Adriane R Todeschini

List of Publications by Year
in descending order

67 papers	2,844 citations	159585 30 h-index	175258 52 g-index
71 all docs	71 docs citations	71 times ranked	3912 citing authors

#	Article	IF	Citations
1	Functional role of glycosphingolipids and gangliosides in control of cell adhesion, motility, and growth, through glycosynaptic microdomains. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 421-433.	2.4	365
2	The emerging role of neutrophil extracellular traps in severe acute respiratory syndrome coronavirus 2 (COVID-19). Scientific Reports, 2020, 10, 19630.	3.3	192
3	Synthesis and evaluation of analgesic, antiinflammatory and antiplatelet properties of new 2-pyridylarylhydrazone derivatives. European Journal of Medicinal Chemistry, 1998, 33, 189-199.	5.5	188
4	Ganglioside GM2-Tetraspanin CD82 Complex Inhibits Met and Its Cross-talk with Integrins, Providing a Basis for Control of Cell Motility through Glycosynapse. Journal of Biological Chemistry, 2007, 282, 8123-8133.	3.4	130
5	Ganglioside GM2/GM3 complex affixed on silica nanospheres strongly inhibits cell motility through CD82/cMet-mediated pathway. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1925-1930.	7.1	125
6	Biosynthetic Machinery Involved in Aberrant Glycosylation: Promising Targets for Developing of Drugs Against Cancer. Frontiers in Oncology, 2015, 5, 138.	2.8	113
7	Endophytic colonization of rice (Oryza sativa L.) by the diazotrophic bacterium Burkholderia kururiensis and its ability to enhance plant growth. Anais Da Academia Brasileira De Ciencias, 2008, 80, 477-493.	0.8	94
8	Epithelial Mesenchymal Transition Induces Aberrant Glycosylation through Hexosamine Biosynthetic Pathway Activation. Journal of Biological Chemistry, 2016, 291, 12917-12929.	3.4	93
9	Hyperglycemia exacerbates colon cancer malignancy through hexosamine biosynthetic pathway. Oncogenesis, 2017, 6, e306-e306.	4.9	87
10	Glycoinositolphospholipid from Trypanosoma cruzi: Structure, Biosynthesis and Immunobiology. Advances in Parasitology, 2003, 56, 1-41.	3.2	66
11	Antinociceptive properties of ethanolic extract and fractions of Pterodon pubescens Benth. seeds. Journal of Ethnopharmacology, 2005, 98, 109-116.	4.1	65
12	Costimulation of Host T Lymphocytes by a Trypanosomaltrans-Sialidase: Involvement of CD43 Signaling. Journal of Immunology, 2002, 168, 5192-5198.	0.8	64
13	Increase of O-Glycosylated Oncofetal Fibronectin in High Glucose-Induced Epithelial-Mesenchymal Transition of Cultured Human Epithelial Cells. PLoS ONE, 2013, 8, e60471.	2.5	63
14	Protozoan parasite-specific carbohydrate structures. Current Opinion in Structural Biology, 2005, 15, 499-505.	5.7	61
15	Enzymatically Inactive trans-Sialidase from Trypanosoma cruzi Binds Sialyl and Î²-Galactopyranosyl Residues in a Sequential Ordered Mechanism. Journal of Biological Chemistry, 2004, 279, 5323-5328.	3.4	54
16	trans-Sialidase from Trypanosoma cruziBinds Host T-lymphocytes in a Lectin Manner. Journal of Biological Chemistry, 2002, 277, 45962-45968.	3.4	52
17	Heterogeneity in the Biosynthesis of MucinO-Glycans fromTrypanosoma cruziTulahuen Strain with the Expression of Novel Galactofuranosyl-Containing Oligosaccharidesâ€. Biochemistry, 2004, 43, 11889-11897.	2.5	52
18	Trans-sialidase from Trypanosoma cruzi catalyzes sialoside hydrolysis with retention of configuration. Glycobiology, 2000, 10, 213-221.	2.5	49

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19	Trypanosoma cruzi Subverts Host Cell Sialylation and May Compromise Antigen-specific CD8+ T Cell Responses. Journal of Biological Chemistry, 2010, 285, 13388-13396.	3.4	49
20	Evidences for the involvement of cell surface glycans in stem cell pluripotency and differentiation. Glycobiology, 2014, 24, 458-468.	2.5	44
21	Structure of O-glycosidically linked oligosaccharides from glycoproteins of Trypanosoma cruzi CL-Brener strain: evidence for the presence of O-linked sialyl-oligosaccharides. Glycobiology, 2001, 11, 47-55.	2.5	43
22	Endothelial cell signalling induced by trans-sialidase from Trypanosoma cruzi. Cellular Microbiology, 2007, 10, 070802104926002-???.	2.1	42
23	Hyperglycemia and aberrant O-GlcNAcylation: contributions to tumor progression. Journal of Bioenergetics and Biomembranes, 2018, 50, 175-187.	2.3	41
24	Cellular glycosylation senses metabolic changes and modulates cell plasticity during epithelial to mesenchymal transition. Developmental Dynamics, 2018, 247, 481-491.	1.8	39
25	Hexosamine Biosynthetic Pathway and Glycosylation Regulate Cell Migration in Melanoma Cells. Frontiers in Oncology, 2019, 9, 116.	2.8	37
26	A novel sialylated and galactofuranose-containing O-linked glycan, Neu5AcÎ±2â†'3GalpÎ²1â†'6(GalfÎ²1â†'4)GlcNAc, is expressed on the sialoglycoprotein of Trypanosoma cruzi Dm28c. Molecular and Biochemical Parasitology, 2003, 126, 93-96.	1.1	36
27	Overlooked post-translational modifications of proteins in Plasmodium falciparum: N- and O-glycosylation - A Review. Memorias Do Instituto Oswaldo Cruz, 2010, 105, 949-956.	1.6	36
28	Acute and topic anti-edematogenic fractions isolated from the seeds of Pterodon pubescens. Journal of Pharmacy and Pharmacology, 2010, 56, 135-141.	2.4	35
29	Sialic acid: a sweet swing between mammalian host and Trypanosoma cruzi. Frontiers in Immunology, 2012, 3, 356.	4.8	35
30	Structural elucidation of the repeat unit in highly branched acidic exopolysaccharides produced by nitrogen fixing Burkholderia. Glycobiology, 2010, 20, 338-347.	2.5	34
31	Hyperglycemia Enhances Cancer Immune Evasion by Inducing Alternative Macrophage Polarization through Increased O-GlcNAcylation. Cancer Immunology Research, 2020, 8, 1262-1272.	3.4	32
32	Characterization of novel structures of mannosylinositolphosphorylceramides from the yeast forms ofSporothrix schenckii. FEBS Journal, 2001, 268, 4243-4250.	0.2	31
33	A new class of mechanism-based inhibitors for Trypanosoma cruzi trans-sialidase and their influence on parasite virulence. Glycobiology, 2010, 20, 1034-1045.	2.5	31
34	The Major Surface Carbohydrates of the Echinococcus granulosus Cyst: Mucin-Type O-Glycans Decorated by Novel Galactose-Based Structures. Biochemistry, 2009, 48, 11678-11691.	2.5	30
35	Biological evaluation and molecular modeling of peptidomimetic compounds as inhibitors for O-GlcNAc transferase (OGT). European Journal of Pharmaceutical Sciences, 2020, 154, 105510.	4.0	28
36	Chemical Structure of Major Glycoconjugates from Parasites. Current Organic Chemistry, 2008, 12, 926-939.	1.6	27

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37	Nitrogen-fixing bacterium Burkholderia brasiliensis produces a novel yersiniose A-containing O-polysaccharide. Glycobiology, 2004, 15, 313-321.	2.5	24
38	Inhibitory Effects of Trypanosoma cruzi Sialoglycoproteins on CD4+ T Cells Are Associated with Increased Susceptibility to Infection. PLoS ONE, 2013, 8, e77568.	2.5	22
39	Further structural characterization of the Echinococcus granulosus laminated layer carbohydrates: The blood-antigen P1-motif gives rise to branches at different points of the O-glycan chains. Glycobiology, 2013, 23, 438-452.	2.5	21
40	Emerging role of glycosylation in the polarization of tumor-associated macrophages. Pharmacological Research, 2019, 146, 104285.	7.1	21
41	Role of the 9-O-acetyl GD3 in subventricular zone neuroblast migration. Molecular and Cellular Neurosciences, 2012, 49, 240-249.	2.2	20
42	Trans-sialidase from Trypanosoma cruzi enhances the adhesion properties and fibronectin-driven migration of thymocytes. Microbes and Infection, 2013, 15, 365-374.	1.9	18
43	Î±-N-acetylglucosamine-linked O-glycans of sialoglycoproteins (Tc-mucins) from Trypanosoma cruzi Colombiana strain. Memorias Do Instituto Oswaldo Cruz, 2009, 104, 270-274.	1.6	17
44	Antiplatelet Activity of Geranylgeraniol Isolated from Pterodon pubescens Fruit Oil is Mediated by Inhibition of Cyclooxygenase-1. Planta Medica, 2007, 73, 480-483.	1.3	16
45	Evidence of Ternary Complex Formation in Trypanosoma cruzi trans-Sialidase Catalysis. Journal of Biological Chemistry, 2014, 289, 423-436.	3.4	16
46	Insights on the interaction of furfural derivatives with BSA and HTF by applying multi-spectroscopic and molecular docking approaches. Journal of Molecular Liquids, 2020, 317, 114021.	4.9	16
47	Prevalence of IgG Autoantibodies against GD3 Ganglioside in Acute Zika Virus Infection. Frontiers in Medicine, 2018, 5, 25.	2.6	15
48	Enzymatic and structural properties of human glutamine:fructose-6-phosphate amidotransferase 2 (hGFAT2). Journal of Biological Chemistry, 2021, 296, 100180.	3.4	11
49	Probing the interaction of carbonaceous dots with transferrin and albumin: Impact on the protein structure and non-synergetic metal release. Journal of Molecular Liquids, 2019, 292, 111460.	4.9	10
50	Trypanosoma cruzi Trans-Sialidase: Structural Features and Biological Implications. Sub-Cellular Biochemistry, 2014, 74, 181-201.	2.4	9
51	N-linked glycosylation restricts the function of short gastrulation to bind and shuttle BMPs. Development (Cambridge), 2018, 145, .	2.5	9
52	Trends in Nanomedicines for Cancer Treatment. Current Pharmaceutical Design, 2020, 26, 3579-3600.	1.9	8
53	Characterization of two heparan sulphate-binding sites in the mycobacterial adhesin Hlp. BMC Microbiology, 2008, 8, 75.	3.3	7
54	Sperm and Egg Jelly Coat from Sea Urchin Lytechinus variegatus Collected in Rio de Janeiro Contain Distinct Sialic Acid-Rich Polysaccharides. Brazilian Archives of Biology and Technology, 2015, 58, 617-627.	0.5	4

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55	CALCIUMâ€INDUCED LIPID PEROXIDATION IS MEDIATED BY RHODNIUS HEMEâ€BINDING PROTEIN (RHBP) AND PREVENTED BY VITELLIN. Archives of Insect Biochemistry and Physiology, 2015, 90, 104-115.	1.5	3
56	Expression of leukosialin (CD43) defines a major intrahepatic T cell subset associated with protective responses in visceral leishmaniasis. Parasites and Vectors, 2015, 8, 111.	2.5	3
57	Targeting the Hexosamine Biosynthetic Pathway Prevents Plasmodium Developmental Cycle and Disease Pathology in Vertebrate Host. Frontiers in Microbiology, 2019, 10, 305.	3.5	3
58	CD43 sialoglycoprotein modulates cardiac inflammation and murine susceptibility to Trypanosoma cruzi infection. Scientific Reports, 2019, 9, 8628.	3.3	2
59	Evaluation of europium-based carbon nanocomposites as bioimaging probes: Preparation, NMR relaxivities, binding effects over plasma proteins and cytotoxic aspects. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127250.	4.7	2
60	Trends in Nanotechnology for in vivo Cancer Diagnosis: Products and Patents. Current Pharmaceutical Design, 2020, 26, 2167-2181.	1.9	2
61	Abstract LB-059: Hyperglycemia enhances cancer immune evasion by inducing alternative macrophage polarization through increased O-GlcNAcylation. , 2019, , .		1
62	Hyperglycemia alters N-glycans on colon cancer cells through increased production of activated monosaccharides. Glycoconjugate Journal, 2022, 39, 663-675.	2.7	1
63	Duffy binding-like 1Î± adhesin from Plasmodium falciparum recognizes ABH histo-blood group saccharide in a type specific manner. Carbohydrate Polymers, 2019, 207, 266-275.	10.2	0
64	The influence of Oâ€GlcNAc in the motility of alveolar epithelial cancer cells. FASEB Journal, 2013, 27, lb81.	0.5	0
65	The Interplay between Oâ€GlcNAc And Phosphorylation on Tyrosine Hydroxylase Activity And Cathecolamine Synthesis in PC12 Cells. FASEB Journal, 2020, 34, 1-1.	0.5	0
66	Oâ€GlcNAc characterization during Tribolium castaneum development. FASEB Journal, 2022, 36, .	0.5	0
67	GM2/GM3 controls the organizational status of CD82/Met microdomains: further studies in GM2/GM3 complexation. Glycoconjugate Journal, 2022, , .	2.7	0