Cristina Tringali

List of Publications by Year
in descending order

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45 papers	1,574 citations	279798 23 h-index	302126 39 g-index
45 all docs	45 docs citations	45 times ranked	2137 citing authors

#	Article	IF	Citations
1	Crystal Structure of the Human Cytosolic Sialidase Neu2. Journal of Biological Chemistry, 2005, 280, 469-475.	3.4	148
2	The Plasma Membrane-associated Sialidase MmNEU3 Modifies the Ganglioside Pattern of Adjacent Cells Supporting Its Involvement in Cell-to-Cell Interactions. Journal of Biological Chemistry, 2004, 279, 16989-16995.	3.4	130
3	Sphingolipids: Key Regulators of Apoptosis and Pivotal Players in Cancer Drug Resistance. International Journal of Molecular Sciences, 2014, 15, 4356-4392.	4.1	94
4	Reversine-treated fibroblasts acquire myogenic competence in vitro and in regenerating skeletal muscle. Cell Death and Differentiation, 2006, 13, 2042-2051.	11.2	89
5	Properties of Recombinant Human Cytosolic Sialidase HsNEU2. Journal of Biological Chemistry, 2004, 279, 3169-3179.	3.4	72
6	Isolation and Characterization of 2 New Human Rotator Cuff and Long Head of Biceps Tendon Cells Possessing Stem Cellâ€“Like Self-Renewal and Multipotential Differentiation Capacity. American Journal of Sports Medicine, 2013, 41, 1653-1664.	4.2	63
7	Complexity in Influenza Virus Targeted Drug Design: Interaction with Human Sialidases. Journal of Medicinal Chemistry, 2010, 53, 2998-3002.	6.4	62
8	The Plasma Membrane Sialidase NEU3 Regulates the Malignancy of Renal Carcinoma Cells by Controlling Î²1 Integrin Internalization and Recycling. Journal of Biological Chemistry, 2012, 287, 42835-42845.	3.4	60
9	Acidic and neutral sialidase in the erythrocyte membrane of type 2 diabetic patients. Blood, 2002, 99, 1064-1070.	1.4	51
10	Expression of Sialidase Neu2 in Leukemic K562 Cells Induces Apoptosis by Impairing Bcr-Abl/Src Kinases Signaling. Journal of Biological Chemistry, 2007, 282, 14364-14372.	3.4	47
11	Silencing of membrane-associated sialidase Neu3 diminishes apoptosis resistance and triggers megakaryocytic differentiation of chronic myeloid leukemic cells K562 through the increase of ganglioside GM3. Cell Death and Differentiation, 2009, 16, 164-174.	11.2	47
12	NEU3 Sialidase Strictly Modulates GM3 Levels in Skeletal Myoblasts C2C12 Thus Favoring Their Differentiation and Protecting Them from Apoptosis. Journal of Biological Chemistry, 2008, 283, 36265-36271.	3.4	44
13	Extracellular Sphingosine-1-Phosphate: A Novel Actor in Human Glioblastoma Stem Cell Survival. PLoS ONE, 2013, 8, e68229.	2.5	42
14	Autocrine/paracrine sphingosineâ€1â€phosphate fuels proliferative and stemness qualities of glioblastoma stem cells. Glia, 2014, 62, 1968-1981.	4.9	42
15	The role of Sphingolipids in myelination and myelin stability and their involvement in childhood and adult demyelinating disorders. Journal of Neurochemistry, 2021, 156, 403-414.	3.9	41
16	HSPH1 inhibition downregulates Bcl-6 and c-Myc and hampers the growth of human aggressive B-cell non-Hodgkin lymphoma. Blood, 2015, 125, 1768-1771.	1.4	40
17	Down regulation of membraneâ€bound Neu3 constitutes a new potential marker for childhood acute lymphoblastic leukemia and induces apoptosis suppression of neoplastic cells. International Journal of Cancer, 2010, 126, 337-349.	5.1	39
18	NEU3 Sialidase Is Activated under Hypoxia and Protects Skeletal Muscle Cells from Apoptosis through the Activation of the Epidermal Growth Factor Receptor Signaling Pathway and the Hypoxia-inducible Factor (HIF)-1Î±. Journal of Biological Chemistry, 2013, 288, 3153-3162.	3.4	39

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19	Sphingosine Kinase 2 and Ceramide Transport as Key Targets of the Natural Flavonoid Luteolin to Induce Apoptosis in Colon Cancer Cells. PLoS ONE, 2015, 10, e0143384.	2.5	35
20	Gangliosides as a potential new class of stem cell markers: the case of GD1a in human bone marrow mesenchymal stem cells. Journal of Lipid Research, 2014, 55, 549-560.	4.2	33
21	Molecular subtyping of metastatic melanoma based on cell ganglioside metabolism profiles. BMC Cancer, 2014, 14, 560.	2.6	30
22	Sialidase NEU4 is involved in glioblastoma stem cell survival. Cell Death and Disease, 2014, 5, e1381-e1381.	6.3	27
23	Dexamethasoneâ€Induced Skeletal Muscle Atrophy Increases Oâ€GlcNAcylation in C2C12 Cells. Journal of Cellular Biochemistry, 2016, 117, 1833-1842.	2.6	26
24	Erythrocyte membrane alterations during ageing affect ?-glucuronidase and neutral sialidase in elderly healthy subjects. Experimental Gerontology, 2005, 40, 219-225.	2.8	25
25	MmNEU3 sialidase overâ€expression in C2C12 myoblasts delays differentiation and induces hypertrophic myotube formation. Journal of Cellular Biochemistry, 2012, 113, 2967-2978.	2.6	23
26	NEU4L sialidase overexpression promotes Î²â€catenin signaling in neuroblastoma cells, enhancing stemâ€like malignant cell growth. International Journal of Cancer, 2012, 131, 1768-1778.	5.1	22
27	Insights into the Binding of Cyclic RGD Peptidomimetics to Î±₅Î²₁Integrin by using Live-Cell NMR And Computational Studies. ChemistryOpen, 2017, 6, 128-136.	1.9	21
28	The synthetic purine reversine selectively induces cell death of cancer cells. Journal of Cellular Biochemistry, 2012, 113, 3207-3217.	2.6	18
29	Protective role of 17-Î²-estradiol towards IL-6 leukocyte expression induced by intense training in young female athletes. Journal of Sports Sciences, 2014, 32, 452-461.	2.0	18
30	Modification of sialidase levels and sialoglycoconjugate pattern during erythroid and erytroleukemic cell differentiation. Glycoconjugate Journal, 2006, 24, 67-79.	2.7	17
31	Prevalence of a characteristic gene profile in high-level rhythmic gymnasts. Journal of Sports Sciences, 2014, 32, 1409-1415.	2.0	17
32	Identification of lysosomal sialidase NEU1 and plasma membrane sialidase NEU3 in human erythrocytes. Journal of Cellular Biochemistry, 2013, 114, 204-211.	2.6	16
33	Glycoglycerolipid analogues inhibit PKC translocation to the plasma membrane and downstream signaling pathways in PMA-treated fibroblasts and human glioblastoma cells, U87MG. European Journal of Medicinal Chemistry, 2011, 46, 1827-1834.	5.5	13
34	A bidirectional crosstalk between glioblastoma and brain endothelial cells potentiates the angiogenic and proliferative signaling of sphingosine-1-phosphate in the glioblastoma microenvironment. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1179-1192.	2.4	12
35	The Role of Sphingolipids in Cancer Immunotherapy. International Journal of Molecular Sciences, 2021, 22, 6492.	4.1	11
36	Erythrocyte glycohydrolases in subjects with trisomy 21: Could Down's syndrome be a model of accelerated ageing?. Mechanisms of Ageing and Development, 2006, 127, 324-331.	4.6	10

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37	Over-expression of mammalian sialidase NEU3 reduces Newcastle disease virus entry and propagation in COS7 cells. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 504-512.	2.4	9
38	A proline-rich loop mediates specific functions of human sialidase NEU4 in SK-N-BE neuronal differentiation. Glycobiology, 2013, 23, 1499-1509.	2.5	8
39	Galactocerebrosidase deficiency induces an increase in lactosylceramide content: A new hallmark of Krabbe disease?. International Journal of Biochemistry and Cell Biology, 2022, 145, 106184.	2.8	8
40	Ceramide and Sphingosine-1-Phosphate in Neurodegenerative Disorders and Their Potential Involvement in Therapy. International Journal of Molecular Sciences, 2022, 23, 7806.	4.1	8
41	Different behavior of ghost-linked acidic and neutral sialidases during human erythrocyte ageing. Glycoconjugate Journal, 2001, 18, 407-418.	2.7	5
42	Membrane restructuring following in situ sialidase digestion of gangliosides: Complex model bilayers by synchrotron radiation reflectivity. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 845-851.	2.6	5
43	Extracellular Sphingosine-1-Phosphate Downstream of EGFR Increases Human Glioblastoma Cell Survival. International Journal of Molecular Sciences, 2021, 22, 6824.	4.1	4
44	Acidic and neutral sialidase in the erythrocytes of patients with type 2 diabetes: an answer to comments by Richard et al. Blood, 2003, 101, 2071-2071.	1.4	2
45	HSP105 Inhibition Counteracts Key Oncogenic Pathways and Hampers the Growth of Human Aggressive B-Cell Non-Hodgkin Lymphoma. Blood, 2012, 120, 1562-1562.	1.4	1