

# Juan-Jesús García-a-Vallejo

## List of Publications by Year in descending order

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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	Analysis of the glyco-code in pancreatic ductal adenocarcinoma identifies glycan-mediated immune regulatory circuits. <i>Communications Biology</i> , 2022, 5, 41.	4.4	8
2	Sialic acids in pancreatic cancer cells drive tumour-associated macrophage differentiation via the Siglec receptors Siglec-7 and Siglec-9. <i>Nature Communications</i> , 2021, 12, 1270.	12.8	111
3	Palmitoylated antigens for the induction of anti-tumor CD8+ T cells and enhanced tumor recognition. <i>Molecular Therapy - Oncolytics</i> , 2021, 21, 315-328.	4.4	3
4	Distinct antigen uptake receptors route to the same storage compartments for cross-presentation in dendritic cells. <i>Immunology</i> , 2021, 164, 494-506.	4.4	8
5	Erythrocyte haemotoxicity profiling of snake venom toxins after nanofractionation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1176, 122586.	2.3	7
6	CD169 Defines Activated CD14+ Monocytes With Enhanced CD8+ T Cell Activation Capacity. <i>Frontiers in Immunology</i> , 2021, 12, 697840.	4.8	33
7	Adaptable antigen matrix platforms for peptide vaccination strategies and T cell-mediated anti-tumor immunity. <i>Biomaterials</i> , 2020, 262, 120342.	11.4	7
8	Ipilimumab plus nivolumab and chemoradiotherapy followed by surgery in patients with resectable and borderline resectable T3-4N0-1 non-small cell lung cancer: the INCREASE trial. <i>BMC Cancer</i> , 2020, 20, 764.	2.6	18
9	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.	7.1	57
10	Immune involvement of the contralateral hemisphere in a glioblastoma mouse model. , 2020, 8, e000323.		6
11	Macrophage galactose-type lectin (MGL) is induced on M2 microglia and participates in the resolution phase of autoimmune neuroinflammation. <i>Journal of Neuroinflammation</i> , 2019, 16, 130.	7.2	23
12	Glycan modification of glioblastoma-derived extracellular vesicles enhances receptor-mediated targeting of dendritic cells. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1648995.	12.2	72
13	Glycan-Modified Melanoma-Derived Apoptotic Extracellular Vesicles as Antigen Source for Anti-Tumor Vaccination. <i>Cancers</i> , 2019, 11, 1266.	3.7	47
14	OMIP054: Broad Immune Phenotyping of Innate and Adaptive Leukocytes in the Brain, Spleen, and Bone Marrow of an Orthotopic Murine Glioblastoma Model by Mass Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 422-426.	1.5	16
15	Glyco-Dendrimers as Intradermal Anti-Tumor Vaccine Targeting Multiple Skin DC Subsets. <i>Theranostics</i> , 2019, 9, 5797-5809.	10.0	48
16	Glycosylated extracellular vesicles released by glioblastoma cells are decorated by CCL18 allowing for cellular uptake via chemokine receptor CCR8. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1446660.	12.2	64
17	Functional CD169 on Macrophages Mediates Interaction with Dendritic Cells for CD8+ T Cell Cross-Priming. <i>Cell Reports</i> , 2018, 22, 1484-1495.	6.4	106
18	Quantifying exosome secretion from single cells reveals a modulatory role for GPCR signaling. <i>Journal of Cell Biology</i> , 2018, 217, 1129-1142.	5.2	227

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19	Immobilization of $\beta$ -galactosidase and $\beta$ -mannosidase onto magnetic nanoparticles: A strategy for increasing the potentiality of valuable glycomic tools for glycosylation analysis and biological role determination of glycoconjugates. <i>Enzyme and Microbial Technology</i> , 2018, 117, 45-55.	3.2	12
20	Mouse DC-SIGN/CD209a as Target for Antigen Delivery and Adaptive Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 990.	4.8	35
21	Toll-Like Receptor 4 Triggering Promotes Cytosolic Routing of DC-SIGN-Targeted Antigens for Presentation on MHC Class I. <i>Frontiers in Immunology</i> , 2018, 9, 1231.	4.8	43
22	Langerin-mediated internalization of a modified peptide routes antigens to early endosomes and enhances cross-presentation by human Langerhans cells. <i>Cellular and Molecular Immunology</i> , 2017, 14, 360-370.	10.5	37
23	<i>Fasciola hepatica</i> glycoconjugates immunoregulate dendritic cells through the Dendritic Cell-Specific Intercellular adhesion molecule-3-Grabbing Non-integrin inducing T cell anergy. <i>Scientific Reports</i> , 2017, 7, 46748.	3.3	34
24	Optical clearing and fluorescence deep-tissue imaging for 3D quantitative analysis of the brain tumor microenvironment. <i>Angiogenesis</i> , 2017, 20, 533-546.	7.2	71
25	<i>Fasciola hepatica</i> Immune Regulates CD11c+ Cells by Interacting with the Macrophage Gal/GalNAc Lectin. <i>Frontiers in Immunology</i> , 2017, 8, 264.	4.8	29
26	Neuroinflammation: Microglia and T Cells Get Ready to Tango. <i>Frontiers in Immunology</i> , 2017, 8, 1905.	4.8	257
27	The ESX-5 System of Pathogenic Mycobacteria Is Involved In Capsule Integrity and Virulence through Its Substrate PPE10. <i>PLoS Pathogens</i> , 2016, 12, e1005696.	4.7	68
28	N-glycosylation Profiling of Colorectal Cancer Cell Lines Reveals Association of Fucosylation with Differentiation and Caudal Type Homebox 1 (CDX1)/Villin mRNA Expression. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 124-140.	3.8	72
29	New roles for CD14 and IL-1 $\beta$ linking inflammatory dendritic cells to IL-17 production in memory CD4 + T cells. <i>Immunology and Cell Biology</i> , 2016, 94, 907-916.	2.3	19
30	Human cytomegalovirus-based immunotherapy to treat glioblastoma: Into the future. <i>OncImmunology</i> , 2016, 5, e1214791.	4.6	2
31	A cellular reporter to evaluate CRM1 nuclear export activity: functional analysis of the cancer-related mutant E571K. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 4685-4699.	5.4	21
32	Moderate hyperoxic versus near-physiological oxygen targets during and after coronary artery bypass surgery: a randomised controlled trial. <i>Critical Care</i> , 2016, 20, 55.	5.8	54
33	Sialic acid-modified antigens impose tolerance via inhibition of T-cell proliferation and de novo induction of regulatory T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3329-3334.	7.1	135
34	Apoptotic vesicles as tumor vaccine. <i>Immunotherapy</i> , 2016, 8, 5-8.	2.0	3
35	Glycan modification of antigen alters its intracellular routing in dendritic cells, promoting priming of T cells. <i>ELife</i> , 2016, 5, .	6.0	24
36	Internalization and presentation of myelin antigens by the brain endothelium guides antigen-specific T cell migration. <i>ELife</i> , 2016, 5, .	6.0	37

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37	Phenotypic and Functional Properties of Human Steady State CD14+ and CD1a+ Antigen Presenting Cells and Epidermal Langerhans Cells. <i>PLoS ONE</i> , 2015, 10, e0143519.	2.5	18
38	Cross-presentation through langerin and DC-SIGN targeting requires different formulations of glycan-modified antigens. <i>Journal of Controlled Release</i> , 2015, 203, 67-76.	9.9	68
39	DC-SIGN: The Strange Case of Dr. Jekyll and Mr. Hyde. <i>Immunity</i> , 2015, 42, 983-985.	14.3	30
40	MPLA incorporation into DC-targeting glycoliposomes favours anti-tumour T cell responses. <i>Journal of Controlled Release</i> , 2015, 216, 37-46.	9.9	64
41	The Consequences of Multiple Simultaneous C-Type Lectin-Ligand Interactions: DCIR Alters the Endo-Lysosomal Routing of DC-SIGN. <i>Frontiers in Immunology</i> , 2015, 6, 87.	4.8	23
42	In situ Delivery of Antigen to DC-SIGN + CD14 + Dermal Dendritic Cells Results in Enhanced CD8 + T-Cell Responses. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2228-2236.	0.7	35
43	mTOR Inhibition Per Se Induces Nuclear Localization of FOXP3 and Conversion of Invariant NKT (iNKT) Cells into Immunosuppressive Regulatory iNKT Cells. <i>Journal of Immunology</i> , 2015, 195, 2038-2045.	0.8	23
44	Palmitic acid increases pro-oxidant adaptor protein p66Shc expression and affects vascularization factors in angiogenic mononuclear cells: Action of resveratrol. <i>Vascular Pharmacology</i> , 2015, 75, 7-18.	2.1	7
45	A new cellular target for <i>Yersinia pestis</i> . <i>Immunology and Cell Biology</i> , 2015, 93, 769-770.	2.3	3
46	DC-SIGN. C-Type Lectin with Prominent Role in Immune System. , 2015, , 649-659.		3
47	Galectin-2 Induces a Proinflammatory, Anti-Arteriogenic Phenotype in Monocytes and Macrophages. <i>PLoS ONE</i> , 2015, 10, e0124347.	2.5	51
48	Understanding the Biology of Antigen Cross-Presentation for the Design of Vaccines Against Cancer. <i>Frontiers in Immunology</i> , 2014, 5, 149.	4.8	106
49	Glycosylation-Dependent Lectin-Receptor Interactions Preserve Angiogenesis in Anti-VEGF Refractory Tumors. <i>Cell</i> , 2014, 156, 744-758.	28.9	423
50	Effective Targeting of DC-SIGN by $\alpha$ -Fucosylamide Functionalized Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2014, 25, 2244-2251.	3.6	50
51	DCIR interacts with ligands from both endogenous and pathogenic origin. <i>Immunology Letters</i> , 2014, 158, 33-41.	2.5	47
52	CNS myelin induces regulatory functions of DC-SIGN-expressing, antigen-presenting cells via cognate interaction with MOG. <i>Journal of Experimental Medicine</i> , 2014, 211, 1465-1483.	8.5	104
53	CMV-specific CD8+ T-cell function is not impaired in chronic lymphocytic leukemia. <i>Blood</i> , 2014, 123, 717-724.	1.4	53
54	DC-SIGN. A C-Type Lectin with a Prominent Role in the Immune System. , 2014, , 1-12.		0

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55	Glycan-based DC-SIGN targeting vaccines to enhance antigen cross-presentation. <i>Molecular Immunology</i> , 2013, 55, 143-145.	2.2	105
56	Enhanced glycan nanoprofilng by weak anion exchange preparative chromatography, mild acid desialylation, and nanoliquid chromatographyâ€mass spectrometry with nanofluorescence detection. <i>Electrophoresis</i> , 2013, 34, 2350-2356.	2.4	11
57	Multivalent glycopeptide dendrimers for the targeted delivery of antigens to dendritic cells. <i>Molecular Immunology</i> , 2013, 53, 387-397.	2.2	96
58	The physiological role of DC-SIGN: A tale of mice and men. <i>Trends in Immunology</i> , 2013, 34, 482-486.	6.8	167
59	MGL signaling augments TLR2-mediated responses for enhanced IL-10 and TNF- $\beta$ secretion. <i>Journal of Leukocyte Biology</i> , 2013, 94, 315-323.	3.3	91
60	Glycodendrimers prevent HIV transmission via DC-SIGN on dendritic cells. <i>International Immunology</i> , 2013, 25, 221-233.	4.0	50
61	Glycan-based DC-SIGN targeting to enhance antigen cross-presentation in anticancer vaccines. <i>Oncolmmunology</i> , 2013, 2, e23040.	4.6	34
62	Skin-Resident Antigen-Presenting Cells: Instruction Manual for Vaccine Development. <i>Frontiers in Immunology</i> , 2013, 4, 157.	4.8	57
63	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)*. <i>Journal of Biological Chemistry</i> , 2013, 288, 27519-27532.	3.4	27
64	Interaction of the Capsular Polysaccharide A from <i>Bacteroides fragilis</i> with DC-SIGN on Human Dendritic Cells is Necessary for Its Processing and Presentation to T Cells. <i>Frontiers in Immunology</i> , 2013, 4, 103.	4.8	32
65	Analytical Tools for the Study of Cellular Glycosylation in the Immune System. <i>Frontiers in Immunology</i> , 2013, 4, 451.	4.8	18
66	Ligand Binding and Signaling of Dendritic Cell Immunoreceptor (DCIR) Is Modulated by the Glycosylation of the Carbohydrate Recognition Domain. <i>PLoS ONE</i> , 2013, 8, e66266.	2.5	39
67	Antigen-Presenting Cells in the Central Nervous System. , 2013, , 71-94.		1
68	CMV-Specific CD8+ T-CELL Function Is NOT Impaired In CLL. <i>Blood</i> , 2013, 122, 2862-2862.	1.4	0
69	BODIPY-Labeled DC-SIGN-Targeting Glycodendrons Efficiently Internalize and Route to Lysosomes in Human Dendritic Cells. <i>Biomacromolecules</i> , 2012, 13, 3209-3219.	5.4	35
70	Online nanoliquid chromatographyâ€mass spectrometry and nanofluorescence detection for high-resolution quantitative N-glycan analysis. <i>Analytical Biochemistry</i> , 2012, 423, 153-162.	2.4	33
71	Sortase A as a tool for highâ€yield histatin cyclization. <i>FASEB Journal</i> , 2011, 25, 2650-2658.	0.5	83
72	<i>Campylobacter jejuni</i> Lipooligosaccharides Modulate Dendritic Cell-Mediated T Cell Polarization in a Sialic Acid Linkage-Dependent Manner. <i>Infection and Immunity</i> , 2011, 79, 2681-2689.	2.2	72

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73	A Polymorphism in the Coding Region of <i>IL12b</i> Promotes IL-12p70 and IL-23 Heterodimer Formation. <i>Journal of Immunology</i> , 2011, 186, 3572-3580.	0.8	16
74	The release of cytokines by macrophages is not affected by myelin ingestion. <i>Glia</i> , 2010, 58, 1928-1936.	4.9	10
75	Targeting siglec-E on murine dendritic cells inhibits antigen presentation and CD4 and CD8 t cell responses. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, A42-A42.	0.9	0
76	TLR Triggering on Tolerogenic Dendritic Cells Results in TLR2 Up-Regulation and a Reduced Proinflammatory Immune Program. <i>Journal of Immunology</i> , 2009, 183, 2984-2994.	0.8	91
77	Endogenous ligands for C-type lectin receptors: the true regulators of immune homeostasis. <i>Immunological Reviews</i> , 2009, 230, 22-37.	6.0	107
78	Characterization of murine MGL1 and MGL2 C-type lectins: Distinct glycan specificities and tumor binding properties. <i>Molecular Immunology</i> , 2009, 46, 1240-1249.	2.2	86
79	Targeting glycan modified OVA to murine DC-SIGN transgenic dendritic cells enhances MHC class I and II presentation. <i>Molecular Immunology</i> , 2009, 47, 164-174.	2.2	109
80	Interaction of Polysialic Acid with CCL21 Regulates the Migratory Capacity of Human Dendritic Cells. <i>PLoS ONE</i> , 2009, 4, e6987.	2.5	37
81	Glycan modification of the tumor antigen gp100 targets DC-SIGN to enhance dendritic cell induced antigen presentation to T cells. <i>International Journal of Cancer</i> , 2008, 122, 839-846.	5.1	46
82	Involvement of $\alpha$ -2-fucosyltransferase I (FUT1) and surface-expressed lewis <sup>x</sup> (CD174) in first endothelial cell-cell contacts during angiogenesis. <i>Journal of Cellular Physiology</i> , 2008, 215, 27-36.	4.1	41
83	Dendritic cells and C-type lectin receptors: coupling innate to adaptive immune responses. <i>Immunology and Cell Biology</i> , 2008, 86, 580-587.	2.3	164
84	DC-SIGN mediates adhesion and rolling of dendritic cells on primary human umbilical vein endothelial cells through Lewis <sup>x</sup> antigen expressed on ICAM-2. <i>Molecular Immunology</i> , 2008, 45, 2359-2369.	2.2	62
85	Nuclear targeting of $\beta$ -catenin and p120 <sup>ctn</sup> during thrombin-induced endothelial barrier dysfunction. <i>Cardiovascular Research</i> , 2008, 79, 679-688.	3.8	30
86	Dendritic Cell Maturation Results in Pronounced Changes in Glycan Expression Affecting Recognition by Siglecs and Galectins. <i>Journal of Immunology</i> , 2007, 179, 8216-8224.	0.8	117
87	P-Selectin Glycoprotein Ligand-1 Is Expressed on Endothelial Cells and Mediates Monocyte Adhesion to Activated Endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1023-1029.	2.4	87
88	Schistosoma mansoni soluble egg antigens are internalized by human dendritic cells through multiple C-type lectins and suppress TLR-induced dendritic cell activation. <i>Molecular Immunology</i> , 2007, 44, 2605-2615.	2.2	219
89	The glycosylation of thymic microenvironments. <i>Immunology Letters</i> , 2007, 110, 65-73.	2.5	17
90	Gene Expression Analysis of Glycosylation-Related Genes by Real-Time Polymerase Chain Reaction. , 2006, 347, 187-210.		23

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91	Expression of aberrantly glycosylated tumor mucin-1 on human DC after transduction with a fiber-modified adenoviral vector. <i>Cytotherapy</i> , 2006, 8, 24-35.	0.7	13
92	Specificity of DC-SIGN for mannose- and fucose-containing glycans. <i>FEBS Letters</i> , 2006, 580, 6123-6131.	2.8	241
93	Recognition of tumor glycans by antigen-presenting cells. <i>Current Opinion in Immunology</i> , 2006, 18, 105-111.	5.5	82
94	Activation of human endothelial cells by tumor necrosis factor- $\alpha$ results in profound changes in the expression of glycosylation-related genes. <i>Journal of Cellular Physiology</i> , 2006, 206, 203-210.	4.1	64
95	Convergent Actions of $\text{I}\kappa\text{B}$ Kinase $\beta$ and Protein Kinase $\text{C}\delta$ Modulate mRNA Stability through Phosphorylation of 14-3-3 $\beta$ Complexed with Tristetraprolin. <i>Molecular and Cellular Biology</i> , 2005, 25, 6454-6463.	2.3	55
96	Activated human PMN synthesize and release a strongly fucosylated glycoform of $\alpha$ 1-acid glycoprotein, which is transiently deposited in human myocardial infarction. <i>Journal of Leukocyte Biology</i> , 2005, 78, 453-461.	3.3	30
97	Tumor Necrosis Factor- $\alpha$ Up-regulates the Expression of $\beta$ 1,4-Galactosyltransferase I in Primary Human Endothelial Cells by mRNA Stabilization. <i>Journal of Biological Chemistry</i> , 2005, 280, 12676-12682.	3.4	31
98	Acute phase response in patients undergoing lumbar spinal surgery: modulation by perioperative treatment with naproxen and famotidine. <i>European Spine Journal</i> , 2004, 13, 367-73.	2.2	22
99	Transfusion of post-operative shed blood: laboratory characteristics and clinical utility. <i>European Spine Journal</i> , 2004, 13, S107-S113.	2.2	55
100	Approach for defining endogenous reference genes in gene expression experiments. <i>Analytical Biochemistry</i> , 2004, 329, 293-299.	2.4	94
101	Detection and removal of fat particles from postoperative salvaged blood in orthopedic surgery. <i>Transfusion</i> , 2002, 42, 66-75.	1.6	45
102	Postoperative blood salvage and reinfusion in spinal surgery: blood quality, effectiveness and impact on patient blood parameters. <i>European Spine Journal</i> , 2000, 9, 458-465.	2.2	54