

Diego O Croci

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,435
citations

147726

31
h-index

143943

57
g-index

58
all docs

58
docs citations

58
times ranked

5449
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Differential glycosylation of TH1, TH2 and TH-17 effector cells selectively regulates susceptibility to cell death. <i>Nature Immunology</i> , 2007, 8, 825-834. | 7.0 | 574 |
| 2 | Glycosylation-Dependent Lectin-Receptor Interactions Preserve Angiogenesis in Anti-VEGF Refractory Tumors. <i>Cell</i> , 2014, 156, 744-758. | 13.5 | 423 |
| 3 | Tolerogenic signals delivered by dendritic cells to T cells through a galectin-1-driven immunoregulatory circuit involving interleukin 27 and interleukin 10. <i>Nature Immunology</i> , 2009, 10, 981-991. | 7.0 | 403 |
| 4 | Galectin-1 Deactivates Classically Activated Microglia and Protects from Inflammation-Induced Neurodegeneration. <i>Immunity</i> , 2012, 37, 249-263. | 6.6 | 313 |
| 5 | Regulatory Circuits Mediated by Lectin-Glycan Interactions in Autoimmunity and Cancer. <i>Immunity</i> , 2012, 36, 322-335. | 6.6 | 307 |
| 6 | Targeting Galectin-1 Overcomes Breast Cancer-Associated Immunosuppression and Prevents Metastatic Disease. <i>Cancer Research</i> , 2013, 73, 1107-1117. | 0.4 | 216 |
| 7 | Dynamic cross-talk between tumor and immune cells in orchestrating the immunosuppressive network at the tumor microenvironment. <i>Cancer Immunology, Immunotherapy</i> , 2007, 56, 1687-1700. | 2.0 | 188 |
| 8 | Disrupting galectin-1 interactions with N-glycans suppresses hypoxia-driven angiogenesis and tumorigenesis in Kaposi's sarcoma. <i>Journal of Experimental Medicine</i> , 2012, 209, 1985-2000. | 4.2 | 168 |
| 9 | A Unique Galectin Signature in Human Prostate Cancer Progression Suggests Galectin-1 as a Key Target for Treatment of Advanced Disease. <i>Cancer Research</i> , 2013, 73, 86-96. | 0.4 | 142 |
| 10 | Modulation of endothelial cell migration and angiogenesis: a novel function for the tandem-repeat lectin galectin-8. <i>FASEB Journal</i> , 2011, 25, 242-254. | 0.2 | 123 |
| 11 | Fucans, but Not Fucomannoglucuronans, Determine the Biological Activities of Sulfated Polysaccharides from <i>Laminaria saccharina</i> Brown Seaweed. <i>PLoS ONE</i> , 2011, 6, e17283. | 1.1 | 104 |
| 12 | Translating the "Sugar Code" into Immune and Vascular Signaling Programs. <i>Trends in Biochemical Sciences</i> , 2017, 42, 255-273. | 3.7 | 95 |
| 13 | Galectin-1 as a potential therapeutic target in autoimmune disorders and cancer. <i>Expert Opinion on Biological Therapy</i> , 2008, 8, 45-57. | 1.4 | 79 |
| 14 | The immunoregulatory glycan-binding protein galectin-1 triggers human platelet activation. <i>FASEB Journal</i> , 2008, 22, 1113-1123. | 0.2 | 72 |
| 15 | Dissecting the pathophysiologic role of endogenous lectins: Glycan-binding proteins with cytokine-like activity?. <i>Cytokine and Growth Factor Reviews</i> , 2007, 18, 57-71. | 3.2 | 71 |
| 16 | Histone deacetylase inhibitors impair NK cell viability and effector functions through inhibition of activation and receptor expression. <i>Journal of Leukocyte Biology</i> , 2011, 91, 321-331. | 1.5 | 65 |
| 17 | Galectin-1 fosters an immunosuppressive microenvironment in colorectal cancer by reprogramming CD8 ⁺ regulatory T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 58 |
| 18 | Regulated expression of galectin-3, a multifunctional glycan-binding protein, in haematopoietic and non-haematopoietic tissues. <i>Histology and Histopathology</i> , 2011, 26, 247-65. | 0.5 | 58 |

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|----|---|-----|-----------|
| 19 | Glioblastomas exploit truncated O-linked glycans for local and distant immune modulation via the macrophage galactose-type lectin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3693-3703. | 3.3 | 57 |
| 20 | Galectins: Multitask signaling molecules linking fibroblast, endothelial and immune cell programs in the tumor microenvironment. <i>Cellular Immunology</i> , 2018, 333, 34-45. | 1.4 | 52 |
| 21 | Multiple Functional Targets of the Immunoregulatory Activity of Galectin-1. <i>Methods in Enzymology</i> , 2010, 480, 199-244. | 0.4 | 51 |
| 22 | Regulatory role of glycans in the control of hypoxia-driven angiogenesis and sensitivity to anti-angiogenic treatment. <i>Glycobiology</i> , 2014, 24, 1283-1290. | 1.3 | 51 |
| 23 | Novel roles of galectin-1 in hepatocellular carcinoma cell adhesion, polarization, and <i>in vivo</i> tumor growth. <i>Hepatology</i> , 2011, 53, 2097-2106. | 3.6 | 49 |
| 24 | Apoptosis resistance in HIV-1 persistently-infected cells is independent of active viral replication and involves modulation of the apoptotic mitochondrial pathway. <i>Retrovirology</i> , 2008, 5, 19. | 0.9 | 48 |
| 25 | Nuclear factor (NF)- κ B controls expression of the immunoregulatory glycan-binding protein galectin-1. <i>Molecular Immunology</i> , 2011, 48, 1940-1949. | 1.0 | 45 |
| 26 | Binding of galectin-1 to α IIb β 3 integrin triggers <i>outside-in</i> signals, stimulates platelet activation, and controls primary hemostasis. <i>FASEB Journal</i> , 2012, 26, 2788-2798. | 0.2 | 41 |
| 27 | Silencing survivin gene expression promotes apoptosis of human breast cancer cells through a caspase-independent pathway. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 381-390. | 1.2 | 39 |
| 28 | Galectins in hematological malignancies. <i>Current Opinion in Hematology</i> , 2013, 20, 327-335. | 1.2 | 38 |
| 29 | Glycosylation-dependent galectin-1 receptor interactions promote <i>Chlamydia trachomatis</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6000-E6009. | 3.3 | 38 |
| 30 | Glyco-nano-oncology: Novel therapeutic opportunities by combining small and sweet. <i>Pharmacological Research</i> , 2016, 109, 45-54. | 3.1 | 37 |
| 31 | Suppression of age-related salivary gland autoimmunity by glycosylation-dependent galectin-1-driven immune inhibitory circuits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6630-6639. | 3.3 | 37 |
| 32 | Hypoxia Supports Differentiation of Terminally Exhausted CD8 T Cells. <i>Frontiers in Immunology</i> , 2021, 12, 660944. | 2.2 | 37 |
| 33 | Dissecting the signal transduction pathways triggered by galectin-1-glycan interactions in physiological and pathological settings. <i>IUBMB Life</i> , 2010, 62, 1-13. | 1.5 | 29 |
| 34 | Galectin-1 expression imprints a neurovascular phenotype in proliferative retinopathies and delineates responses to anti-VEGF. <i>Oncotarget</i> , 2017, 8, 32505-32522. | 0.8 | 27 |
| 35 | Overcoming the Hurdles of Tumor Immunity by Targeting Regulatory Pathways in Innate and Adaptive Immune Cells. <i>Current Pharmaceutical Design</i> , 2010, 16, 255-267. | 0.9 | 25 |
| 36 | Endogenous lectins shape the function of dendritic cells and tailor adaptive immunity: Mechanisms and biomedical applications. <i>International Immunopharmacology</i> , 2011, 11, 833-841. | 1.7 | 25 |

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|----|---|-----|-----------|
| 37 | Targeting galectin-1-induced angiogenesis mitigates the severity of endometriosis. <i>Journal of Pathology</i> , 2014, 234, 329-337. | 2.1 | 25 |
| 38 | Characterization of a neutralizing anti-human galectin-1 monoclonal antibody with angioregulatory and immunomodulatory activities. <i>Angiogenesis</i> , 2021, 24, 1-5. | 3.7 | 24 |
| 39 | The Tn antigen promotes lung tumor growth by fostering immunosuppression and angiogenesis via interaction with Macrophage Galactose-type lectin 2 (MGL2). <i>Cancer Letters</i> , 2021, 518, 72-81. | 3.2 | 24 |
| 40 | Integrating structure and function of tandem-repeat galectins. <i>Frontiers in Bioscience - Scholar</i> , 2012, S4, 864-887. | 0.8 | 20 |
| 41 | Linking the Structure and Thermal Stability of β -Galactoside-Binding Protein Galectin-1 to Ligand Binding and Dimerization Equilibria. <i>Biochemistry</i> , 2010, 49, 7652-7658. | 1.2 | 18 |
| 42 | Cell-type specific regulation of galectin-3 expression by glucocorticoids in lung Clara cells and macrophages. <i>Histology and Histopathology</i> , 2011, 26, 747-59. | 0.5 | 16 |
| 43 | Linking tumor hypoxia with VEGFR2 signaling and compensatory angiogenesis. <i>Oncolmmunology</i> , 2014, 3, e29380. | 2.1 | 15 |
| 44 | An adipose tissue galectin controls endothelial cell function via preferential recognition of α -fucosylated glycans. <i>FASEB Journal</i> , 2020, 34, 735-753. | 0.2 | 15 |
| 45 | The galectin-glycan axis controls sperm fertilizing capacity by regulating sperm motility and membrane hyperpolarization. <i>FASEB Journal</i> , 2015, 29, 4189-4200. | 0.2 | 13 |
| 46 | Control of intestinal inflammation by glycosylation-dependent lectin-driven immunoregulatory circuits. <i>Science Advances</i> , 2021, 7, . | 4.7 | 12 |
| 47 | Galectins as potential therapeutic targets in STIs in the female genital tract. <i>Nature Reviews Urology</i> , 2022, 19, 240-252. | 1.9 | 12 |
| 48 | Galectins as Emerging Glyco-Checkpoints and Therapeutic Targets in Glioblastoma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 316. | 1.8 | 11 |
| 49 | Immune-Mediated and Hypoxia-Regulated Programs: Accomplices in Resistance to Anti-angiogenic Therapies. <i>Handbook of Experimental Pharmacology</i> , 2017, 249, 31-61. | 0.9 | 10 |
| 50 | Tumor Necrosis Factor Receptor-1 (p55) Deficiency Attenuates Tumor Growth and Intratumoral Angiogenesis and Stimulates CD8+ T Cell Function in Melanoma. <i>Cells</i> , 2020, 9, 2469. | 1.8 | 7 |
| 51 | Galectin-1 impacts on glucose homeostasis by modulating pancreatic insulin release. <i>Glycobiology</i> , 2021, 31, 908-915. | 1.3 | 6 |
| 52 | The aggressiveness of murine lymphomas selected in vivo by growth rate correlates with galectin-1 expression and response to cyclophosphamide. <i>Cancer Immunology, Immunotherapy</i> , 2012, 61, 469-480. | 2.0 | 5 |
| 53 | "Time sweet time": circadian characterization of galectin-1 null mice. <i>Journal of Circadian Rhythms</i> , 2014, 8, 4. | 2.9 | 5 |
| 54 | Study of Galectins in Tumor Immunity: Strategies and Methods. <i>Methods in Molecular Biology</i> , 2015, 1207, 249-268. | 0.4 | 5 |

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|----|---|-----|-----------|
| 55 | Regulation of Galectins by Hypoxia and Their Relevance in Angiogenesis: Strategies and Methods. <i>Methods in Molecular Biology</i> , 2015, 1207, 293-304. | 0.4 | 3 |
| 56 | Expression and function of cathelicidin hCAP18/LL-37 in chronic lymphocytic leukemia. <i>Haematologica</i> , 2020, 105, e465-469. | 1.7 | 3 |
| 57 | Untangling Galectin-Mediated Circuits that Control Hypoxia-Driven Angiogenesis. <i>Methods in Molecular Biology</i> , 2022, 2442, 635-653. | 0.4 | 1 |
| 58 | Abstract 3547: Disruption of Galectin1-glycan interaction impairs tumor growth and metastasis in breast cancer by disarming the immunosuppressive capacity of regulatory T cells. , 2012, , . | | 0 |