Marc Le-Borgne

List of Publications by Year
in descending order

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103	2,076	201385	301761
papers	citations	27 h-index	39 g-index

120	120	120	2630
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbazole scaffolds in cancer therapy: a review from 2012 to 2018. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1321-1346.	2.5	96
2	Synthesis and biological evaluation of novel substituted pyrrolo[1,2-a]quinoxaline derivatives as inhibitors of the human protein kinase CK2. European Journal of Medicinal Chemistry, 2013, 65, 205-222.	2.6	83
3	Indeno[1,2-b]indole derivatives as a novel class of potent human protein kinase CK2 inhibitors. Bioorganic and Medicinal Chemistry, 2012, 20, 2282-2289.	1.4	74
4	Synthesis and biological evaluation of 5-[(aryl)(1H-imidazol-1-yl)methyl]-1H-indoles: Potent and selective aromatase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 1134-1137.	1.0	68
5	New selective nonsteroidal aromatase inhibitors: Synthesis and inhibitory activity of 2,3 or 5-(Î±-azolylbenzyl)-1H-indoles. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 333-336.	1.0	67
6	Converting Potent Indeno[1,2-b]indole Inhibitors of Protein Kinase CK2 into Selective Inhibitors of the Breast Cancer Resistance Protein ABCG2. Journal of Medicinal Chemistry, 2015, 58, 265-277.	2.9	61
7	2- and 3-[(Aryl)(azolyl)methyl]indoles as Potential Non-steroidal Aromatase Inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2004, 19, 549-557.	2.5	60
8	Synthesis and antifungal activities of new fluconazole analogues with azaheterocycle moiety. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 3686-3689.	1.0	60
9	Synthesis andIn Vitro Evaluation of 3-(1-Azolylmethyl)-1H-indoles and 3-(1-Azolyl-1-phenylmethyl)-1H-indoles as Inhibitors of P450 arom. Archiv Der Pharmazie, 1997, 330, 141-145.	2.1	54
10	Fragment Linking Strategies for Structure-Based Drug Design. Journal of Medicinal Chemistry, 2020, 63, 11420-11435.	2.9	53
11	Cobaltâ€“Chromium Dental Alloys: Metal Exposures, Toxicological Risks, CMR Classification, and EU Regulatory Framework. Crystals, 2020, 10, 1151.	1.0	51
12	Potential application of plant lipid transfer proteins for drug delivery. Biochemical Pharmacology, 2001, 62, 555-560.	2.0	50
13	Indenoindoles and cyclopentacarbazoles as bioactive compounds: Synthesis and biological applications. European Journal of Medicinal Chemistry, 2013, 69, 465-479.	2.6	43
14	Synthesis and structureâ€“activity relationships of 2-phenyl-1-[(pyridinyl- and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (piperidinyl Medicinal Chemistry Letters, 2009, 19, 301-304.	1.0	42
15	Efficient microwave-assisted synthesis of 1-(1H-indol-1-yl)-2-phenyl-3-(1H-1,2,4-triazol-1-yl)propan-2-ols as antifungal agents. Tetrahedron Letters, 2006, 47, 6479-6483.	0.7	40
16	Synthesis of 6- or 4-functionalized indoles via a reductive cyclization approach and evaluation as aromatase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4713-4715.	1.0	37
17	Preparation and pharmacological profile of 7-(Î±-Azolylbenzyl)-1H-indoles and indolines as new aromatase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1553-1555.	1.0	36
18	Synthesis and antifungal activity of new 1-halogenobenzyl-3-imidazolylmethylindole derivatives. European Journal of Medicinal Chemistry, 2003, 38, 75-87.	2.6	36

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19	A one-pot three-component synthesis of novel Î±-sulfamidophosphonates under ultrasound irradiation and catalyst-free conditions. RSC Advances, 2015, 5, 39324-39329.	1.7	36
20	Synthesis and Preclinical Evaluation of TPA-Based Zinc Chelators as Metallo-Î²-lactamase Inhibitors. ACS Infectious Diseases, 2018, 4, 1407-1422.	1.8	35
21	Biological exploration of a novel 1,2,4-triazole-indole hybrid molecule as antifungal agent. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 398-403.	2.5	35
22	Occurrence of the Synthetic Analgesic Tramadol in an African Medicinal Plant. Angewandte Chemie - International Edition, 2013, 52, 11780-11784.	7.2	34
23	Design, synthesis, and evaluation of 1-(N-benzylamino)-2-phenyl-3-(1H-1,2,4-triazol-1-yl)propan-2-ols as antifungal agents. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1820-1824.	1.0	32
24	1st Joint European Conference on Therapeutic Targets and Medicinal Chemistry (TTMC 2015). Pharmaceuticals, 2016, 9, 1.	1.7	31
25	1D NMR WaterLOGSY as an efficient method for fragment-based lead discovery. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1218-1225.	2.5	31
26	Synthesis, Biological Evaluation and Molecular Modeling of Substituted Indeno[1,2-b]indoles as Inhibitors of Human Protein Kinase CK2. Pharmaceuticals, 2015, 8, 279-302.	1.7	29
27	Novel indeno[1,2-b]indoloquinones as inhibitors of the human protein kinase CK2 with antiproliferative activity towards a broad panel of cancer cell lines. Biochemical and Biophysical Research Communications, 2012, 424, 71-75.	1.0	28
28	Development of Pharmacophore Model for Indeno[1,2-b]indoles as Human Protein Kinase CK2 Inhibitors and Database Mining. Pharmaceuticals, 2017, 10, 8.	1.7	26
29	2-Aminothiazole Derivatives as Selective Allosteric Modulators of the Protein Kinase CK2. 1. Identification of an Allosteric Binding Site. Journal of Medicinal Chemistry, 2019, 62, 1803-1816.	2.9	25
30	Design of new antifungal agents: synthesis and evaluation of 1-[(1H-indol-5-ylmethyl)amino]-2-phenyl-3-(1H-1,2,4-triazol-1-yl)propan-2-ols. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5833-5836.	1.0	22
31	Functional display of heterotetrameric human protein kinase CK2 on Escherichia coli: a novel tool for drug discovery. Microbial Cell Factories, 2015, 14, 74.	1.9	22
32	2-Indolylmethylenebenzofuranones as first effective inhibitors of ABCC2. European Journal of Medicinal Chemistry, 2016, 122, 408-418.	2.6	22
33	Solubility enhancement of mefenamic acid by inclusion complex with Î²-cyclodextrin: in silico modelling, formulation, characterisation, and inÂvitro studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 605-617.	2.5	22
34	Preparation and characterization of CK2 inhibitor-loaded cyclodextrin nanoparticles for drug delivery. International Journal of Pharmaceutics, 2013, 441, 491-498.	2.6	21
35	Adsorption studies of benzophenone-3 onto clay minerals and organosilicates: Kinetics and modelling. Applied Clay Science, 2021, 202, 105937.	2.6	19
36	Phenolic indeno[1,2-b]indoles as ABCG2-selective potent and non-toxic inhibitors stimulating basal ATPase activity. Drug Design, Development and Therapy, 2015, 9, 3481.	2.0	18

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37	Discovery of holoenzyme-disrupting chemicals as substrate-selective CK2 inhibitors. Scientific Reports, 2019, 9, 15893.	1.6	18
38	Diacritic Binding of an Indenoindole Inhibitor by CK2Î± Paralogs Explored by a Reliable Path to Atomic Resolution CK2Î±â€² Structures. ACS Omega, 2019, 4, 5471-5478.	1.6	18
39	Ninhydrins inhibit carbonic anhydrases directly binding to the metal ion. European Journal of Medicinal Chemistry, 2021, 209, 112875.	2.6	18
40	Antileishmanial activities and mechanisms of action of indole-based azoles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 277-283.	2.5	17
41	Design, Synthesis, and inâ€…vitro Antifungal Activity of 1â€[(4â€Substitutedâ€benzyl)methylamino]â€2â€(2,4â€difluorophenyl)â€3â€(1Hâ€1,2,4â€triazolâ€1â€yl)propanâ€2â€ols. ChemMedChem, 2011, 6, 816-825.	1.6	17
42	Biologically active carbazole derivatives: focus on oxazinocarbazoles and related compounds. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 180-188.	2.5	17
43	2-Aminothiazole Derivatives as Selective Allosteric Modulators of the Protein Kinase CK2. 2. Structure-Based Optimization and Investigation of Effects Specific to the Allosteric Mode of Action. Journal of Medicinal Chemistry, 2019, 62, 1817-1836.	2.9	17
44	Mechanistic basis of breast cancer resistance protein inhibition by new indeno[1,2-b]indoles. Scientific Reports, 2021, 11, 1788.	1.6	17
45	Three-dimensional model of cytochrome P450 human aromatase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2005, 20, 581-585.	2.5	16
46	A comparative adsorption study of benzophenone-3 onto synthesized lipophilic organosilicate, Laponite and montmorillonite. Applied Clay Science, 2019, 170, 114-124.	2.6	16
47	Oxidation of sialic acid using hydrogen peroxide as a new method to tune the reducing activity. Carbohydrate Research, 2014, 386, 92-98.	1.1	15
48	Microwave-assisted oxidation of indan-1-ones into ninhydrins. Tetrahedron Letters, 2015, 56, 1840-1842.	0.7	15
49	Toward selective CK2alpha and CK2alphaâ€™ inhibitors: Development of a novel whole-cell kinase assay by Autodisplay of catalytic CK2alphaâ€™. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 253-260.	1.4	15
50	Design, synthesis and evaluation of 3-(imidazol- 1-ylmethyl)indoles as antileishmanial agents. Part II. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1067-1075.	2.5	14
51	In Search of Small Molecule Inhibitors Targeting the Flexible CK2 Subunit Interface. Pharmaceuticals, 2017, 10, 16.	1.7	14
52	Synthesis, Spectroscopic Characterization, and In Vitro Antibacterial Evaluation of Novel Functionalized Sulfamidocarbonyloxyphosphonates. Molecules, 2018, 23, 1682.	1.7	14
53	Unexpected Binding Mode of a Potent Indeno[1,2-b]indole-Type Inhibitor of Protein Kinase CK2 Revealed by Complex Structures with the Catalytic Subunit CK2Î± and Its Paralog CK2Î±â€². Pharmaceuticals, 2017, 10, 98.	1.7	13
54	Synthesis and biological evaluation of zinc chelating compounds as metallo-Î²-lactamase inhibitors. MedChemComm, 2019, 10, 528-537.	3.5	13

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55	Synthesis of New Steroidal Inhibitors of P-Glycoprotein-Mediated Multidrug Resistance and Biological Evaluation on K562/R7 Erythroleukemia Cells. Journal of Medicinal Chemistry, 2015, 58, 1832-1845.	2.9	12
56	Biomimetic synthesis of Tramadol. Chemical Communications, 2015, 51, 14451-14453.	2.2	12
57	The combined use of analytical tools for exploring tetanus toxin and tetanus toxoid structures. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1054, 80-92.	1.2	12
58	Synthesis, Optimization, Antifungal Activity, Selectivity, and CYP51 Binding of New 2-Aryl-3-azolyl-1-indolyl-propan-2-ols. Pharmaceuticals, 2020, 13, 186.	1.7	12
59	Uncompetitive nanomolar dimeric indenoindole inhibitors of the human breast cancer resistance pump ABCG2. European Journal of Medicinal Chemistry, 2021, 211, 113017.	2.6	12
60	Microwave-accelerated multicomponent synthesis and X-ray characterization of novel benzothiadiazinone dioxide derivatives, analogues of Monastrol. Research on Chemical Intermediates, 2021, 47, 1359-1376.	1.3	12
61	Sleep Disorders and Therapeutic Management: A Survey in a French Population of Prisoners. Journal of Correctional Health Care, 2017, 23, 193-202.	0.2	10
62	Synthesis and biological evaluation of new dipicolylamine zinc chelators as metallo-Î²-lactamase inhibitors. Tetrahedron, 2019, 75, 1525-1540.	1.0	10
63	QSAR Model of Indeno[1,2-b]indole Derivatives and Identification of N-isopentyl-2-methyl-4,9-dioxo-4,9-Dihydronaphtho[2,3-b]furan-3-carboxamide as a Potent CK2 Inhibitor. Molecules, 2020, 25, 97.	1.7	10
64	Discovery of 7â€Arylâ€Substituted (1,5â€Naphthyridinâ€4â€yl)ureas as Aurora Kinase Inhibitors. ChemMedChem, 2014, 9, 217-232.	1.6	9
65	Screening of indeno[1,2-b]indoloquinones by MALDI-MS: a new set of potential CDC25 phosphatase inhibitors brought to light. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 25-32.	2.5	9
66	Structure-based design and profiling of novel 17Î²-HSD14 inhibitors. European Journal of Medicinal Chemistry, 2018, 155, 61-76.	2.6	9
67	Improved biological performance of ketoprofen using novel modified halloysite clay nanotubes. Applied Clay Science, 2022, 216, 106341.	2.6	9
68	Synthesis and biological evaluation of 3-(azolylmethyl)-1H-indoles and 3-(Î±-azolylbenzyl)-1H-indoles as selective aromatase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2007, 22, 667-676.	2.5	8
69	Mechanisms of depolymerization and activation of a polysialic acid and its tetramer by hydrogen peroxide. Carbohydrate Polymers, 2015, 115, 494-501.	5.1	8
70	DMAP as a new efficient catalyst for the one-pot synthesis of condensed phthalazines. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 361-368.	0.3	8
71	Inhibition of Shiga toxin-converting bacteriophage development by novel antioxidant compounds. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 639-650.	2.5	8
72	Synthesis and Antileishmanial Activity of 3-Imidazolylalkylindoles. Part I. Journal of Enzyme Inhibition and Medicinal Chemistry, 2004, 19, 451-457.	2.5	7

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73	Structural elucidation of two photolytic degradation products of tetrabenazine. Journal of Pharmaceutical and Biomedical Analysis, 2014, 91, 138-143.	1.4	7
74	Enhancement of iodinin solubility by encapsulation into cyclodextrin nanoparticles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 370-375.	2.5	7
75	Synthesis of new piperazinyl-pyrrolo[1,2-a]quinoxaline derivatives as inhibitors of Candida albicans multidrug transporters by a Buchwaldâ€“Hartwig cross-coupling reaction. RSC Advances, 2020, 10, 2915-2931.	1.7	7
76	Improved Surface Display of Human Hyal1 and Identification of Testosterone Propionate and Chicoric Acid as New Inhibitors. Pharmaceuticals, 2020, 13, 54.	1.7	7
77	Synthesis and Antileishmanial Activity of 3-(Î±-Azolylbenzyl)indoles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2002, 17, 353-358.	2.5	6
78	Discovery of (7-aryl-1,5-naphthyridin-2-yl)ureas as dual inhibitors of ERK2 and Aurora B kinases with antiproliferative activity against cancer cells. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3748-3752.	1.0	6
79	Sequential MCR/Fisher indolization strategy for the construction of polycyclic carbazole derivatives. Tetrahedron Letters, 2017, 58, 1305-1307.	0.7	6
80	Synthesis, X-ray structure, in silico calculation, and carbonic anhydrase inhibitory properties of benzylimidazole metal complexes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1150-1159.	2.5	6
81	Comparison of SEC and AF4 analytical tools for size estimation of typhoid Vi polysaccharides. Analytical Methods, 2019, 11, 4851-4858.	1.3	6
82	Tetanus Toxin Fragment C: Structure, Drug Discovery Research and Production. Pharmaceuticals, 2022, 15, 756.	1.7	6
83	Retinoic Acid Metabolism Inhibition by 3-Azolylmethyl-1H-indoles and 2, 3 or 5-(Î±-Azolylbenzyl)-1H-indoles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2003, 18, 155-158.	2.5	5
84	Self-Assembled Supramolecular Nanoparticles Improve the Cytotoxic Efficacy of CK2 Inhibitor THN7. Pharmaceuticals, 2018, 11, 10.	1.7	5
85	Synthesis, in silico study (DFT, ADMET) and crystal structure of novel sulfamoyloxy-oxazolidinones: Interaction with SARS-CoV-2. Journal of Molecular Structure, 2022, 1257, 132579.	1.8	5
86	In Vitro Activity of a New Antifungal Azolyl-substituted Indole Against Aspergillus fumigatus. Journal of Enzyme Inhibition and Medicinal Chemistry, 2002, 17, 425-429.	2.5	4
87	A safe and practical method for the preparation of 7Î±-thioether and thioester derivatives of spironolactone. Steroids, 2013, 78, 102-107.	0.8	4
88	In vitromodulation of multidrug resistance by pregnane steroids andin vivoinhibition of tumour development by 7Î±-OBz-11Î±(R)-OTHP-5Î²-pregnanedione in K562/R7 and H295R cell xenografts. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 684-691.	2.5	4
89	Broad-Spectrum Anticancer Activity and Pharmacokinetic Properties of a Prenyloxy-Substituted Indeno[1,2-b]indole Derivative, Discovered as CK2 Inhibitor. Pharmaceuticals, 2021, 14, 542.	1.7	4
90	A 3D-QSAR CoMSIA study on 3-azolylmethylindoles as anti-leishmanial agents. SAR and QSAR in Environmental Research, 2006, 17, 299-309.	1.0	3

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91	¹H and ¹³C NMR assignments of bioactive indeno[1,2â€b]indoleâ€10â€one derivatives. Magnetic Resonance in Chemistry, 2013, 51, 837-841.	1.1	3
92	Candidate Molecule Selection Based on In Silico Predicted ADMET Properties of 12 Indenoindole Derivatives. Chemical Informatics (Wilmington, Del), 2016, 02, .	0.4	2
93	Brain safety concerns of nanomedicines: The need for a specific regulatory framework. Drug Discovery Today, 2021, 26, 2502-2507.	3.2	2
94	4,5,7â€Trisubstituted indeno[1,2â€b]indole inhibits CK2 activity in tumor cells equivalent to CXâ€4945 and shows strong antiâ€migratory effects. FEBS Open Bio, 2022, 12, 394-411.	1.0	2
95	An Updated View on an Emerging Target: Selected Papers from the 8th International Conference on Protein Kinase CK2. Pharmaceuticals, 2017, 10, 33.	1.7	1
96	Behaviour of Tetrabenazine in Acid Medium: Reassessment and Impact on Formulation. Pharmaceutics, 2019, 11, 44.	2.0	1
97	Synthesis and Antifungal Activity of New 1-Halogenobenzyl-3-imidazolylmethylindole Derivatives.. ChemInform, 2003, 34, no.	0.1	0
98	Preparation and Pharmacological Profile of 7-(Î±-Azolylbenzyl)-1H-indoles and Indolines as New Aromatase Inhibitors.. ChemInform, 2003, 34, no.	0.1	0
99	P1678 New antiprotozoal drugs refered as antimicrotubular haloacetamidobenzoates. International Journal of Antimicrobial Agents, 2007, 29, S475.	1.1	0
100	81: Targeting casein kinase 2 in drug discovery: identification of new chemical entities. Bulletin Du Cancer, 2010, 97, S68.	0.6	0
101	Advances in peptidomimetics as inhibitors of ABC transporters. , 0, , .		0
102	Crystal structure of 13-phenyl-2,3,4,13-tetrahydro-1H-indazolo[1,2-b]phthalazine-1,6,11-trione. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o1036-o1037.	0.2	0
103	Conformational and dynamic considerations in drug design for G-protein coupled receptors. , 2016, 06, .		0