

Loretta Lazzarato

List of Publications by Citations

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71
papers

1,840
citations

23
h-index

41
g-index

77
ext. papers

2,105
ext. citations

5.6
avg, IF

4.14
L-index

#	Paper	IF	Citations
71	Chemokine nitration prevents intratumoral infiltration of antigen-specific T cells. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1949-62	16.6	455
70	Antiinflammatory, gastrosparring, and antiplatelet properties of new NO-donor esters of aspirin. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 747-54	8.3	84
69	Improvement of conventional anti-cancer drugs as new tools against multidrug resistant tumors. <i>Drug Resistance Updates</i> , 2020 , 50, 100682	23.2	72
68	A new class of ibuprofen derivatives with reduced gastrotoxicity. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 3463-8	8.3	63
67	Nitric oxide donor doxorubicins accumulate into Doxorubicin-resistant human colon cancer cells inducing cytotoxicity. <i>ACS Medicinal Chemistry Letters</i> , 2011 , 2, 494-7	4.3	58
66	Mitochondrial-targeting nitrooxy-doxorubicin: a new approach to overcome drug resistance. <i>Molecular Pharmaceutics</i> , 2013 , 10, 161-74	5.6	52
65	NO-donor COX-2 inhibitors. New nitrooxy-substituted 1,5-diarylimidazoles endowed with COX-2 inhibitory and vasodilator properties. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 1449-57	8.3	52
64	Synthesis and biological activity of furoxan derivatives against Mycobacterium tuberculosis. <i>European Journal of Medicinal Chemistry</i> , 2016 , 123, 523-531	6.8	48
63	NO-donor phenols: a new class of products endowed with antioxidant and vasodilator properties. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 2886-97	8.3	43
62	Synthesis and Biological Evaluation of the First Example of NO-Donor Histone Deacetylase Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 994-9	4.3	36
61	H2S-Donating Doxorubicins May Overcome Cardiotoxicity and Multidrug Resistance. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 4881-9	8.3	35
60	Searching for new NO-donor aspirin-like molecules: a new class of nitrooxy-acyl derivatives of salicylic acid. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 1894-903	8.3	34
59	Synthesis and antimalarial activities of some furoxan sulfones and related furazans. <i>European Journal of Medicinal Chemistry</i> , 2005 , 40, 1335-40	6.8	32
58	Mechanistic insights into cyclooxygenase irreversible inactivation by aspirin. <i>ChemMedChem</i> , 2009 , 4, 939-45	3.7	30
57	(Nitrooxyacyloxy)methyl esters of aspirin as novel nitric oxide releasing aspirins. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 5058-68	8.3	30
56	Design, Synthesis, and Characterization of N-Oxide-Containing Heterocycles with in Vivo Sterilizing Antitubercular Activity. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 8647-8660	8.3	29
55	New nitric oxide or hydrogen sulfide releasing aspirins. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 5478-84	8.3	28

54	The furoxan system: design of selective nitric oxide (NO) donor inhibitors of COX-2 endowed with anti-aggregatory and vasodilating activities. <i>Chemistry and Biodiversity</i> , 2005 , 2, 886-900	2.5	28
53	A novel hybrid aspirin-NO-releasing compound inhibits TNF α release from LPS-activated human monocytes and macrophages. <i>Journal of Inflammation</i> , 2008 , 5, 12	6.7	27
52	Methotrexate-Loaded Solid Lipid Nanoparticles: Protein Functionalization to Improve Brain Biodistribution. <i>Pharmaceutics</i> , 2019 , 11,	6.4	25
51	Furazan and furoxan sulfonamides are strong β -carbonic anhydrase inhibitors and potential antiglaucoma agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 3913-21	3.4	25
50	Searching for new NO-donor aspirin-like molecules: Furoxanylacyl derivatives of salicylic acid and related furazans. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 5852-60	3.4	25
49	Michael addition of Grignard reagents to tetraethyl ethenylidenebisphosphonate. <i>Journal of Organometallic Chemistry</i> , 2002 , 650, 77-83	2.3	24
48	Development of a new class of potential antiatherosclerosis agents: NO-donor antioxidants. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 5971-4	2.9	23
47	A Nonmetal-Containing Nitric Oxide Donor Activated with Single-Photon Green Light. <i>Chemistry - A European Journal</i> , 2017 , 23, 9026-9029	4.8	22
46	Designing multitarget anti-inflammatory agents: chemical modulation of the lumiracoxib structure toward dual thromboxane antagonists-COX-2 inhibitors. <i>ChemMedChem</i> , 2012 , 7, 1647-60	3.7	22
45	Synthesis of NO-donor bisphosphonates and their in-vitro action on bone resorption. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 1322-9	8.3	22
44	Light-Tunable Generation of Singlet Oxygen and Nitric Oxide with a Bichromophoric Molecular Hybrid: a Bimodal Approach to Killing Cancer Cells. <i>ChemMedChem</i> , 2016 , 11, 1371-9	3.7	22
43	Synthesis and preliminary pharmacological characterisation of a new class of nitrogen-containing bisphosphonates (N-BPs). <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 2428-38	3.4	21
42	Doxorubicin-antioxidant co-drugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5307-10	2.9	19
41	Fluorescent Nitric Oxide Photodonors Based on BODIPY and Rhodamine Antennae. <i>Chemistry - A European Journal</i> , 2019 , 25, 11080-11084	4.8	18
40	Synthesis and preliminary biological profile of new NO-donor tolbutamide analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 3810-5	2.9	18
39	A nitric oxide-donor furoxan moiety improves the efficacy of edaravone against early renal dysfunction and injury evoked by ischemia/reperfusion. <i>Oxidative Medicine and Cellular Longevity</i> , 2015 , 2015, 804659	6.7	18
38	Water-soluble nitric-oxide-releasing acetylsalicylic acid (ASA) prodrugs. <i>ChemMedChem</i> , 2013 , 8, 1199-2007	3.7	18
37	Structure-Activity Relationship Studies on Tetrahydroisoquinoline Derivatives: [4-(6,7-Dimethoxy-3,4-dihydro-1H-isoquinolin-2-ylmethyl)biphenyl-4-ol] (MC70) Conjugated through Flexible Alkyl Chains with Furazan Moieties Gives Rise to Potent and Selective Ligands of β -glycoprotein. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 6722-36	8.3	17

36	Novel nitro-oxy derivatives of celecoxib for the regulation of colon cancer cell growth. <i>Chemico-Biological Interactions</i> , 2009 , 182, 183-90	5	17
35	Multitarget drugs: Focus on the NO-donor hybrid drugs. <i>Pure and Applied Chemistry</i> , 2008 , 80, 1693-1701	2.1	17
34	Mitochondrial Delivery of Phenol Substructure Triggers Mitochondrial Depolarization and Apoptosis of Cancer Cells. <i>Frontiers in Pharmacology</i> , 2018 , 9, 580	5.6	16
33	Novel antioxidant agents deriving from molecular combination of Vitamin C and NO-donor moieties. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 5199-206	3.4	15
32	A molecular hybrid producing simultaneously singlet oxygen and nitric oxide by single photon excitation with green light. <i>Bioorganic Chemistry</i> , 2019 , 85, 18-22	5.1	15
31	Furoxan Nitric Oxide Donors Disperse <i>Pseudomonas aeruginosa</i> Biofilms, Accelerate Growth, and Repress Pyoverdine Production. <i>ACS Chemical Biology</i> , 2017 , 12, 2097-2106	4.9	14
30	Nitrooxymethyl-substituted analogues of celecoxib: synthesis and pharmacological characterization. <i>Chemistry and Biodiversity</i> , 2009 , 6, 369-79	2.5	14
29	Design, Biological Evaluation, and Molecular Modeling of Tetrahydroisoquinoline Derivatives: Discovery of A Potent P-Glycoprotein Ligand Overcoming Multidrug Resistance in Cancer Stem Cells. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 974-986	8.3	13
28	Structural and biological characterization of new hybrid drugs joining an HDAC inhibitor to different NO-donors. <i>European Journal of Medicinal Chemistry</i> , 2018 , 144, 612-625	6.8	13
27	NO-donor melatonin derivatives: synthesis and in vitro pharmacological characterization. <i>Journal of Pineal Research</i> , 2007 , 42, 371-85	10.4	12
26	A Potent and Selective P-gp Modulator for Altering Multidrug Resistance Due to Pump Overexpression. <i>ChemMedChem</i> , 2016 , 11, 374-6	3.7	11
25	Enhancing doxorubicin anticancer activity with a novel polymeric platform photoreleasing nitric oxide. <i>Biomaterials Science</i> , 2020 , 8, 1329-1344	7.4	10
24	A Molecular Hybrid for Mitochondria-Targeted NO Photodelivery. <i>ChemMedChem</i> , 2018 , 13, 87-96	3.7	10
23	Galactosylated Pro-Drug of Ursodeoxycholic Acid: Design, Synthesis, Characterization, and Pharmacological Effects in a Rat Model of Estrogen-Induced Cholestasis. <i>Molecular Pharmaceutics</i> , 2018 , 15, 21-30	5.6	8
22	Aceclofenac-Galactose Conjugate: Design, Synthesis, Characterization, and Pharmacological and Toxicological Evaluations. <i>Molecular Pharmaceutics</i> , 2018 , 15, 3101-3110	5.6	7
21	Nitrooxyacyl derivatives of salicylic acid: aspirin-like molecules that covalently inactivate cyclooxygenase-1. <i>ChemMedChem</i> , 2011 , 6, 523-30	3.7	7
20	A rapid screening for cytochrome P450 catalysis on new chemical entities: cytochrome P450 BM3 and 1,2,5-oxadiazole derivatives. <i>Journal of Biomolecular Screening</i> , 2013 , 18, 211-8		6
19	Synthesis, chiral HPLC resolution and configuration assignment of 1-phenylglyceryl trinitrate stereomers. <i>Chirality</i> , 2006 , 18, 430-6	2.1	6

18	New furoxan derivatives for the treatment of ocular hypertension. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 479-483	2.9	5
17	Paracetamol-Galactose Conjugate: A Novel Prodrug for an Old Analgesic Drug. <i>Molecular Pharmaceutics</i> , 2019 , 16, 4181-4189	5.6	5
16	Tuning the Hydrophobicity of a Mitochondria-Targeted NO Photodonor. <i>ChemMedChem</i> , 2018 , 13, 1238-1245	3.7	5
15	Combination of PDT and NOPDT with a Tailored BODIPY Derivative. <i>Antioxidants</i> , 2019 , 8,	7.1	5
14	Synthesis physicochemical profile and PAMPA study of new NO-donor edaravone co-drugs. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 841-50	3.4	5
13	Synthesis of some novel organic nitrates and comparative in vitro study of their vasodilator profile. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 4020-5	8.3	4
12	Structure-antioxidant activity relationships in a series of NO-donor phenols. <i>ChemMedChem</i> , 2008 , 3, 1443-8	3.7	4
11	Anti-Pseudomonas activity of 3-nitro-4-phenylfuroxan. <i>Microbiology (United Kingdom)</i> , 2018 , 164, 1557-1566	5.6	4
10	-Dinitroalkyl Benzenes: A Novel Class of IOP-Lowering Agents for the Treatment of Ocular Hypertension. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 1054-1059	4.3	3
9	Tuning NO release of organelle-targeted furoxan derivatives and their cytotoxicity against lung cancer cells. <i>Bioorganic Chemistry</i> , 2021 , 111, 104911	5.1	3
8	NO release regulated by doxorubicin as the green light-harvesting antenna. <i>Chemical Communications</i> , 2020 , 56, 6332-6335	5.8	2
7	Amphiphilic NO-donor antioxidants. <i>ChemMedChem</i> , 2007 , 2, 234-40	3.7	2
6	Can We Exploit β -Lactamases Intrinsic Dynamics for Designing More Effective Inhibitors?. <i>Antibiotics</i> , 2020 , 9,	4.9	2
5	DNA-Targeted NO Release Photoregulated by Green Light. <i>Chemistry - A European Journal</i> , 2020 , 26, 13627-13633	4.8	1
4	Physicochemical profile and in vitro permeation behavior of a new class of non-steroidal anti-inflammatory drug candidates. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 40, 217-21	5.1	1
3	A generator of peroxyxynitrite activatable with red light. <i>Chemical Science</i> , 2021 , 12, 4740-4746	9.4	1
2	Cryo-EM structures of staphylococcal IsdB bound to human hemoglobin reveal the process of heme extraction.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2116708119	11.5	1
1	Galactosylated Prodrugs: A Strategy to Improve the Profile of Nonsteroidal Anti-Inflammatory Drugs. <i>Pharmaceutics</i> , 2022 , 15, 552	5.2	0

