Juan-JesÃºs GarcÃ-a-Vallejo

List of Publications by Year
in descending order

102 papers	5,921 citations	53794 45 h-index	79698 73 g-index
103 all docs	103 docs citations	103 times ranked	8929 citing authors

#	Article	IF	Citations
1	Glycosylation-Dependent Lectin-Receptor Interactions Preserve Angiogenesis in Anti-VEGF Refractory Tumors. Cell, 2014, 156, 744-758.	28.9	423
2	Neuroinflammation: Microglia and T Cells Get Ready to Tango. Frontiers in Immunology, 2017, 8, 1905.	4.8	257
3	Specificity of DC-SIGN for mannose- and fucose-containing glycans. FEBS Letters, 2006, 580, 6123-6131.	2.8	241
4	Quantifying exosome secretion from single cells reveals a modulatory role for GPCR signaling. Journal of Cell Biology, 2018, 217, 1129-1142.	5.2	227
5	Schistosoma mansoni soluble egg antigens are internalized by human dendritic cells through multiple C-type lectins and suppress TLR-induced dendritic cell activation. Molecular Immunology, 2007, 44, 2605-2615.	2.2	219
6	The physiological role of DC-SIGN: A tale of mice and men. Trends in Immunology, 2013, 34, 482-486.	6.8	167
7	Dendritic cells and Câ€type lectin receptors: coupling innate to adaptive immune responses. Immunology and Cell Biology, 2008, 86, 580-587.	2.3	164
8	Sialic acid-modified antigens impose tolerance via inhibition of T-cell proliferation and de novo induction of regulatory T cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3329-3334.	7.1	135
9	Dendritic Cell Maturation Results in Pronounced Changes in Glycan Expression Affecting Recognition by Siglecs and Galectins. Journal of Immunology, 2007, 179, 8216-8224.	0.8	117
10	Sialic acids in pancreatic cancer cells drive tumour-associated macrophage differentiation via the Siglec receptors Siglec-7 and Siglec-9. Nature Communications, 2021, 12, 1270.	12.8	111
11	Targeting glycan modified OVA to murine DC-SIGN transgenic dendritic cells enhances MHC class I and II presentation. Molecular Immunology, 2009, 47, 164-174.	2.2	109
12	Endogenous ligands for Câ€type lectin receptors: the true regulators of immune homeostasis. Immunological Reviews, 2009, 230, 22-37.	6.0	107
13	Understanding the Biology of Antigen Cross-Presentation for the Design of Vaccines Against Cancer. Frontiers in Immunology, 2014, 5, 149.	4.8	106
14	Functional CD169 on Macrophages Mediates Interaction with Dendritic Cells for CD8+ T Cell Cross-Priming. Cell Reports, 2018, 22, 1484-1495.	6.4	106
15	Glycan-based DC-SIGN targeting vaccines to enhance antigen cross-presentation. Molecular Immunology, 2013, 55, 143-145.	2.2	105
16	CNS myelin induces regulatory functions of DC-SIGNâ€“expressing, antigen-presenting cells via cognate interaction with MOG. Journal of Experimental Medicine, 2014, 211, 1465-1483.	8.5	104
17	Multivalent glycopeptide dendrimers for the targeted delivery of antigens to dendritic cells. Molecular Immunology, 2013, 53, 387-397.	2.2	96
18	Approach for defining endogenous reference genes in gene expression experiments. Analytical Biochemistry, 2004, 329, 293-299.	2.4	94

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19	TLR Triggering on Tolerogenic Dendritic Cells Results in TLR2 Up-Regulation and a Reduced Proinflammatory Immune Program. Journal of Immunology, 2009, 183, 2984-2994.	0.8	91
20	MGL signaling augments TLR2-mediated responses for enhanced IL-10 and TNF-Î± secretion. Journal of Leukocyte Biology, 2013, 94, 315-323.	3.3	91
21	P-Selectin Glycoprotein Ligand-1 Is Expressed on Endothelial Cells and Mediates Monocyte Adhesion to Activated Endothelium. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1023-1029.	2.4	87
22	Characterization of murine MGL1 and MGL2 C-type lectins: Distinct glycan specificities and tumor binding properties. Molecular Immunology, 2009, 46, 1240-1249.	2.2	86
23	Sortase A as a tool for highâ€yield histatin cyclization. FASEB Journal, 2011, 25, 2650-2658.	0.5	83
24	Recognition of tumor glycans by antigen-presenting cells. Current Opinion in Immunology, 2006, 18, 105-111.	5.5	82
25	Campylobacter jejuni Lipooligosaccharides Modulate Dendritic Cell-Mediated T Cell Polarization in a Sialic Acid Linkage-Dependent Manner. Infection and Immunity, 2011, 79, 2681-2689.	2.2	72
26	N-glycosylation Profiling of Colorectal Cancer Cell Lines Reveals Association of Fucosylation with Differentiation and Caudal Type Homebox 1 (CDX1)/Villin mRNA Expression. Molecular and Cellular Proteomics, 2016, 15, 124-140.	3.8	72
27	Glycan modification of glioblastomaâ€derived extracellular vesicles enhances receptorâ€mediated targeting of dendritic cells. Journal of Extracellular Vesicles, 2019, 8, 1648995.	12.2	72
28	Optical clearing and fluorescence deep-tissue imaging for 3D quantitative analysis of the brain tumor microenvironment. Angiogenesis, 2017, 20, 533-546.	7.2	71
29	Cross-presentation through langerin and DC-SIGN targeting requires different formulations of glycan-modified antigens. Journal of Controlled Release, 2015, 203, 67-76.	9.9	68
30	The ESX-5 System of Pathogenic Mycobacteria Is Involved In Capsule Integrity and Virulence through Its Substrate PPE10. PLoS Pathogens, 2016, 12, e1005696.	4.7	68
31	Activation of human endothelial cells by tumor necrosis factor-Î± results in profound changes in the expression of glycosylation-related genes. Journal of Cellular Physiology, 2006, 206, 203-210.	4.1	64
32	MPLA incorporation into DC-targeting glycoliposomes favours anti-tumour T cell responses. Journal of Controlled Release, 2015, 216, 37-46.	9.9	64
33	Glycosylated extracellular vesicles released by glioblastoma cells are decorated by CCL18 allowing for cellular uptake via chemokine receptor CCR8. Journal of Extracellular Vesicles, 2018, 7, 1446660.	12.2	64
34	DC-SIGN mediates adhesion and rolling of dendritic cells on primary human umbilical vein endothelial cells through LewisY antigen expressed on ICAM-2. Molecular Immunology, 2008, 45, 2359-2369.	2.2	62
35	Skin-Resident Antigen-Presenting Cells: Instruction Manual for Vaccine Development. Frontiers in Immunology, 2013, 4, 157.	4.8	57
36	Glioblastomas exploit truncated O - linked glycans for local and distant immune modulation via the macrophage galactose-type lectin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3693-3703.	7.1	57

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37	Transfusion of post-operative shed blood: laboratory characteristics and clinical utility. European Spine Journal, 2004, 13, S107-S113.	2.2	55
38	Convergent Actions of IÎºB Kinase Î² and Protein Kinase CÎ´ Modulate mRNA Stability through Phosphorylation of 14-3-3Î² Complexed with Tristetraprolin. Molecular and Cellular Biology, 2005, 25, 6454-6463.	2.3	55
39	Postoperative blood salvage and reinfusion in spinal surgery: blood quality, effectiveness and impact on patient blood parameters. European Spine Journal, 2000, 9, 458-465.	2.2	54
40	Moderate hyperoxic versus near-physiological oxygen targets during and after coronary artery bypass surgery: a randomised controlled trial. Critical Care, 2016, 20, 55.	5.8	54
41	CMV-specific CD8+ T-cell function is not impaired in chronic lymphocytic leukemia. Blood, 2014, 123, 717-724.	1.4	53
42	Galectin-2 Induces a Proinflammatory, Anti-Arteriogenic Phenotype in Monocytes and Macrophages. PLoS ONE, 2015, 10, e0124347.	2.5	51
43	Glycodendrimers prevent HIV transmission via DC-SIGN on dendritic cells. International Immunology, 2013, 25, 221-233.	4.0	50
44	Effective Targeting of DC-SIGN by Î±-Fucosylamide Functionalized Gold Nanoparticles. Bioconjugate Chemistry, 2014, 25, 2244-2251.	3.6	50
45	Glyco-Dendrimers as Intradermal Anti-Tumor Vaccine Targeting Multiple Skin DC Subsets. Theranostics, 2019, 9, 5797-5809.	10.0	48
46	DCIR interacts with ligands from both endogenous and pathogenic origin. Immunology Letters, 2014, 158, 33-41.	2.5	47
47	Glycan-Modified Melanoma-Derived Apoptotic Extracellular Vesicles as Antigen Source for Anti-Tumor Vaccination. Cancers, 2019, 11, 1266.	3.7	47
48	Glycan modification of the tumor antigen gp100 targets DCâ€SIGN to enhance dendritic cell induced antigen presentation to T cells. International Journal of Cancer, 2008, 122, 839-846.	5.1	46
49	Detection and removal of fat particles from postoperative salvaged blood in orthopedic surgery. Transfusion, 2002, 42, 66-75.	1.6	45
50	Toll-Like Receptor 4 Triggering Promotes Cytosolic Routing of DC-SIGN-Targeted Antigens for Presentation on MHC Class I. Frontiers in Immunology, 2018, 9, 1231.	4.8	43
51	Involvement of Î± 1â€2â€fucosyltransferase I (FUT1) and surfaceâ€expressed lewis^y (CD174) in first endothelial cellâ€“cell contacts during angiogenesis. Journal of Cellular Physiology, 2008, 215, 27-36.	4.1	41
52	Ligand Binding and Signaling of Dendritic Cell Immunoreceptor (DCIR) Is Modulated by the Glycosylation of the Carbohydrate Recognition Domain. PLoS ONE, 2013, 8, e66266.	2.5	39
53	Langerin-mediated internalization of a modified peptide routes antigens to early endosomes and enhances cross-presentation by human Langerhans cells. Cellular and Molecular Immunology, 2017, 14, 360-370.	10.5	37
54	Interaction of Polysialic Acid with CCL21 Regulates the Migratory Capacity of Human Dendritic Cells. PLoS ONE, 2009, 4, e6987.	2.5	37

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55	Internalization and presentation of myelin antigens by the brain endothelium guides antigen-specific T cell migration. ELife, 2016, 5, .	6.0	37
56	BODIPY-Labeled DC-SIGN-Targeting Glycodendrons Efficiently Internalize and Route to Lysosomes in Human Dendritic Cells. Biomacromolecules, 2012, 13, 3209-3219.	5.4	35
57	In situ Delivery of Antigen to DC-SIGN + CD14 + Dermal Dendritic Cells Results in Enhanced CD8 + T-Cell Responses. Journal of Investigative Dermatology, 2015, 135, 2228-2236.	0.7	35
58	Mouse DC-SIGN/CD209a as Target for Antigen Delivery and Adaptive Immunity. Frontiers in Immunology, 2018, 9, 990.	4.8	35
59	Glycan-based DC-SIGN targeting to enhance antigen cross-presentation in anticancer vaccines. OncoImmunology, 2013, 2, e23040.	4.6	34
60	Fasciola hepatica glycoconjugates immuneregulate dendritic cells through the Dendritic Cell-Specific Intercellular adhesion molecule-3-Grabbing Non-integrin inducing T cell anergy. Scientific Reports, 2017, 7, 46748.	3.3	34
61	Online nanoliquid chromatographyâ€“mass spectrometry and nanofluorescence detection for high-resolution quantitative N-glycan analysis. Analytical Biochemistry, 2012, 423, 153-162.	2.4	33
62	CD169 Defines Activated CD14+ Monocytes With Enhanced CD8+ T Cell Activation Capacity. Frontiers in Immunology, 2021, 12, 697840.	4.8	33
63	Interaction of the Capsular Polysaccharide A from Bacteroides fragilis with DC-SIGN on Human Dendritic Cells is Necessary for Its Processing and Presentation to T Cells. Frontiers in Immunology, 2013, 4, 103.	4.8	32
64	Tumor Necrosis Factor-Î± Up-regulates the Expression of Î²1,4-Galactosyltransferase I in Primary Human Endothelial Cells by mRNA Stabilization. Journal of Biological Chemistry, 2005, 280, 12676-12682.	3.4	31
65	Activated human PMN synthesize and release a strongly fucosylated glycoform of Î±1-acid glycoprotein, which is transiently deposited in human myocardial infarction. Journal of Leukocyte Biology, 2005, 78, 453-461.	3.3	30
66	Nuclear targeting of Î²-catenin and p120ctn during thrombin-induced endothelial barrier dysfunction. Cardiovascular Research, 2008, 79, 679-688.	3.8	30
67	DC-SIGN: The Strange Case of Dr. Jekyll and Mr. Hyde. Immunity, 2015, 42, 983-985.	14.3	30
68	Fasciola hepatica Immune Regulates CD11c+ Cells by Interacting with the Macrophage Gal/GalNAc Lectin. Frontiers in Immunology, 2017, 8, 264.	4.8	29
69	Human T Cell Activation Results in Extracellular Signal-regulated Kinase (ERK)-Calcineurin-dependent Exposure of Tn Antigen on the Cell Surface and Binding of the Macrophage Galactose-type Lectin (MGL)*. Journal of Biological Chemistry, 2013, 288, 27519-27532.	3.4	27
70	Glycan modification of antigen alters its intracellular routing in dendritic cells, promoting priming of T cells. ELife, 2016, 5, .	6.0	24
71	Gene Expression Analysis of Glycosylation-Related Genes by Real-Time Polymerase Chain Reaction. , 2006, 347, 187-210.		23
72	The Consequences of Multiple Simultaneous C-Type Lectinâ€“Ligand Interactions: DCIR Alters the Endo-Lysosomal Routing of DC-SIGN. Frontiers in Immunology, 2015, 6, 87.	4.8	23

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73	mTOR Inhibition Per Se Induces Nuclear Localization of FOXP3 and Conversion of Invariant NKT (iNKT) Cells into Immunosuppressive Regulatory iNKT Cells. Journal of Immunology, 2015, 195, 2038-2045.	0.8	23
74	Macrophage galactose-type lectin (MGL) is induced on M2 microglia and participates in the resolution phase of autoimmune neuroinflammation. Journal of Neuroinflammation, 2019, 16, 130.	7.2	23
75	Acute phase response in patients undergoing lumbar spinal surgery: modulation by perioperative treatment with naproxen and famotidine. European Spine Journal, 2004, 13, 367-73.	2.2	22
76	A cellular reporter to evaluate CRM1 nuclear export activity: functional analysis of the cancer-related mutant E571K. Cellular and Molecular Life Sciences, 2016, 73, 4685-4699.	5.4	21
77	New roles for CD14 and ILâ€Î² linking inflammatory dendritic cells to ILâ€17 production in memory CD4 + T cells. Immunology and Cell Biology, 2016, 94, 907-916.	2.3	19
78	Analytical Tools for the Study of Cellular Glycosylation in the Immune System. Frontiers in Immunology, 2013, 4, 451.	4.8	18
79	Phenotypic and Functional Properties of Human Steady State CD14+ and CD1a+ Antigen Presenting Cells and Epidermal Langerhans Cells. PLoS ONE, 2015, 10, e0143519.	2.5	18
80	Ipilimumab plus nivolumab and chemoradiotherapy followed by surgery in patients with resectable and borderline resectable T3-4N0â€“1 non-small cell lung cancer: the INCREASE trial. BMC Cancer, 2020, 20, 764.	2.6	18
81	The glycosylation of thymic microenvironments. Immunology Letters, 2007, 110, 65-73.	2.5	17
82	A Polymorphism in the Coding Region ofIl12bPromotes IL-12p70 and IL-23 Heterodimer Formation. Journal of Immunology, 2011, 186, 3572-3580.	0.8	16
83	OMIPâ€054: Broad Immune Phenotyping of Innate and Adaptive Leukocytes in the Brain, Spleen, and Bone Marrow of an Orthotopic Murine Glioblastoma Model by Mass Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 422-426.	1.5	16
84	Expression of aberrantly glycosylated tumor mucin-1 on human DC after transduction with a fiber-modified adenoviral vector. Cytotherapy, 2006, 8, 24-35.	0.7	13
85	Immobilization of Î²-galactosidase and Î±-mannosidase onto magnetic nanoparticles: A strategy for increasing the potentiality of valuable glycomic tools for glycosylation analysis and biological role determination of glycoconjugates. Enzyme and Microbial Technology, 2018, 117, 45-55.	3.2	12
86	Enhanced glycan nanoprofiling by weak anion exchange preparative chromatography, mild acid desialylation, and nanoliquid chromatographyâ€mass spectrometry with nanofluorescence detection. Electrophoresis, 2013, 34, 2350-2356.	2.4	11
87	The release of cytokines by macrophages is not affected by myelin ingestion. Glia, 2010, 58, 1928-1936.	4.9	10
88	Distinct antigen uptake receptors route to the same storage compartments for crossâ€presentation in dendritic cells. Immunology, 2021, 164, 494-506.	4.4	8
89	Analysis of the glyco-code in pancreatic ductal adenocarcinoma identifies glycan-mediated immune regulatory circuits. Communications Biology, 2022, 5, 41.	4.4	8
90	Palmitic acid increases pro-oxidant adaptor protein p66Shc expression and affects vascularization factors in angiogenic mononuclear cells: Action of resveratrol. Vascular Pharmacology, 2015, 75, 7-18.	2.1	7

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91	Adaptable antigen matrix platforms for peptide vaccination strategies and T cell-mediated anti-tumor immunity. Biomaterials, 2020, 262, 120342.	11.4	7
92	Erythrocyte haemotoxicity profiling of snake venom toxins after nanofractionation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1176, 122586.	2.3	7
93	Immune involvement of the contralateral hemisphere in a glioblastoma mouse model. , 2020, 8, e000323.		6
94	A new cellular target for Yersinia pestis. Immunology and Cell Biology, 2015, 93, 769-770.	2.3	3
95	Apoptotic vesicles as tumor vaccine. Immunotherapy, 2016, 8, 5-8.	2.0	3
96	Palmitoylated antigens for the induction of anti-tumor CD8+ TÂcells and enhanced tumor recognition. Molecular Therapy - Oncolytics, 2021, 21, 315-328.	4.4	3
97	DC-SIGN. C-Type Lectin with Prominent Role in Immune System. , 2015, , 649-659.		3
98	Human cytomegalovirus-based immunotherapy to treat glioblastoma: Into the future. OncoImmunology, 2016, 5, e1214791.	4.6	2
99	Antigen-Presenting Cells in the Central Nervous System. , 2013, , 71-94.		1
100	Targeting siglec-E on murine dendritic cells inhibits antigen presentation and CD4 and CD8 t cell responses. Annals of the Rheumatic Diseases, 2010, 69, A42-A42.	0.9	0
101	CMV-Specific CD8+ T-CELL Function Is NOT Impaired In CLL. Blood, 2013, 122, 2862-2862.	1.4	0
102	DC-SIGN. A C-Type Lectin with a Prominent Role in the Immune System. , 2014, , 1-12.		0