Leonardo Pisani

List of Publications by Citations

56 papers	1,946 citations	24 h-index	43 g-index
60 ext. papers	2,290 ext. citations	4.8 avg, IF	4.53 L-index

#	Paper	IF	Citations
56	Structures of human monoamine oxidase B complexes with selective noncovalent inhibitors: safinamide and coumarin analogs. *Journal of Medicinal Chemistry*, **2007**, 50, 5848-52	8.3	387
55	Coumarin: A Natural, Privileged and Versatile Scaffold for Bioactive Compounds. *Molecules*, **2018**, 23,	4.8	231
54	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
53	Structure-Based Design and Optimization of Multitarget-Directed 2H-Chromen-2-one Derivatives as Potent Inhibitors of Monoamine Oxidase B and Cholinesterases. *Journal of Medicinal Chemistry*, **2015**, 58, 5561-78	8.3	71
52	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
51	Targeting monoamine oxidases with multipotent ligands: an emerging strategy in the search of new drugs against neurodegenerative diseases. *Current Medicinal Chemistry*, **2011**, 18, 4568-87	4.3	66
50	Exploring Basic Tail Modifications of Coumarin-Based Dual Acetylcholinesterase-Monoamine Oxidase B Inhibitors: Identification of Water-Soluble, Brain-Permeant Neuroprotective Multitarget Agents. *Journal of Medicinal Chemistry*, **2016**, 59, 6791-806	8.3	63
49	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
48	5-aroyl-3,4-dihydropyrimidin-2-one library generation via automated sequential and parallel microwave-assisted synthesis techniques. *ACS Combinatorial Science*, **2007**, 9, 415-21		60
47	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
46	Quinolizidinyl derivatives of bi- and tricyclic systems as potent inhibitors of acetyl- and butyrylcholinesterase with potential in Alzheimer□s disease. *European Journal of Medicinal Chemistry*, **2011**, 46, 2170-84	6.8	53
45	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
44	Potent inhibitors of human LAT1 (SLC7A5) transporter based on dithiazole and dithiazine compounds for development of anticancer drugs. *Biochemical Pharmacology*, **2017**, 143, 39-52	6	47
43	In silico design of novel 2H-chromen-2-one derivatives as potent and selective MAO-B inhibitors. *European Journal of Medicinal Chemistry*, **2015**, 89, 98-105	6.8	45
42	Discovery, biological evaluation, and structure-activity and -selectivity relationships of 6□substituted (E)-2-(benzofuran-3(2H)-ylidene)-N-methylacetamides, a novel class of potent and selective monoamine oxidase inhibitors. *Journal of Medicinal Chemistry*, **2013**, 56, 2651-64	8.3	42
41	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
40	Multitarget Therapeutic Leads for Alzheimer□s Disease: Quinolizidinyl Derivatives of Bi- and Tricyclic Systems as Dual Inhibitors of Cholinesterases and □Amyloid (A□) Aggregation. *ChemMedChem*, **2015**, 10, 1040-53	3.7	38

39	Searching for Multi-Targeting Neurotherapeutics against Alzheimer's: Discovery of Potent AChE-MAO B Inhibitors through the Decoration of the 2H-Chromen-2-one Structural Motif. *Molecules*, **2016**, 21, 362	4.8	37
38	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
37	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
36	Fine molecular tuning at position 4 of 2H-chromen-2-one derivatives in the search of potent and selective monoamine oxidase B inhibitors. *European Journal of Medicinal Chemistry*, **2013**, 70, 723-39	6.8	31
35	Design, biological evaluation and X-ray crystallography of nanomolar multifunctional ligands targeting simultaneously acetylcholinesterase and glycogen synthase kinase-3. *European Journal of Medicinal Chemistry*, **2019**, 168, 58-77	6.8	31
34	Investigating alkyl nitrates as nitric oxide releasing precursors of multitarget acetylcholinesterase-monoamine oxidase B inhibitors. *European Journal of Medicinal Chemistry*, **2019**, 161, 292-309	6.8	28
33	A rational approach to elucidate human monoamine oxidase molecular selectivity. *European Journal of Pharmaceutical Sciences*, **2017**, 101, 90-99	5.1	24
32	Mannich base approach to 5-methoxyisatin 3-(4-isopropylphenyl)hydrazone: A water-soluble prodrug for a multitarget inhibition of cholinesterases, beta-amyloid fibrillization and oligomer-induced cytotoxicity. *European Journal of Pharmaceutical Sciences*, **2017**, 109, 381-388	5.1	22
31	Investigating 1,2,3,4,5,6-hexahydroazepino[4,3-b]indole as scaffold of butyrylcholinesterase-selective inhibitors with additional neuroprotective activities for Alzheimer's disease. *European Journal of Medicinal Chemistry*, **2019**, 177, 414-424	6.8	20
30	Discovery of new 7-substituted-4-imidazolylmethyl coumarins and 4'-substituted-2-imidazolyl acetophenones open analogues as potent and selective inhibitors of steroid-11β-hydroxylase. *European Journal of Medicinal Chemistry*, **2015**, 89, 106-14	6.8	20
29	Mind the Gap! A Journey towards Computational Toxicology. *Molecular Informatics*, **2016**, 35, 294-308	3.8	20
28	Structure-property relationship study of the HPLC enantioselective retention of neuroprotective 7-[(1-alkylpiperidin-3-yl)methoxy]coumarin derivatives on an amylose-based chiral stationary phase. *Journal of Separation Science*, **2018**, 41, 1376-1384	3.4	19
27	Discovery of Potent Dual Binding Site Acetylcholinesterase Inhibitors via Homo- and Heterodimerization of Coumarin-Based Moieties. *ChemMedChem*, **2017**, 12, 1349-1358	3.7	18
26	Solid phase synthesis of a molecular library of pyrimidines, pyrazoles, and isoxazoles with biological potential. *Tetrahedron Letters*, **2010**, 51, 1702-1705	2	14
25	Insights into Structure-Activity Relationships of 3-Arylhydrazonoindolin-2-One Derivatives for Their Multitarget Activity on β-Amyloid Aggregation and Neurotoxicity. *Molecules*, **2018**, 23,	4.8	12
24	A Prospective Repurposing of Dantrolene as a Multitarget Agent for Alzheimer's Disease. *Molecules* , **2019**, 24,	4.8	12
23	New strategies in the chemotherapy of leukemia: eradicating cancer stem cells in chronic myeloid leukemia. *Current Cancer Drug Targets*, **2012**, 12, 571-96	2.8	10
22	BCR-ABL inhibitors in chronic myeloid leukemia: process chemistry and biochemical profile. *Current Medicinal Chemistry*, **2011**, 18, 2943-59	4.3	9

21	Toward a fragment-based approach to MMPs inhibitors: an expedite and efficient synthesis of N-hydroxylactams. *Tetrahedron Letters*, **2012**, 53, 4114-4116	2	8
20	Discovery of a Potent and Selective Hetero-Bivalent AChE Inhibitor via Bioisosteric Replacement. *Molecular Informatics*, **2011**, 30, 133-6	3.8	8
19	Rational Redesign of Monoamine Oxidase A into a Dehydrogenase to Probe ROS in Cardiac Aging. *ACS Chemical Biology*, **2020**, 15, 1795-1800	4.9	7
18	Chasing ChEs-MAO B Multi-Targeting 4-Aminomethyl-7-Benzyloxy-2-Chromen-2-ones. *Molecules*, **2019**, 24,	4.8	7
17	1,2,3,4-Tetrahydroisoquinoline/2H-chromen-2-one conjugates as nanomolar P-glycoprotein inhibitors: Molecular determinants for affinity and selectivity over multidrug resistance associated protein 1. *European Journal of Medicinal Chemistry*, **2019**, 161, 433-444	6.8	7
16	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
15	Synthesis of 5-Aroyldihydropyrimidinones via Liebeskind-Srogl Thiol Ester-Boronic Acid Cross-Couplings. *Synlett*, **2007**, 2007, 0043-0046	2.2	6
14	Multitarget-directed tricyclic pyridazinones as G protein-coupled receptor ligands and cholinesterase inhibitors. *ChemMedChem*, **2015**, 10, 1054-70	3.7	5
13	4-Hydroxycoumarins as Michael donors in asymmetric routes to polycyclic coumarins (microreview). *Chemistry of Heterocyclic Compounds*, **2018**, 54, 394-396	1.4	5
12	8-Aminomethyl-7-hydroxy-4-methylcoumarins as Multitarget Leads for Alzheimer's Disease. *ChemistrySelect*, **2016**, 1, 2742-2749	1.8	5
11	3-benzazecine-based cyclic allene derivatives as highly potent P-glycoprotein inhibitors overcoming doxorubicin multidrug resistance. *Future Medicinal Chemistry*, **2019**, 11, 2095-2106	4.1	5
10	Chiral Separation, X-ray Structure, and Biological Evaluation of a Potent and Reversible Dual Binding Site AChE Inhibitor. *ACS Medicinal Chemistry Letters*, **2020**, 11, 869-876	4.3	3
9	Away from Flatness: Unprecedented Nitrogen-Bridged Cyclopenta[]indene Derivatives as Novel Anti-Alzheimer Multitarget Agents. *ACS Chemical Neuroscience*, **2021**, 12, 340-353	5.7	3
8	A New Series of Aryloxyacetic Acids Endowed with Multi-Target Activity towards Peroxisome Proliferator-Activated Receptors (PPARs), Fatty Acid Amide Hydrolase (FAAH), and Acetylcholinesterase (AChE).. *Molecules*, **2022**, 27,	4.8	2
7	Scouting around 1,2,3,4-Tetrahydrochromeno[3,2-c]pyridin-10-ones for Single- and Multitarget Ligands Directed towards Relevant Alzheimer's Targets. *ChemMedChem*, **2020**, 15, 1947-1955	3.7	2
6	Evaluation of Water-Soluble Mannich Base Prodrugs of 2,3,4,5-Tetrahydroazepino[4,3-b]indol-1(6H)-one as Multitarget-Directed Agents for Alzheimer's Disease. *ChemMedChem*, **2021**, 16, 589-598	3.7	2
5	Pharmacophore Modeling and 3D-QSAR Study of Indole and Isatin Derivatives as Antiamyloidogenic Agents Targeting Alzheimer's Disease. *Molecules*, **2020**, 25,	4.8	1
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	First-in-Class Isonipecotamide-Based Thrombin and Cholinesterase Dual Inhibitors with Potential for Alzheimer Disease. *Molecules*, **2021**, 26,	4.8	1
2	Dual Reversible Coumarin Inhibitors Mutually Bound to Monoamine Oxidase B and Acetylcholinesterase Crystal Structures.. *ACS Medicinal Chemistry Letters*, **2022**, 13, 499-506	4.3	0
1	Repositioning of Dantrolene as a Multitarget Agent for Neurodegenerative Diseases. *Proceedings (mdpi)*, **2019**, 22, 7	0.3	