Alberto Massarotti

List of Publications by Year
in descending order

57	2,213	279798	223800
papers	citations	23 h-index	46 g-index

64	64	64	3584
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	To each his own: isonitriles for all flavors. Functionalized isocyanides as valuable tools in organic synthesis. Chemical Society Reviews, 2017, 46, 1295-1357.	38.1	327
2	Broad Tuning of the Human Bitter Taste Receptor hTAS2R46 to Various Sesquiterpene Lactones, Clerodane and Labdane Diterpenoids, Strychnine, and Denatonium. Journal of Agricultural and Food Chemistry, 2007, 55, 6236-6243.	5.2	172
3	The Tubulin Colchicine Domain: a Molecular Modeling Perspective. ChemMedChem, 2012, 7, 33-42.	3.2	138
4	Medicinal Chemistry of Nicotinamide Phosphoribosyltransferase (NAMPT) Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 6279-6296.	6.4	121
5	Are 1,4â€•and 1,5â€Disubstituted 1,2,3â€Triazoles Good Pharmacophoric Groups?. ChemMedChem, 2014, 9, 2497-2508.	3.2	118
6	Zinc ions modulate protein tyrosine phosphatase 1B activity. Metallomics, 2014, 6, 1229-1239.	2.4	90
7	Computer-aided identification, design and synthesis of a novel series of compounds with selective antiviral activity against chikungunya virus. Antiviral Research, 2013, 98, 12-18.	4.1	87
8	Regioselective Suzuki Coupling of Dihaloheteroaromatic Compounds as a Rapid Strategy To Synthesize Potent Rigid Combretastatin Analogues. Journal of Medicinal Chemistry, 2011, 54, 4977-4986.	6.4	86
9	The metal face of protein tyrosine phosphatase 1B. Coordination Chemistry Reviews, 2016, 327-328, 70-83.	18.8	73
10	Medicinal Chemistry of Isocyanides. Chemical Reviews, 2021, 121, 10742-10788.	47.7	71
11	Identification of Novel Triazole-Based Nicotinamide Phosphoribosyltransferase (NAMPT) Inhibitors Endowed with Antiproliferative and Antiinflammatory Activity. Journal of Medicinal Chemistry, 2017, 60, 1768-1792.	6.4	49
12	Synthesis and Cytotoxic Evaluation of Combretafurans, Potential Scaffolds for Dual-Action Antitumoral Agents. Journal of Medicinal Chemistry, 2006, 49, 5372-5376.	6.4	47
13	Solution-Phase Parallel Synthesis and Biological Evaluation of Combretatriazoles. ACS Combinatorial Science, 2008, 10, 732-740.	3.3	47
14	Replacement of the double bond of antitubulin chalcones with triazoles and tetrazoles: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 764-768.	2.2	45
15	Discovery of Highly Potent Benzimidazole Derivatives as Indoleamine 2,3-Dioxygenase-1 (IDO1) Inhibitors: From Structure-Based Virtual Screening to in Vivo Pharmacodynamic Activity. Journal of Medicinal Chemistry, 2020, 63, 3047-3065.	6.4	40
16	Estrogenic Analogues Synthesized by Click Chemistry. ChemMedChem, 2007, 2, 437-440.	3.2	38
17	PI(3,4)P2-mediated cytokinetic abscission prevents early senescence and cataract formation. Science, 2021, 374, eabk0410.	12.6	37
18	Design, Synthesis, and Biological Evaluation of Combretabenzodiazepines: A Novel Class of Anti-Tubulin Agents. Journal of Medicinal Chemistry, 2015, 58, 1345-1357.	6.4	35

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19	Bio-Inspired Dual-Selective BCL-2/c-MYC G-Quadruplex Binders: Design, Synthesis, and Anticancer Activity of Drug-like Imidazo[2,1-i]purine Derivatives. Journal of Medicinal Chemistry, 2020, 63, 2035-2050.	6.4	35
20	A Concise Synthesis of Pyrazole Analogues of Combretastatinâ€…A1 as Potent Antiâ€Tubulin Agents. ChemMedChem, 2013, 8, 633-643.	3.2	30
21	The hitchhikerâ€™s guide to the chemical-biological galaxy. Drug Discovery Today, 2018, 23, 565-574.	6.4	27
22	Identification of Novel Antitubulin Agents by Using a Virtual Screening Approach Based on a 7â€Point Pharmacophore Model of the Tubulin Colchiâ€Site. Chemical Biology and Drug Design, 2011, 78, 913-922.	3.2	25
23	The adverse outcome pathway (<scp>AOP</scp>) for chemical binding to tubulin in oocytes leading to aneuploid offspring. Environmental and Molecular Mutagenesis, 2016, 57, 87-113.	2.2	25
24	A multicomponent approach in the discovery of indoleamine 2,3-dioxygenase 1 inhibitors: Synthesis, biological investigation and docking studies. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 651-657.	2.2	24
25	Molecular Field Analysis and 3D-Quantitative Structureâ^'Activity Relationship Study (MFA 3D-QSAR) Unveil Novel Features of Bile Acid Recognition at TGR5. Journal of Chemical Information and Modeling, 2008, 48, 1792-1801.	5.4	23
26	Structural investigations on orotate phosphoribosyltransferase from Mycobacterium tuberculosis, a key enzyme of the de novo pyrimidine biosynthesis. Scientific Reports, 2017, 7, 1180.	3.3	23
27	Psychotropic Drugs Show Anticancer Activity by Disrupting Mitochondrial and Lysosomal Function. Frontiers in Oncology, 2020, 10, 562196.	2.8	23
28	ZINClick: A Database of 16 Million Novel, Patentable, and Readily Synthesizable 1,4-Disubstituted Triazoles. Journal of Chemical Information and Modeling, 2014, 54, 396-406.	5.4	22
29	Crystal structure of human nicotinic acid phosphoribosyltransferase. FEBS Open Bio, 2015, 5, 419-428.	2.3	22
30	Multicomponent Reaction of Z-Chlorooximes, Isocyanides, and Hydroxylamines as Hypernucleophilic Traps. A One-Pot Route to Aminodioximes and Their Transformation into 5-Amino-1,2,4-oxadiazoles by Mitsunobuâ€“Beckmann Rearrangement. Journal of Organic Chemistry, 2015, 80, 9652-9661.	3.2	21
31	Identification of a Potent Phosphoinositide 3â€Kinase Pan Inhibitor Displaying a Strategic Carboxylic Acid Group and Development of Its Prodrugs. ChemMedChem, 2017, 12, 1542-1554.	3.2	20
32	Structure activity relationship studies on Amb639752: toward the identification of a common pharmacophoric structure for DGKÎ± inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 96-108.	5.2	20
33	Photocatalytic Isocyanide-Based Multicomponent Domino Cascade toward the Stereoselective Formation of Iminofurans. Journal of Organic Chemistry, 2020, 85, 1981-1990.	3.2	20
34	Identification of a novel DGKÎ± inhibitor for XLP-1 therapy by virtualÂscreening. European Journal of Medicinal Chemistry, 2019, 164, 378-390.	5.5	19
35	Essential Medicinal Chemistry of Essential Medicines. Journal of Medicinal Chemistry, 2020, 63, 10170-10187.	6.4	19
36	Interdomain interactions rearrangements control the reaction steps of a thermostable DNA alkyltransferase. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 86-96.	2.4	18

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37	Synthesis, Docking and Biological Evaluation of a Novel Class of Imidazothiazoles as IDO1 Inhibitors. Molecules, 2019, 24, 1874.	3.8	18
38	Groebke multicomponent reaction and subsequent nucleophilic aromatic substitution for a convenient synthesis of 3,8-diaminoimidazo[1,2-a]pyrazines as potential kinase inhibitors. Organic and Biomolecular Chemistry, 2011, 9, 4144.	2.8	15
39	Descriptive structureâ€“separation relationship studies in chiral ligandâ€exchange chromatography. Journal of Separation Science, 2008, 31, 2395-2403.	2.5	14
40	Rational Discovery of (+) (S) Abscisic Acid as a Potential Antifungal Agent: a Repurposing Approach. Scientific Reports, 2018, 8, 8565.	3.3	14
41	Parallel Synthesis of â€œClickâ€•Chalcones as Antitubulin Agents. Medicinal Chemistry, 2013, 9, 510-516.	1.5	14
42	Crystal structure of a thermophilic O6-alkylguanine-DNA alkyltransferase-derived self-labeling protein-tag in covalent complex with a fluorescent probe. Biochemical and Biophysical Research Communications, 2018, 500, 698-703.	2.1	12
43	Haptic-driven applications to molecular modeling: state-of-the-art and perspectives. Future Medicinal Chemistry, 2012, 4, 1219-1228.	2.3	11
44	Whatâ€™s in a Name? Drug Nomenclature and Medicinal Chemistry Trends using INN Publications. Journal of Medicinal Chemistry, 2021, 64, 4410-4429.	6.4	11
45	Solution-Phase Parallel Synthesis of Aryloxyimino Amides via a Novel Multicomponent Reaction among Aromatic (Z)-Chlorooximes, Isocyanides, and Electron-Deficient Phenols. ACS Combinatorial Science, 2014, 16, 602-605.	3.8	9
46	Structural biology in antiviral drug discovery. Current Opinion in Pharmacology, 2016, 30, 116-130.	3.5	9
47	Therapeutic peptides for the treatment of cystic fibrosis: Challenges and perspectives. European Journal of Medicinal Chemistry, 2021, 213, 113191.	5.5	8
48	ZINClick v.18: Expanding Chemical Space of 1,2,3-Triazoles. Journal of Chemical Information and Modeling, 2019, 59, 1697-1702.	5.4	7
49	A Practical Synthesis of 5-Aroyl-1-aryltetrazoles Using an Ugi-Like 4-Component Reaction Followed by a Biomimetic Transamination. Synthesis, 2010, 2010, 4107-4118.	2.3	6
50	The SNAP-tag technology revised: an effective chemo-enzymatic approach by using a universal azide-based substrate. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 85-97.	5.2	6
51	Small Molecule Inhibitors of West Nile Virus. Antiviral Chemistry and Chemotherapy, 2014, 23, 179-187.	0.6	5
52	The Guareschi Pyridine Scaffold as a Valuable Platform for the Identification of Selective PI3K Inhibitors. Molecules, 2015, 20, 17275-17287.	3.8	5
53	An in-silico approach aimed to clarify the role of Y181C and K103N HIV-1 reverse transcriptase mutations versus Indole Aryl Sulphones. Journal of Molecular Graphics and Modelling, 2016, 63, 49-56.	2.4	4
54	The [1,2,4]Triazolo[4,3â€a]pyridine as a New Player in the Field of IDO1 Catalytic Holoâ€Inhibitors. ChemMedChem, 2021, 16, 3439-3450.	3.2	4

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55	De novo computer-aided design of novel antiviral agents. Drug Discovery Today: Technologies, 2012, 9, e213-e218.	4.0	2
56	Investigation of the Click-Chemical Space for Drug Design Using ZINClick. Methods in Molecular Biology, 2021, 2266, 3-10.	0.9	2
57	Chemical-Biology Space Explorationâ€¦ To Go Where No Drug Has Gone Before!. , 2018, , .		0