Ivone Carvalho

List of Publications by Year
in descending order

87 papers	3,639 citations	257450 24 h-index	133252 59 g-index
92 all docs	92 docs citations	92 times ranked	5318 citing authors

#	Article	IF	Citations
1	Neuroprotective Effects of Cholinesterase Inhibitors: Current Scenario in Therapies for Alzheimerâ€™s Disease and Future Perspectives. Journal of Alzheimer's Disease Reports, 2022, 6, 177-193.	2.2	19
2	Improving Cytotoxicity against Breast Cancer Cells by Using Mixed-Ligand Ruthenium(II) Complexes of 2,2'-Bipyridine, Amino Acid, and Nitric Oxide Derivatives as Potential Anticancer Agents. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 1602-1611.	1.7	6
3	Synthesis, biological evaluation and molecular docking studies of novel 1,2,3-triazole-quinazolines as antiproliferative agents displaying ERK inhibitory activity. Bioorganic Chemistry, 2021, 113, 104982.	4.1	7
4	Synthesis of MUC1-derived glycopeptide bearing a novel triazole STn analog. Carbohydrate Research, 2020, 498, 108155.	2.3	1
5	Novel Hybrid Acetylcholinesterase Inhibitors Induce Differentiation and Neuritogenesis in Neuronal Cells in vitro Through Activation of the AKT Pathway. Journal of Alzheimer's Disease, 2020, 78, 353-370.	2.6	3
6	Non-cytotoxic 1,2,3-triazole tethered fused heterocyclic ring derivatives display Tax protein inhibition and impair HTLV-1 infected cells. Bioorganic and Medicinal Chemistry, 2020, 28, 115746.	3.0	2
7	1,2,3-Triazole tethered 2-mercaptobenzimidazole derivatives: design, synthesis and molecular assessment toward C6 glioma cell line. Future Medicinal Chemistry, 2020, 12, 689-708.	2.3	9
8	Carbohydrates in South America 2019 - Preface. Carbohydrate Research, 2020, 497, 108044.	2.3	0
9	Synthesis and Evaluation of [18F]FEtLos and [18F]AMBF3Los as Novel 18F-Labelled Losartan Derivatives for Molecular Imaging of Angiotensin II Type 1 Receptors. Molecules, 2020, 25, 1872.	3.8	3
10	Antitumour Anthracyclines: Progress and Perspectives. ChemMedChem, 2020, 15, 933-948.	3.2	89
11	Iminosugars: Effects of Stereochemistry, Ring Size, and N-Substituents on Glucosidase Activities. Pharmaceuticals, 2019, 12, 108.	3.8	23
12	Galactosyl and sialyl clusters: synthesis and evaluation against T. cruzi parasite. Pure and Applied Chemistry, 2019, 91, 1191-1207.	1.9	3
13	Highly potent and selective aryl-1,2,3-triazolyl benzylpiperidine inhibitors toward butyrylcholinesterase in Alzheimer's disease. Bioorganic and Medicinal Chemistry, 2019, 27, 931-943.	3.0	29
14	Novel glucopyranoside C2-derived 1,2,3-triazoles displaying selective inhibition of O-GlcNAcase (OGA). Carbohydrate Research, 2019, 471, 43-55.	2.3	11
15	Potential Triazole-based Molecules for the Treatment of Neglected Diseases. Current Medicinal Chemistry, 2019, 26, 4403-4434.	2.4	13
16	Synthesis and evaluation of an ¹⁸Fâ€labeled trifluoroborate derivative of 2â€nitroimidazole for imaging tumor hypoxia with positron emission tomography. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 370-379.	1.0	6
17	Chameleon-like behavior of indolylpiperidines in complex with cholinesterases targets: Potent butyrylcholinesterase inhibitors. European Journal of Medicinal Chemistry, 2018, 145, 431-444.	5.5	18
18	Cluster glycosides and heteroglycoclusters presented in alternative arrangements. Tetrahedron Letters, 2018, 59, 4405-4409.	1.4	6

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19	Beyond the "Lock and Key" Paradigm: Targeting Lipid Rafts to Induce the Selective Apoptosis of Cancer Cells. Current Medicinal Chemistry, 2018, 25, 2082-2104.	2.4	12
20	Biological and In silico Studies on Synthetic Analogues of Tyrosine Betaine as Inhibitors of Neprilysin - A Drug Target for the Treatment of Heart Failure. Current Pharmaceutical Design, 2018, 24, 1899-1904.	1.9	1
21	Insights into Anti-Trypanosomal Agents Based on Synthetic Glycoconjugates. Current Topics in Medicinal Chemistry, 2018, 18, 382-396.	2.1	4
22	A Synthetic MUC1 Glycopeptide Bearing Î²GalNAcâ€Thr as a Tn Antigen Isomer Induces the Production of Antibodies against Tumor Cells. ChemBioChem, 2017, 18, 527-538.	2.6	10
23	Binding of triazole-linked galactosyl arylsulfonamides to galectin-3 affects Trypanosoma cruzi cell invasion. Bioorganic and Medicinal Chemistry, 2017, 25, 6049-6059.	3.0	16
24	Synthesis and 2D-QSAR studies of neolignan-based diaryl-tetrahydrofuran and -furan analogues with remarkable activity against Trypanosoma cruzi and assessment of the trypanothione reductase activity. European Journal of Medicinal Chemistry, 2017, 140, 187-199.	5.5	20
25	From dual binding site acetylcholinesterase inhibitors to allosteric modulators: A new avenue for disease-modifying drugs in Alzheimer's disease. European Journal of Medicinal Chemistry, 2017, 139, 773-791.	5.5	46
26	Benzoic Acid Derivatives with Trypanocidal Activity: Enzymatic Analysis and Molecular Docking Studies toward Trans-Sialidase. Molecules, 2017, 22, 1863.	3.8	12
27	Combining the Pharmacophore Features of Coumarins and 1,4-Substituted 1,2,3-Triazoles to Design New Acetylcholinesterase Inhibitors: Fast and Easy Generation of 4-Methylcoumarins/1,2,3-triazoles Conjugates via Click Chemistry. Journal of the Brazilian Chemical Society, 2016, , .	0.6	3
28	Novel Triazole-Quinoline Derivatives as Selective Dual Binding Site Acetylcholinesterase Inhibitors. Molecules, 2016, 21, 193.	3.8	48
29	CuAAC click chemistry with N-propargyl 1,5-dideoxy-1,5-imino-D-gulitol and N-propargyl 1,6-dideoxy-1,6-imino-D-mannitol provides access to triazole-linked piperidine and azepane pseudo-disaccharide iminosugars displaying glycosidase inhibitory properties. Carbohydrate Research, 2016, 429, 29-37.	2.3	8
30	Trypanosoma cruzi Invasion into Host Cells: A Complex Molecular Targets Interplay. Mini-Reviews in Medicinal Chemistry, 2016, 16, 1084-1097.	2.4	17
31	Neamine and 2-deoxystreptamine neomycin derivatives exhibit antinociceptive activity in rat models of phasic, incision and neuropathic pain. Journal of Pharmacy and Pharmacology, 2015, 67, 1696-1704.	2.4	1
32	Synthetic 1,2,3-triazole-linked glycoconjugates bind with high affinity to human galectin-3. Bioorganic and Medicinal Chemistry, 2015, 23, 3414-3425.	3.0	26
33	Click chemistry oligomerisation of azido-alkyne-functionalised galactose accesses triazole-linked linear oligomers and macrocycles that inhibit Trypanosoma cruzi macrophage invasion. Tetrahedron, 2015, 71, 7344-7353.	1.9	23
34	1,2,3-Triazole-based analogue of benznidazole displays remarkable activity against Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2015, 23, 6815-6826.	3.0	26
35	Semi-Synthesis of new glycosidic triazole derivatives of dihydrocucurbitacin B. Tetrahedron Letters, 2015, 56, 303-307.	1.4	13
36	Antibodies against Mucinâ€Based Glycopeptides Affect Trypanosoma cruzi Cell Invasion and Tumor Cell Viability. ChemBioChem, 2014, 15, 1495-1507.	2.6	16

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37	Design, synthesis and enzymatic evaluation of 3- O -substituted aryl Î²- d -galactopyranosides as inhibitors of Trypanosoma cruzi trans -sialidase. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4529-4532.	2.2	5
38	Synthesis andin vitroEvaluation of Novel Galactosyl-triazolo-benzenesulfonamides AgainstTrypanosoma cruzi. Journal of the Brazilian Chemical Society, 2014, , .	0.6	1
39	Synthesis of neamine-based pseudodisaccharides as potential vestibulotoxic agents to treat vertigo in MÃ©niÃ¨reâ€™s disease. Carbohydrate Research, 2013, 373, 97-102.	2.3	8
40	Î±-Selective glycosylation affords mucin-related GalNAc amino acids and diketopiperazines active on Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2013, 21, 1978-1987.	3.0	9
41	Simple and efficient synthesis of 2,5-anhydro-d-glucitol. Tetrahedron Letters, 2013, 54, 1087-1089.	1.4	6
42	Glycosidases and diabetes: metabolic changes, mode of action and therapeutic perspectives. Carbohydrate Chemistry, 2013, , 181-203.	0.3	20
43	Targeting Trypanosoma cruzi Platelet-activating Factor Receptors: Scope for the Development of Novel Drugs to Treat Chagas Disease. Mini-Reviews in Medicinal Chemistry, 2013, 13, 997-1004.	2.4	2
44	Novel arylÎ²-aminocarbonyl derivatives as inhibitors ofTrypanosoma cruzitrypanothione reductase: binding mode revised by docking and GRIND2-based 3D-QSAR procedures. Journal of Biomolecular Structure and Dynamics, 2012, 29, 1206-1220.	3.5	8
45	Design, synthesis and the effect of 1,2,3-triazole sialylmimetic neoglycoconjugates on Trypanosoma cruzi and its cell surface trans-sialidase. Bioorganic and Medicinal Chemistry, 2012, 20, 145-156.	3.0	53
46	Carbohydrates and Glycoproteins: Cellular Recognition and Drug Design. , 2012, , 133-151.		1
47	General Aspects of the Microwave-Assisted Drug Development. , 2012, , 114-132.		0
48	In silico design and search for acetylcholinesterase inhibitors in Alzheimerâ€™s disease with a suitable pharmacokinetic profile and low toxicity. Future Medicinal Chemistry, 2011, 3, 947-960.	2.3	26
49	Using Computer-aided Drug Design and Medicinal Chemistry Strategies in the Fight Against Diabetes. Journal of Biomolecular Structure and Dynamics, 2011, 28, 787-796.	3.5	22
50	Search for a platelet-activating factor receptor in the Trypanosoma cruzi proteome: a potential target for Chagas disease chemotherapy. Memorias Do Instituto Oswaldo Cruz, 2011, 106, 957-967.	1.6	5
51	Glycoclusters presenting lactose on calix[4]arene cores display trypanocidal activity. Tetrahedron, 2011, 67, 5902-5912.	1.9	36
52	Synthetic Glycans, Glycoarrays, and Glyconanoparticles To Investigate Host Infection byTrypanosoma cruzi. ACS Symposium Series, 2011, , 143-159.	0.5	1
53	Cyclooligomerisation of azido-alkyne-functionalised sugars: synthesis of 1,6-linked cyclic pseudo-galactooligosaccharides and assessment of their sialylation by Trypanosoma cruzi trans-sialidase. Chemical Science, 2010, 1, 507.	7.4	57
54	Application of copper(I)-catalysed azide/alkyne cycloaddition (CuAAC) â€˜click chemistryâ€™ in carbohydrate drug and neoglycopolymer synthesis. Tetrahedron, 2010, 66, 9475-9492.	1.9	194

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55	â€˜Click chemistryâ€™ synthesis of a library of 1,2,3-triazole-substituted galactose derivatives and their evaluation against Trypanosoma cruzi and its cell surface trans-sialidase. Bioorganic and Medicinal Chemistry, 2010, 18, 2412-2427.	3.0	126
56	Biotransformation of a tetrahydrofuran lignan by the endophytic fungus Phomopsis Sp.. Journal of the Brazilian Chemical Society, 2009, 20, 195-200.	0.6	48
57	Structure and Ligand-Based Drug Design to Propose Novel α-Glucosidase Inhibitors. Current Bioactive Compounds, 2009, 5, 99-109.	0.5	3
58	Stereoselectivity in Drug Metabolism: Molecular Mechanisms and Analytical Methods. Current Drug Metabolism, 2009, 10, 188-205.	1.2	57
59	Carrageenans: Biological properties, chemical modifications and structural analysis â€“ A review. Carbohydrate Polymers, 2009, 77, 167-180.	10.2	995
60	Novel and facile solution-phase synthesis of 2,5-diketopiperazines and O-glycosylated analogs. Tetrahedron, 2009, 65, 5343-5349.	1.9	18
61	Molecular Dynamics, Density Functional, ADMET Predictions, Virtual Screening, and Molecular Interaction Field Studies for Identification and Evaluation of Novel Potential CDK2 Inhibitors In Cancer Therapy. Journal of Physical Chemistry A, 2008, 112, 8902-8910.	2.5	9
62	SÃntese de glicoaminoÃ¡cidos de interesse biolÃ³gico. Quimica Nova, 2008, 31, .	0.3	4
63	COMPUTER-AIDED MOLECULAR DESIGN OF NOVEL HMG-CoA REDUCTASE INHIBITORS FOR THE TREATMENT OF HYPERCHOLESTEROLEMIA. Journal of Theoretical and Computational Chemistry, 2007, 06, 811-821.	1.8	7
64	New Insights into Aminoglycoside Antibiotics and Derivatives. Current Medicinal Chemistry, 2007, 14, 1101-1119.	2.4	55
65	Dehydromonocrotaline inhibits mitochondrial complex I. A potential mechanism accounting for hepatotoxicity of monocrotaline. Toxicon, 2007, 50, 724-730.	1.6	34
66	Chemical and chemoenzymatic synthesis of glycosyl-amino acids and glycopeptides related to Trypanosoma cruzi mucins. Organic and Biomolecular Chemistry, 2007, 5, 2645.	2.8	41
67	Virtual Screening, Molecular Interaction Field, Molecular Dynamics, Docking, Density Functional, and ADMET Properties of Novel AChE Inhibitors in Alzheimer's Disease. Journal of Biomolecular Structure and Dynamics, 2007, 24, 515-523.	3.5	15
68	Estatinas hipolipÃªmicas e novas tendÃªncias terapÃªuticas. Quimica Nova, 2007, 30, 425-430.	0.3	22
69	Diketopiperazines: biological activity and synthesis. Tetrahedron, 2007, 63, 9923-9932.	1.9	353
70	Aminoglycoside antibiotic derivatives: Preparation and evaluation of toxicity on cochlea and vestibular tissues and antimicrobial activity. Bioorganic and Medicinal Chemistry, 2007, 15, 3624-3634.	3.0	11
71	HPLC analysis of glycosylated amino acids. Journal of the Brazilian Chemical Society, 2006, 17, 648-654.	0.6	1
72	Synthesis and trypanocidal activity of 1,4-bis-(3,4,5-trimethoxy-phenyl)-1,4-butanediol and 1,4-bis-(3,4-dimethoxyphenyl)-1,4-butanediol. Bioorganic and Medicinal Chemistry, 2006, 14, 7075-7082.	3.0	34

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73	Molecular modeling, docking and ADMET studies applied to the design of a novel hybrid for treatment of Alzheimer's disease. Journal of Molecular Graphics and Modelling, 2006, 25, 169-175.	2.4	45
74	Î±- and Î²-Glucosidase inhibitors: chemical structure and biological activity. Tetrahedron, 2006, 62, 10277-10302.	1.9	490
75	MOLECULAR DYNAMICS, DOCKING, DENSITY FUNCTIONAL, AND ADMET STUDIES OF HIV-1 REVERSE TRANSCRIPTASE INHIBITORS. Journal of Theoretical and Computational Chemistry, 2006, 05, 579-586.	1.8	14
76	alfa e <FONT FACE=Symbol>b-</FONT>glucosidases como alvos moleculares para desenvolvimento de fÃ¡rmacos. Quimica Nova, 2006, 29, 840-843.	0.3	9
77	Homology modeling and molecular interaction field studies of Î±-glucosidases as a guide to structure-based design of novel proposed anti-HIV inhibitors. Journal of Computer-Aided Molecular Design, 2005, 19, 83-92.	2.9	33
78	Diketopiperazines produced by an Aspergillus fumigatus Brazilian strain. Journal of the Brazilian Chemical Society, 2005, 16, 1448-1453.	0.6	88
79	Medicinal Chemistry and Molecular Modeling: An Integration To Teach Drug Structureâ€“Activity Relationship and the Molecular Basis of Drug Action. Journal of Chemical Education, 2005, 82, 588.	2.3	34
80	Synthesis of (+)-(2R,3S,4R)-2,3,4-trihydroxycyclohexanone from d-glucose. Carbohydrate Research, 2004, 339, 361-365.	2.3	2
81	Practical synthesis of the 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-Î²-d-glucosides of Fmoc-serine and Fmoc-threonine and their benzyl esters. Carbohydrate Research, 2003, 338, 1039-1043.	2.3	24
82	IntroduÃ§Ã£o a modelagem molecular de fÃ¡rmacos no curso experimental de quÃmica farmacÃªutica. Quimica Nova, 2003, 26, 428-438.	0.3	26
83	N-Linked carba-disaccharides as potential inhibitors of glucosidases I and II. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1795-1800.	0.9	12
84	Synthesis of a novel pseudodisaccharide glycoside as a potential glycosidase inhibitor. Chemical Communications, 1998, , 817-818.	4.1	7
85	Simple and efficient synthesis of triazole-based iminosugars with potential anti-glucosidase activity. , 0, , .		0
86	Studies toward an indanone-based hybrid with potencial AchE inhibition to treat Alzheimerâ€™s disease. , 0, , .		0
87	Synthesis of glycopeptides mimetics of T. cruzi and tumor mucins as potential vaccines. , 0, , .		0