Francesco Leonetti

List of Publications by Citations

58 papers	2,746 citations	28 h-index	52 g-index
65 ext. papers	3,060 ext. citations	5.9 avg, IF	4.68 L-index

#	Paper	IF	Citations
58	Substrate profiling of cysteine proteases using a combinatorial peptide library identifies functionally unique specificities. *Journal of Biological Chemistry*, **2006**, 281, 12824-32	5.4	304
57	Coumarins derivatives as dual inhibitors of acetylcholinesterase and monoamine oxidase. *Journal of Medicinal Chemistry*, **2001**, 44, 3195-8	8.3	242
56	Coumarin: A Natural, Privileged and Versatile Scaffold for Bioactive Compounds. *Molecules*, **2018**, 23,	4.8	231
55	Synthesis of positional-scanning libraries of fluorogenic peptide substrates to define the extended substrate specificity of plasmin and thrombin. *Nature Biotechnology*, **2000**, 18, 187-93	44.5	223
54	Inhibition of monoamine oxidases by functionalized coumarin derivatives: biological activities, QSARs, and 3D-QSARs. *Journal of Medicinal Chemistry*, **2000**, 43, 4747-58	8.3	219
53	Expedient solid-phase synthesis of fluorogenic protease substrates using the 7-amino-4-carbamoylmethylcoumarin (ACC) fluorophore. *Journal of Organic Chemistry*, **2002**, 67, 910-5	4.2	125
52	Design, synthesis, and 3D QSAR of novel potent and selective aromatase inhibitors. *Journal of Medicinal Chemistry*, **2004**, 47, 6792-803	8.3	97
51	Structural insights into monoamine oxidase inhibitory potency and selectivity of 7-substituted coumarins from ligand- and target-based approaches. *Journal of Medicinal Chemistry*, **2006**, 49, 4912-25	8.3	92
50	Discovery of a novel class of potent coumarin monoamine oxidase B inhibitors: development and biopharmacological profiling of 7-[(3-chlorobenzyl)oxy]-4-[(methylamino)methyl]-2H-chromen-2-one methanesulfonate (NW-1772) as a highly potent, selective, reversible, and orally active monoamine oxidase B inhibitor. *Journal of*	8.3	83
49	Impact of species-dependent differences on screening, design, and development of MAO B inhibitors. *Journal of Medicinal Chemistry*, **2006**, 49, 6264-72	8.3	72
48	Design, synthesis and biological evaluation of coumarin alkylamines as potent and selective dual binding site inhibitors of acetylcholinesterase. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 146-52	3.4	70
47	Design, synthesis, and biological evaluation of imidazolyl derivatives of 4,7-disubstituted coumarins as aromatase inhibitors selective over 17-□hydroxylase/C17-20 lyase. *Journal of Medicinal Chemistry*, **2011**, 54, 1613-25	8.3	63
46	Homo- and hetero-bivalent edrophonium-like ammonium salts as highly potent, dual binding site AChE inhibitors. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 7450-6	3.4	57
45	CAFs and TGF-□Signaling Activation by Mast Cells Contribute to Resistance to Gemcitabine/Nabpaclitaxel in Pancreatic Cancer. *Cancers*, **2019**, 11,	6.6	55
44	Design, synthesis, and biological evaluation of coumarin derivatives tethered to an edrophonium-like fragment as highly potent and selective dual binding site acetylcholinesterase inhibitors. *ChemMedChem*, **2010**, 5, 1616-30	3.7	51
43	Benzodiazepine-induced superoxide signalsB cell apoptosis: mechanistic insight and potential therapeutic utility. *Journal of Clinical Investigation*, **2002**, 110, 1123-1132	15.9	46
42	An integrated approach to ligand- and structure-based drug design: development and application to a series of serine protease inhibitors. *Journal of Chemical Information and Modeling*, **2008**, 48, 1211-26	6.1	43

41	Attenuation of autoimmune disease in Fas-deficient mice by treatment with a cytotoxic benzodiazepine. *Arthritis and Rheumatism*, **2003**, 48, 757-66		40
40	Solid-phase synthesis and insights into structure-activity relationships of safinamide analogues as potent and selective inhibitors of type B monoamine oxidase. *Journal of Medicinal Chemistry*, **2007**, 50, 4909-16	8.3	39
39	Screening of matrix metalloproteinases available from the protein data bank: insights into biological functions, domain organization, and zinc binding groups. *Journal of Chemical Information and Modeling*, **2007**, 47, 2439-48	6.1	37
38	A New Approach for Drug Target and Bioactivity Prediction: The Multifingerprint Similarity Search Algorithm (MuSSeL). *Journal of Chemical Information and Modeling*, **2019**, 59, 586-596	6.1	36
37	Homodimeric bis-quaternary heterocyclic ammonium salts as potent acetyl- and butyrylcholinesterase inhibitors: a systematic investigation of the influence of linker and cationic heads over affinity and selectivity. *Journal of Medicinal Chemistry*, **2011**, 54, 2627-45	8.3	35
36	An updated patent review on P-glycoprotein inhibitors (2011-2018). *Expert Opinion on Therapeutic Patents*, **2019**, 29, 455-461	6.8	33
35	Strategies to Improve Cancer Immune Checkpoint Inhibitors Efficacy, Other Than Abscopal Effect: A Systematic Review. *Cancers*, **2019**, 11,	6.6	32
34	Design, synthesis and biological evaluation of 5-hydroxy, 5-substituted-pyrimidine-2,4,6-triones as potent inhibitors of gelatinases MMP-2 and MMP-9. *European Journal of Medicinal Chemistry*, **2012**, 58, 368-76	6.8	32
33	Synthesis and monoamine oxidase inhibitory activity of new pyridazine-, pyrimidine- and 1,2,4-triazine-containing tricyclic derivatives. *Journal of Medicinal Chemistry*, **2007**, 50, 5364-71	8.3	31
32	Microwave-assisted solid phase synthesis of Imatinib, a blockbuster anticancer drug. *Tetrahedron Letters*, **2007**, 48, 3455-3458	2	31
31	Potent galloyl-based selective modulators targeting multidrug resistance associated protein 1 and P-glycoprotein. *Journal of Medicinal Chemistry*, **2012**, 55, 424-36	8.3	30
30	Computational methods for the design of potent aromatase inhibitors. *Expert Opinion on Drug Discovery*, **2013**, 8, 395-409	6.2	26
29	Strategies of multi-objective optimization in drug discovery and development. *Expert Opinion on Drug Discovery*, **2011**, 6, 871-84	6.2	25
28	1,3-Dialkyl-8-(hetero)aryl-9-OH-9-deazaxanthines as potent A2B adenosine receptor antagonists: design, synthesis, structure-affinity and structure-selectivity relationships. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 9780-9	3.4	21
27	Discovery of new 7-substituted-4-imidazolylmethyl coumarins and 4Ssubstituted-2-imidazolyl acetophenones open analogues as potent and selective inhibitors of steroid-11Ehydroxylase. *European Journal of Medicinal Chemistry*, **2015**, 89, 106-14	6.8	20
26	Trimethoxybenzanilide-based P-glycoprotein modulators: an interesting case of lipophilicity tuning by intramolecular hydrogen bonding. *Journal of Medicinal Chemistry*, **2014**, 57, 6403-18	8.3	20
25	Fast and highly efficient one-pot synthesis of 9-deazaxanthines. *Tetrahedron Letters*, **2003**, 44, 2121-2123		20
24	Mind the Gap! A Journey towards Computational Toxicology. *Molecular Informatics*, **2016**, 35, 294-308	3.8	20

23	Solid phase synthesis of a molecular library of pyrimidines, pyrazoles, and isoxazoles with biological potential. *Tetrahedron Letters*, **2010**, 51, 1702-1705	2	14
22	Design, Biological Evaluation, and Molecular Modeling of Tetrahydroisoquinoline Derivatives: Discovery of A Potent P-Glycoprotein Ligand Overcoming Multidrug Resistance in Cancer Stem Cells. *Journal of Medicinal Chemistry*, **2019**, 62, 974-986	8.3	13
21	Insights into the complex formed by matrix metalloproteinase-2 and alloxan inhibitors: molecular dynamics simulations and free energy calculations. *PLoS ONE*, **2011**, 6, e25597	3.7	12
20	Structure activity studies of a novel cytotoxic benzodiazepine. *Bioorganic and Medicinal Chemistry Letters*, **2003**, 13, 3327-30	2.9	12
19	TSPO-targeted NIR-fluorescent ultra-small iron oxide nanoparticles for glioblastoma imaging. *European Journal of Pharmaceutical Sciences*, **2019**, 139, 105047	5.1	10
18	Ion Channels in Drug Discovery and Safety Pharmacology. *Methods in Molecular Biology*, **2018**, 1800, 313-326	1.4	10
17	Bcr-Abl Tyrosine Kinase Inhibitors in the Treatment of Pediatric CML. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
16	Toward a fragment-based approach to MMPs inhibitors: an expedite and efficient synthesis of N-hydroxylactams. *Tetrahedron Letters*, **2012**, 53, 4114-4116	2	8
15	Discovery of a Potent and Selective Hetero-Bivalent AChE Inhibitor via Bioisosteric Replacement. *Molecular Informatics*, **2011**, 30, 133-6	3.8	8
14	Investigating Structural Requirements for the Antiproliferative Activity of Biphenyl Nicotinamides. *ChemMedChem*, **2017**, 12, 1380-1389	3.7	6
13	Screening of benzamidine-based thrombin inhibitors via a linear interaction energy in continuum electrostatics model. *Journal of Computer-Aided Molecular Design*, **2010**, 24, 117-29	4.2	6
12	Synthesis of potential dual binding site acetylcholinesterase inhibitors through an efficient solid phase approach based on the Mitsunobu reaction. *Arkivoc*, **2004**, 2004, 272-285	0.9	6
11	Molecular Docking for Predictive Toxicology. *Methods in Molecular Biology*, **2018**, 1800, 181-197	1.4	6
10	Multitarget-directed tricyclic pyridazinones as G protein-coupled receptor ligands and cholinesterase inhibitors. *ChemMedChem*, **2015**, 10, 1054-70	3.7	5
9	Strategies of Virtual Screening in Medicinal Chemistry. *International Journal of Quantitative Structure-Property Relationships*, **2018**, 3, 134-160	1.2	5
8	Bcr-Abl Allosteric Inhibitors: Where We Are and Where We Are Going to. *Molecules*, **2020**, 25,	4.8	4
7	Molecular Characterization of a Long-Term Survivor Double Metastatic Non-Small Cell Lung Cancer and Pancreatic Ductal Adenocarcinoma Treated with Gefitinib in Combination with Gemcitabine Plus Nab-Paclitaxel and mFOLFOX6 as First and Second Line Therapy. *Cancers*, **2019**, 11,	6.6	3
6	Galloyl benzamide-based compounds modulating tumour necrosis factor-stimulated c-Jun N-terminal kinase and p38 mitogen-activated protein kinase signalling pathways. *Journal of Pharmacy and Pharmacology*, **2015**, 67, 1380-92	4.8	3

List of Publications

5	Design, synthesis, biological evaluation, NMR and DFT studies of structurally simplified trimethoxy benzamides as selective P-glycoprotein inhibitors: the role of molecular flatness. *Chemical Biology and Drug Design*, **2016**, 88, 820-831	2.9	3
4	Automated identification of structurally heterogeneous and patentable antiproliferative hits as potential tubulin inhibitors. *Chemical Biology and Drug Design*, **2018**, 92, 1161-1170	2.9	1
3	Hydroxy-Propil-Cyclodextrin Inclusion Complexes of two Biphenylnicotinamide Derivatives: Formulation and Anti-Proliferative Activity Evaluation in Pancreatic Cancer Cell Models. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
2	Strategies of Virtual Screening in Medicinal Chemistry **2020**, 194-225		0
1	Development of purified glycogen derivatives as siRNA nanovectors. *International Journal of Pharmaceutics*, **2021**, 608, 121128	6.5	0