Paolo Lombardi

List of Publications by Citations

65 papers	1,944 citations	24 h-index	42 g-index
68 ext. papers	2,221 ext. citations	4.7 avg, IF	4.49 L-index

#	Paper	IF	Citations
65	Berberine: new perspectives for old remedies. *Biochemical Pharmacology*, **2012**, 84, 1260-7	6	287
64	Berberine, an epiphany against cancer. *Molecules*, **2014**, 19, 12349-67	4.8	158
63	6-Methylenandrosta-1,4-diene-3,17-dione (FCE 24304): a new irreversible aromatase inhibitor. *The Journal of Steroid Biochemistry*, **1988**, 30, 391-4		124
62	Effects of resveratrol, curcumin, berberine and other nutraceuticals on aging, cancer development, cancer stem cells and microRNAs. *Aging*, **2017**, 9, 1477-1536	5.6	112
61	Synthesis of aryl 2-benzofuranyl and aryl 2-indolyl carbinols of high enantiomeric purity via palladium-catalyzed heteroannulation of chiral arylpropargylic alcohols. *Tetrahedron: Asymmetry*, **1996**, 7, 1263-1266		82
60	New developments in antitumor anthracyclines **1997**, 76, 117-24		81
59	Biophysical studies on the effect of the 13 position substitution of the anticancer alkaloid berberine on its DNA binding. *Journal of Physical Chemistry B*, **2012**, 116, 2314-24	3.4	67
58	Exemestane, a new steroidal aromatase inhibitor of clinical relevance. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2002**, 1587, 326-37	6.9	58
57	Doxorubicin disaccharide analogue: apoptosis-related improvement of efficacy in vivo. *Journal of the National Cancer Institute*, **1997**, 89, 1217-23	9.7	56
56	Substituted 1-[benzofuran-2-yl)-phenylmethyl]-imidazoles as potent inhibitors of aromatase in vitro and in female rats in vivo. *Journal of Steroid Biochemistry and Molecular Biology*, **1993**, 44, 675-6	5.1	43
55	A new irreversible aromatase inhibitor, 6-methylenandrosta-1,4-diene-3,17-dione (FCE 24304): antitumor activity and endocrine effects in rats with DMBA-induced mammary tumors. *Cancer Chemotherapy and Pharmacology*, **1989**, 23, 47-50	3.5	40
54	4-Aminoandrostenedione derivatives: a novel class of irreversible aromatase inhibitors. Comparison with FCE 24304 and 4-hydroxyandrostenedione. *Journal of Steroid Biochemistry and Molecular Biology*, **1990**, 37, 369-74	5.1	39
53	Multiple effects of berberine derivatives on colon cancer cells. *BioMed Research International*, **2014**, 2014, 924585	3	38
52	Antiangiogenic and antitumor activities of berberine derivative NAX014 compound in a transgenic murine model of HER2/neu-positive mammary carcinoma. *Carcinogenesis*, **2015**, 36, 1169-79	4.6	37
51	Modulation of the expression of folate cycle enzymes and polyamine metabolism by berberine in cisplatin-sensitive and -resistant human ovarian cancer cells. *International Journal of Oncology*, **2013**, 43, 1269-80	4.4	36
50	Effect of new berberine derivatives on colon cancer cells. *Acta Biochimica Et Biophysica Sinica*, **2015**, 47, 824-33	2.8	35
49	Antitumor effect of novel berberine derivatives in breast cancer cells. *BioFactors*, **2013**, 39, 672-9	6.1	35

48	Metformin influences drug sensitivity in pancreatic cancer cells. *Advances in Biological Regulation*, **2018**, 68, 13-30	6.2	34
47	Large scale preparation of enantiopure S-ketoprofen by biocatalysed kinetic resolution. *Process Biochemistry*, **2002**, 38, 373-377	4.8	34
46	Berberine acts as a natural inhibitor of Wnt/Ecatenin signaling--identification of more active 13-arylalkyl derivatives. *BioFactors*, **2013**, 39, 652-62	6.1	30
45	New anthracycline disaccharides. Synthesis of L-daunosaminyl-(1 -4)-2-deoxy-L-rhamnosyl and of L-daunosaminyl-(1 -4)-2-deoxy-L-fucosyl daunorubicin analogues. *Journal of the Chemical Society Perkin Transactions 1*, **1996**, 1327-1329		27
44	Abilities of berberine and chemically modified berberines to inhibit proliferation of pancreatic cancer cells. *Advances in Biological Regulation*, **2019**, 71, 172-182	6.2	25
43	Synthesis of new 13-diphenylalkyl analogues of berberine and elucidation of their base pair specificity and energetics of DNA binding. *MedChemComm*, **2014**, 5, 226	5	24
42	Recognition of human telomeric G-quadruplex DNA by berberine analogs: effect of substitution at the 9 and 13 positions of the isoquinoline moiety. *Journal of Molecular Recognition*, **2015**, 28, 722-30	2.6	24
41	Role of 13-(di)phenylalkyl berberine derivatives in the modulation of the activity of human topoisomerase IB. *International Journal of Biological Macromolecules*, **2015**, 77, 68-75	7.9	21
40	Effects of berberine, curcumin, resveratrol alone and in combination with chemotherapeutic drugs and signal transduction inhibitors on cancer cells-Power of nutraceuticals. *Advances in Biological Regulation*, **2018**, 67, 190-211	6.2	21
39	Binding of Epstein-Barr virus nuclear antigen 1 to DNA: inhibition by distamycin and two novel distamycin analogues. *European Journal of Pharmacology*, **1994**, 267, 143-9		20
38	Introduction of WT-TP53 into pancreatic cancer cells alters sensitivity to chemotherapeutic drugs, targeted therapeutics and nutraceuticals. *Advances in Biological Regulation*, **2018**, 69, 16-34	6.2	20
37	Killing of tumor cells: a drama in two acts. *Biochemical Pharmacology*, **2011**, 82, 1304-10	6	19
36	New 13-pyridinealkyl berberine analogues intercalate to DNA and induce apoptosis in HepG2 and MCF-7 cells through ROS mediated p53 dependent pathway: biophysical, biochemical and molecular modeling studies. *RSC Advances*, **2015**, 5, 90632-90644	3.7	18
35	Solution and Solid-State Analysis of Binding of 13-Substituted Berberine Analogues to Human Telomeric G-quadruplexes. *Chemistry - an Asian Journal*, **2016**, 11, 1107-15	4.5	18
34	Synthesen der diastereoisomeren Caparrapioxide. *Helvetica Chimica Acta*, **1976**, 59, 1158-1168	2	17
33	Abilities of berberine and chemically modified berberines to interact with metformin and inhibit proliferation of pancreatic cancer cells. *Advances in Biological Regulation*, **2019**, 73, 100633	6.2	15
32	Antimalarial activity of synthetic analogues of distamycin **1997**, 76, 125-33		15
31	Synthesis of two distamycin analogues and their binding mode to d(CGCAAATTTGCG)2 in the 2:1 solution complexes as determined by two-dimensional 1H-NMR. *Journal of Medicinal Chemistry*, **1995**, 38, 1140-9	8.3	14

30	A preliminary comparison between hydrogenase and oxygen as electron acceptors in irradiated aqueous dispersion of titanium dioxide. *Journal of Photochemistry and Photobiology A: Chemistry*, **2002**, 148, 199-204	4.7	13
29	Synthesis and biological evaluation of novel NK-1 tachykinin receptor antagonists: the use of cycloalkyl amino acids as a template. *Biopolymers*, **1995**, 36, 511-24	2.2	13
28	Total synthesis of thia analogues of clavulanic acid. *Tetrahedron Letters*, **1979**, 20, 3777-3780	2	13
27	Pyridine Derivative of the Natural Alkaloid Berberine as Human Telomeric G-DNA Binder: A Solution and Solid-State Study. *ACS Medicinal Chemistry Letters*, **2020**, 11, 645-650	4.3	12
26	Determination of absolute configuration of the derivative from 2-[4-(1-oxo-2-isoindolinyl)-phenyl]-propionic acid and R-(+)-1-phenylethylamine by 1H-NMR spectroscopy; use of shift reagent with diastereoisomeric amides. *Tetrahedron Letters*, **1980**, 21, 2273-2276	2	11
25	A new route to optically active 4-acyloxy azetidin-2-ones. *Tetrahedron Letters*, **1978**, 19, 4059-4062	2	11
24	Targeting human telomeric DNA quadruplex with novel berberrubine derivatives: insights from spectroscopic and docking studies. *Journal of Biomolecular Structure and Dynamics*, **2019**, 37, 1375-1389	3.6	11
23	Antitumor activity of NAX060: A novel semisynthetic berberine derivative in breast cancer cells. *BioFactors*, **2018**, 44, 443-452	6.1	10
22	Calorimetry and thermal analysis studies on the binding of 13-phenylalkyl and 13-diphenylalkyl berberine analogs to tRNAphe. *Journal of Thermal Analysis and Calorimetry*, **2014**, 118, 461-473	4.1	9
21	Spectroscopic studies on the binding interaction of novel 13-phenylalkyl analogs of the natural alkaloid berberine to nucleic acid triplexes. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 120, 257-64	4.4	9
20	From the penicillin to the nocardicin skeleton: an alternative route. *Journal of the Chemical Society Chemical Communications*, **1978**, 1101		9
19	Heteroring-Annulated Pyrrolino-Tetrahydroberberine Analogues. *Asian Journal of Organic Chemistry*, **2017**, 6, 720-727	3	8
18	Potential application of berberine in the treatment of sepsis. *Natural Product Research*, **2021**, 35, 4779-4784	2.3	8
17	Distamycin A and derivatives as synergic drugs in cisplatin-sensitive and -resistant ovarian cancer cells. *Amino Acids*, **2012**, 42, 641-53	3.5	8
16	Backbone and benzoyl mustard carrying moiety modifies DNA interactions of distamycin analogues. *Nucleic Acids Research*, **1996**, 24, 311-5	20.1	8
15	Distamycin analogues with improved sequence-specific DNA binding activities. *Biochemical Pharmacology*, **1994**, 48, 1583-91	6	8
14	Synthesis and biological evaluation of novel heteroring-annulated pyrrolino-tetrahydroberberine analogues as antioxidant agents. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 5037-5044	3.4	8
13	Effects of the MDM-2 inhibitor Nutlin-3a on PDAC cells containing and lacking WT-TP53 on sensitivity to chemotherapy, signal transduction inhibitors and nutraceuticals. *Advances in Biological Regulation*, **2019**, 72, 22-40	6.2	7

List of Publications

12	Conformational analysis of 4-demethoxy-7-O-[2,6-dideoxy-4-O-(2,3,6-trideoxy-3-amino-α-L-lyxo-hexopyranosyl)-α-L-lyxo-hexopyranosyl]adriamicinone, the first doxorubicin disaccharide analogue to be reported. *Carbohydrate Research*, **1997**, 300, 11-16	2.9	7
11	4-tetrahydropyranthioazetidinyl phosphoranes: Versatile intermediates in the synthesis of 2-penems. *Tetrahedron Letters*, **1981**, 22, 355-358	2	7
10	Calorimetric insights into the interaction of novel berberrubine derivatives with human telomeric G-quadruplex DNA sequence. *Journal of Thermal Analysis and Calorimetry*, **2018**, 132, 623-630	4.1	5
9	Biological activity and DNA Sequence Specificity of Synthetic Carbamoyl Analogues of Distamycin. *Antiviral Chemistry and Chemotherapy*, **1997**, 8, 243-254	3.5	4
8	Cytotoxic and antitumor activity of MEN 10710, a novel alkylating derivative of distamycin. *Anti-Cancer Drugs*, **1997**, 8, 845-52	2.4	4
7	Enhanced Clearance of Neurotoxic Misfolded Proteins by the Natural Compound Berberine and Its Derivatives. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
6	N-formimidoyl analogues of distamycin. *Journal of the Chemical Society Perkin Transactions 1*, **1996**, 1333		3
5	Synthesis and biochemical evaluation of the novel steroid androsta-4,6,8(9)-triene-3,17-dione. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **1990**, 4, 121-9		3
4	Antimetastatic and Antitumor Activities of Orally Administered NAX014 Compound in a Murine Model of HER2-Positive Breast Cancer. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
3	β-4,7-lactams. 1. intermediates for penems synthesis. I. skeletal conversion of penicillanic acid to (+)-2,2,5,5-tetramethyl-9-oxo-3-oxa-6-thia-azabicyclo[5,2,01,7]nonane. *Tetrahedron Letters*, **1981**, 22, 4141-4144	2	2
2	β-4,7-lactams. 1. intermediates for penems synthesis. II. Total synthesis of (+)-2,2-dimethyl-9-oxo-3-oxa-6-thia-1-azabicyclo [5.2.01,7]nonane. *Tetrahedron Letters*, **1981**, 22, 4145-4148	2	2
1	Effects of the MDM2 inhibitor Nutlin-3a on sensitivity of pancreatic cancer cells to berberine and modified berberines in the presence and absence of WT-TP53. *Advances in Biological Regulation*, **2021**, 100840	6.2	0