Marta A Toscano

List of Publications by Year
in descending order

46 papers	5,807 citations	172457 29 h-index	223800 46 g-index
48 all docs	48 docs citations	48 times ranked	6118 citing authors

#	Article	IF	Citations
1	Turning 'sweet' on immunity: galectinâ€“glycan interactions in immune tolerance and inflammation. Nature Reviews Immunology, 2009, 9, 338-352.	22.7	784
2	Differential glycosylation of TH1, TH2 and TH-17 effector cells selectively regulates susceptibility to cell death. Nature Immunology, 2007, 8, 825-834.	14.5	574
3	Targeted inhibition of galectin-1 gene expression in tumor cells results in heightened T cell-mediated rejection. Cancer Cell, 2004, 5, 241-251.	16.8	497
4	A pivotal role for galectin-1 in fetomaternal tolerance. Nature Medicine, 2007, 13, 1450-1457.	30.7	431
5	Glycosylation-Dependent Lectin-Receptor Interactions Preserve Angiogenesis in Anti-VEGF Refractory Tumors. Cell, 2014, 156, 744-758.	28.9	423
6	Tolerogenic signals delivered by dendritic cells to T cells through a galectin-1-driven immunoregulatory circuit involving interleukin 27 and interleukin 10. Nature Immunology, 2009, 10, 981-991.	14.5	403
7	Functions of cell surface galectin-glycoprotein lattices. Current Opinion in Structural Biology, 2007, 17, 513-520.	5.7	341
8	Targeting Galectin-1 Overcomes Breast Cancer-Associated Immunosuppression and Prevents Metastatic Disease. Cancer Research, 2013, 73, 1107-1117.	0.9	216
9	Role of galectins in inflammatory and immunomodulatory processes. Biochimica Et Biophysica Acta - General Subjects, 2002, 1572, 274-284.	2.4	202
10	A Novel Function for Galectin-1 at the Crossroad of Innate and Adaptive Immunity: Galectin-1 Regulates Monocyte/Macrophage Physiology through a Nonapoptotic ERK-Dependent Pathway. Journal of Immunology, 2007, 178, 436-445.	0.8	186
11	Galectin-1 Suppresses Autoimmune Retinal Disease by Promoting Concomitant Th2- and T Regulatory-Mediated Anti-Inflammatory Responses. Journal of Immunology, 2006, 176, 6323-6332.	0.8	180
12	Disrupting galectin-1 interactions with N-glycans suppresses hypoxia-driven angiogenesis and tumorigenesis in Kaposiâ€™s sarcoma. Journal of Experimental Medicine, 2012, 209, 1985-2000.	8.5	168
13	The role of galectins in the initiation, amplification and resolution of the inflammatory response. Tissue Antigens, 2004, 64, 1-12.	1.0	161
14	Galectin-1 Sensitizes Resting Human T Lymphocytes to Fas (CD95)-mediated Cell Death via Mitochondrial Hyperpolarization, Budding, and Fission. Journal of Biological Chemistry, 2005, 280, 6969-6985.	3.4	157
15	Galectin-3 and soluble fibrinogen act in concert to modulate neutrophil activation and survival: involvement of alternative MAPK pathways. Glycobiology, 2005, 15, 519-527.	2.5	95
16	Translating the â€˜Sugar Codeâ€™ into Immune and Vascular Signaling Programs. Trends in Biochemical Sciences, 2017, 42, 255-273.	7.5	95
17	Galectin-1 as a potential therapeutic target in autoimmune disorders and cancer. Expert Opinion on Biological Therapy, 2008, 8, 45-57.	3.1	79
18	Regulated expression of galectin-1 during T-cell activation involves Lck and Fyn kinases and signaling through MEK1/ERK, p38 MAP kinase and p70S6kinase. Molecular and Cellular Biochemistry, 2004, 267, 177-185.	3.1	73

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19	Dissecting the pathophysiologic role of endogenous lectins: Glycan-binding proteins with cytokine-like activity?. Cytokine and Growth Factor Reviews, 2007, 18, 57-71.	7.2	71
20	Shedding light on the immunomodulatory properties of galectins: Novel regulators of innate and adaptive immune responses. Glycoconjugate Journal, 2002, 19, 565-573.	2.7	68
21	Galectin-1 confers immune privilege to human trophoblast: implications in recurrent fetal loss. Glycobiology, 2012, 22, 1374-1386.	2.5	56
22	Untangling Galectin-Driven Regulatory Circuits in Autoimmune Inflammation. Trends in Molecular Medicine, 2018, 24, 348-363.	6.7	54
23	Nurse-like cells control the activity of chronic lymphocytic leukemia B cells via galectin-1. Leukemia, 2013, 27, 1413-1416.	7.2	47
24	Nuclear factor (NF)-Î¹B controls expression of the immunoregulatory glycan-binding protein galectin-1. Molecular Immunology, 2011, 48, 1940-1949.	2.2	45
25	Galectin-1 Prevents Infection and Damage Induced by Trypanosoma cruzi on Cardiac Cells. PLoS Neglected Tropical Diseases, 2015, 9, e0004148.	3.0	39
26	Regulation of galectin-1 expression by transforming growth factor Î²1 in metastatic mammary adenocarcinoma cells: implications for tumor-immune escape. Cancer Immunology, Immunotherapy, 2007, 56, 491-499.	4.2	37
27	Suppression of age-related salivary gland autoimmunity by glycosylation-dependent galectin-1-driven immune inhibitory circuits. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6630-6639.	7.1	37
28	A galectinâ€specific signature in the gut delineates <scp>C</scp>rohn's disease and ulcerative colitis from other human inflammatory intestinal disorders. BioFactors, 2016, 42, 93-105.	5.4	34
29	Impact of proteinâ€“glycan interactions in the regulation of autoimmunity and chronic inflammation. Autoimmunity Reviews, 2006, 5, 349-356.	5.8	30
30	Dissecting the signal transduction pathways triggered by galectinâ€“glycan interactions in physiological and pathological settings. IUBMB Life, 2010, 62, 1-13.	3.4	29
31	Lack of TNFR p55 Results in Heightened Expression of IFN-Î³ and IL-17 during the Development of Reactive Arthritis. Journal of Immunology, 2010, 185, 4485-4495.	0.8	28
32	Regulated Expression of Galectin-1 after In Vitro Productive Infection with Herpes Simplex Virus Type I: Implications for T Cell Apoptosis. International Journal of Immunopathology and Pharmacology, 2005, 18, 615-623.	2.1	24
33	Lack of galectin-3 increases Jagged1/Notch activation in bone marrow-derived dendritic cells and promotes dysregulation of T helper cell polarization. Molecular Immunology, 2016, 76, 22-34.	2.2	22
34	Inflammation Controls Sensitivity of Human and Mouse Intestinal Epithelial Cells to Galectin-1. Journal of Cellular Physiology, 2016, 231, 1575-1585.	4.1	19
35	The glycan-binding protein galectin-1 controls survival of epithelial cells along the crypt-villus axis of small intestine. Cell Death and Disease, 2011, 2, e163-e163.	6.3	16
36	Endogenous galectinâ€3 controls experimental malaria in a speciesâ€specific manner. Parasite Immunology, 2012, 34, 383-387.	1.5	16

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37	Low-dose cyclophosphamide modulates galectin-1 expression and function in an experimental rat lymphoma model. Cancer Immunology, Immunotherapy, 2006, 56, 237-248.	4.2	14
38	Duodenal Intraepithelial Lymphocytes of Children with Cow Milk Allergy Preferentially Bind the Glycan-Binding Protein Galectin-3. International Journal of Immunopathology and Pharmacology, 2009, 22, 207-217.	2.1	13
39	Control of intestinal inflammation by glycosylation-dependent lectin-driven immunoregulatory circuits. Science Advances, 2021, 7, .	10.3	12
40	Galectins: Key Players at the Frontiers of Innate and Adaptive Immunity. Trends in Glycoscience and Glycotechnology, 2018, 30, SE97-SE107.	0.1	8
41	The Sweet Kiss of Death: A Link between Galectin-1, Glycosylation and the Generation of Immune Privilege. Trends in Glycoscience and Glycotechnology, 2005, 17, 133-143.	0.1	8
42	Study of Galectins in Tumor Immunity: Strategies and Methods. Methods in Molecular Biology, 2015, 1207, 249-268.	0.9	5
43	Roles of galectins in chronic inflammatory microenvironments. Future Rheumatology, 2006, 1, 441-454.	0.2	3
44	Regulation of Galectins by Hypoxia and Their Relevance in Angiogenesis: Strategies and Methods. Methods in Molecular Biology, 2015, 1207, 293-304.	0.9	3
45	Oligonucleotide IMT504 Improves Glucose Metabolism and Controls Immune Cell Mediators in Female Diabetic NOD Mice. Nucleic Acid Therapeutics, 2021, 31, 155-171.	3.6	3
46	Spatiotemporal regulation of galectin-1-induced T-cell death in lamina propria from Crohnâ€™s disease and ulcerative colitis patients. Apoptosis: an International Journal on Programmed Cell Death, 2021, 26, 323-337.	4.9	0