrated antitumor efficacy in BRCA negative cancer models. , 2010, , .		0
45	Abstract 4206: EUD-GK-001 is a novel kinase inhibitor within vitroanti-lymphoma activity. , 2020, , .		0