

Adriane R Todeschini

List of Publications by Year in descending order

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67
papers

2,844
citations

159358

30
h-index

174990

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. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 421-433.	1.1	365
2	The emerging role of neutrophil extracellular traps in severe acute respiratory syndrome coronavirus 2 (COVID-19). <i>Scientific Reports</i> , 2020, 10, 19630.	1.6	192
3	Synthesis and evaluation of analgesic, antiinflammatory and antiplatelet properties of new 2-pyridylarylhydrazone derivatives. <i>European Journal of Medicinal Chemistry</i> , 1998, 33, 189-199.	2.6	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. <i>Journal of Biological Chemistry</i> , 2007, 282, 8123-8133.	1.6	130
5	Ganglioside GM2/GM3 complex affixed on silica nanospheres strongly inhibits cell motility through CD82/cMet-mediated pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1925-1930.	3.3	125
6	Biosynthetic Machinery Involved in Aberrant Glycosylation: Promising Targets for Developing of Drugs Against Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 138.	1.3	113
7	Endophytic colonization of rice (<i>Oryza sativa</i> L.) by the diazotrophic bacterium <i>Burkholderia kururiensis</i> and its ability to enhance plant growth. <i>Anais Da Academia Brasileira De Ciencias</i> , 2008, 80, 477-493.	0.3	94
8	Epithelial Mesenchymal Transition Induces Aberrant Glycosylation through Hexosamine Biosynthetic Pathway Activation. <i>Journal of Biological Chemistry</i> , 2016, 291, 12917-12929.	1.6	93
9	Hyperglycemia exacerbates colon cancer malignancy through hexosamine biosynthetic pathway. <i>Oncogenesis</i> , 2017, 6, e306-e306.	2.1	87
10	Glycoinositolphospholipid from <i>Trypanosoma cruzi</i> : Structure, Biosynthesis and Immunobiology. <i>Advances in Parasitology</i> , 2003, 56, 1-41.	1.4	66
11	Antinociceptive properties of ethanolic extract and fractions of <i>Pterodon pubescens</i> Benth. seeds. <i>Journal of Ethnopharmacology</i> , 2005, 98, 109-116.	2.0	65
12	Costimulation of Host T Lymphocytes by a Trypanosomaltrans-Sialidase: Involvement of CD43 Signaling. <i>Journal of Immunology</i> , 2002, 168, 5192-5198.	0.4	64
13	Increase of O-Glycosylated Oncofetal Fibronectin in High Glucose-Induced Epithelial-Mesenchymal Transition of Cultured Human Epithelial Cells. <i>PLoS ONE</i> , 2013, 8, e60471.	1.1	63
14	Protozoan parasite-specific carbohydrate structures. <i>Current Opinion in Structural Biology</i> , 2005, 15, 499-505.	2.6	61
15	Enzymatically Inactive trans-Sialidase from <i>Trypanosoma cruzi</i> Binds Sialyl and β -Galactopyranosyl Residues in a Sequential Ordered Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 5323-5328.	1.6	54
16	trans-Sialidase from <i>Trypanosoma cruzi</i> Binds Host T-lymphocytes in a Lectin Manner. <i>Journal of Biological Chemistry</i> , 2002, 277, 45962-45968.	1.6	52
17	Heterogeneity in the Biosynthesis of MucinO-Glycans from <i>Trypanosoma cruzi</i> Tulahuen Strain with the Expression of Novel Galactofuranosyl-Containing Oligosaccharides. <i>Biochemistry</i> , 2004, 43, 11889-11897.	1.2	52
18	Trans-sialidase from <i>Trypanosoma cruzi</i> catalyzes sialoside hydrolysis with retention of configuration. <i>Glycobiology</i> , 2000, 10, 213-221.	1.3	49

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19	Trypanosoma cruzi Subverts Host Cell Sialylation and May Compromise Antigen-specific CD8+ T Cell Responses. <i>Journal of Biological Chemistry</i> , 2010, 285, 13388-13396.	1.6	49
20	Evidences for the involvement of cell surface glycans in stem cell pluripotency and differentiation. <i>Glycobiology</i> , 2014, 24, 458-468.	1.3	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. <i>Glycobiology</i> , 2001, 11, 47-55.	1.3	43
22	Endothelial cell signalling induced by trans-sialidase from Trypanosoma cruzi. <i>Cellular Microbiology</i> , 2007, 10, 070802104926002-???	1.1	42
23	Hyperglycemia and aberrant O-GlcNAcylation: contributions to tumor progression. <i>Journal of Bioenergetics and Biomembranes</i> , 2018, 50, 175-187.	1.0	41
24	Cellular glycosylation senses metabolic changes and modulates cell plasticity during epithelial to mesenchymal transition. <i>Developmental Dynamics</i> , 2018, 247, 481-491.	0.8	39
25	Hexosamine Biosynthetic Pathway and Glycosylation Regulate Cell Migration in Melanoma Cells. <i>Frontiers in Oncology</i> , 2019, 9, 116.	1.3	37
26	A novel sialylated and galactofuranose-containing O-linked glycan, Neu5Ac1±2â†’3Galp1±2â†’6(Galf1±2â†’4)GlcNAc, is expressed on the sialoglycoprotein of Trypanosoma cruzi Dm28c. <i>Molecular and Biochemical Parasitology</i> , 2003, 126, 93-96.	0.5	36
27	Overlooked post-translational modifications of proteins in Plasmodium falciparum: N- and O-glycosylation - A Review. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2010, 105, 949-956.	0.8	36
28	Acute and topic anti-edematogenic fractions isolated from the seeds of Pterodon pubescens. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 135-141.	1.2	35
29	Sialic acid: a sweet swing between mammalian host and Trypanosoma cruzi. <i>Frontiers in Immunology</i> , 2012, 3, 356.	2.2	35
30	Structural elucidation of the repeat unit in highly branched acidic exopolysaccharides produced by nitrogen fixing Burkholderia. <i>Glycobiology</i> , 2010, 20, 338-347.	1.3	34
31	Hyperglycemia Enhances Cancer Immune Evasion by Inducing Alternative Macrophage Polarization through Increased O-GlcNAcylation. <i>Cancer Immunology Research</i> , 2020, 8, 1262-1272.	1.6	32
32	Characterization of novel structures of mannosylinositolphosphorylceramides from the yeast forms of Sporothrix schenckii. <i>FEBS Journal</i> , 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. <i>Glycobiology</i> , 2010, 20, 1034-1045.	1.3	31
34	The Major Surface Carbohydrates of the <i>Echinococcus granulosus</i> Cyst: Mucin-Type <i>O</i>-Glycans Decorated by Novel Galactose-Based Structures. <i>Biochemistry</i> , 2009, 48, 11678-11691.	1.2	30
35	Biological evaluation and molecular modeling of peptidomimetic compounds as inhibitors for O-GlcNAc transferase (OGT). <i>European Journal of Pharmaceutical Sciences</i> , 2020, 154, 105510.	1.9	28
36	Chemical Structure of Major Glycoconjugates from Parasites. <i>Current Organic Chemistry</i> , 2008, 12, 926-939.	0.9	27

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37	Nitrogen-fixing bacterium <i>Burkholderia brasiliensis</i> produces a novel yersiniose A-containing O-polysaccharide. <i>Glycobiology</i> , 2004, 15, 313-321.	1.3	24
38	Inhibitory Effects of <i>Trypanosoma cruzi</i> Sialoglycoproteins on CD4+ T Cells Are Associated with Increased Susceptibility to Infection. <i>PLoS ONE</i> , 2013, 8, e77568.	1.1	22
39	Further structural characterization of the <i>Echinococcus granulosus</i> laminated layer carbohydrates: The blood-antigen P1-motif gives rise to branches at different points of the O-glycan chains. <i>Glycobiology</i> , 2013, 23, 438-452.	1.3	21
40	Emerging role of glycosylation in the polarization of tumor-associated macrophages. <i>Pharmacological Research</i> , 2019, 146, 104285.	3.1	21
41	Role of the 9-O-acetyl GD3 in subventricular zone neuroblast migration. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 240-249.	1.0	20
42	Trans-sialidase from <i>Trypanosoma cruzi</i> enhances the adhesion properties and fibronectin-driven migration of thymocytes. <i>Microbes and Infection</i> , 2013, 15, 365-374.	1.0	18
43	Î±-N-acetylglucosamine-linked O-glycans of sialoglycoproteins (Tc-mucins) from <i>Trypanosoma cruzi</i> Colombiana strain. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2009, 104, 270-274.	0.8	17
44	Antiplatelet Activity of Geranylgeraniol Isolated from <i>Pterodon pubescens</i> Fruit Oil is Mediated by Inhibition of Cyclooxygenase-1. <i>Planta Medica</i> , 2007, 73, 480-483.	0.7	16
45	Evidence of Ternary Complex Formation in <i>Trypanosoma cruzi</i> trans-Sialidase Catalysis. <i>Journal of Biological Chemistry</i> , 2014, 289, 423-436.	1.6	16
46	Insights on the interaction of furfural derivatives with BSA and HTF by applying multi-spectroscopic and molecular docking approaches. <i>Journal of Molecular Liquids</i> , 2020, 317, 114021.	2.3	16
47	Prevalence of IgG Autoantibodies against GD3 Ganglioside in Acute Zika Virus Infection. <i>Frontiers in Medicine</i> , 2018, 5, 25.	1.2	15
48	Enzymatic and structural properties of human glutamine:fructose-6-phosphate amidotransferase 2 (hGFAT2). <i>Journal of Biological Chemistry</i> , 2021, 296, 100180.	1.6	11
49	Probing the interaction of carbonaceous dots with transferrin and albumin: Impact on the protein structure and non-synergetic metal release. <i>Journal of Molecular Liquids</i> , 2019, 292, 111460.	2.3	10
50	<i>Trypanosoma cruzi</i> Trans-Sialidase: Structural Features and Biological Implications. <i>Sub-Cellular Biochemistry</i> , 2014, 74, 181-201.	1.0	9
51	N-linked glycosylation restricts the function of short gastrulation to bind and shuttle BMPs. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	9
52	Trends in Nanomedicines for Cancer Treatment. <i>Current Pharmaceutical Design</i> , 2020, 26, 3579-3600.	0.9	8
53	Characterization of two heparan sulphate-binding sites in the mycobacterial adhesin Hlp. <i>BMC Microbiology</i> , 2008, 8, 75.	1.3	7
54	Sperm and Egg Jelly Coat from Sea Urchin <i>Lytechinus variegatus</i> Collected in Rio de Janeiro Contain Distinct Sialic Acid-Rich Polysaccharides. <i>Brazilian Archives of Biology and Technology</i> , 2015, 58, 617-627.	0.5	4

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55	CALCIUM-INDUCED LIPID PEROXIDATION IS MEDIATED BY <i>RHODNIUS</i> HEME-BINDING PROTEIN (RHBP) AND PREVENTED BY VITELLIN. Archives of Insect Biochemistry and Physiology, 2015, 90, 104-115.	0.6	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.	1.0	3
57	Targeting the Hexosamine Biosynthetic Pathway Prevents Plasmodium Developmental Cycle and Disease Pathology in Vertebrate Host. Frontiers in Microbiology, 2019, 10, 305.	1.5	3
58	CD43 sialoglycoprotein modulates cardiac inflammation and murine susceptibility to Trypanosoma cruzi infection. Scientific Reports, 2019, 9, 8628.	1.6	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.	2.3	2
60	Trends in Nanotechnology for in vivo Cancer Diagnosis: Products and Patents. Current Pharmaceutical Design, 2020, 26, 2167-2181.	0.9	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.	1.4	1
63	Duffy binding-like 1± adhesin from Plasmodium falciparum recognizes ABH histo-blood group saccharide in a type specific manner. Carbohydrate Polymers, 2019, 207, 266-275.	5.1	0
64	The influence of O-GlcNAc in the motility of alveolar epithelial cancer cells. FASEB Journal, 2013, 27, 1b81.	0.2	0
65	The Interplay between O-GlcNAc And Phosphorylation on Tyrosine Hydroxylase Activity And Catecholamine Synthesis in PC12 Cells. FASEB Journal, 2020, 34, 1-1.	0.2	0
66	O-GlcNAc characterization during <i>Tribolium castaneum</i> development. FASEB Journal, 2022, 36, .	0.2	0
67	GM2/GM3 controls the organizational status of CD82/Met microdomains: further studies in GM2/GM3 complexation. Glycoconjugate Journal, 2022, , .	1.4	0