Maria-Luisa Alegre

List of Publications by Citations

117 papers	10,405 citations	44 h-index	101 g-index
126 ext. papers	12,370 ext. citations	9.2 avg, IF	6.04 L-index

#	Paper	IF	Citations
117	Commensal Bifidobacterium promotes antitumor immunity and facilitates anti-PD-L1 efficacy. *Science*, **2015**, 350, 1084-9	33.3	1852
116	The commensal microbiome is associated with anti-PD-1 efficacy in metastatic melanoma patients. *Science*, **2018**, 359, 104-108	33.3	1227
115	Modulation of tryptophan catabolism by regulatory T cells. *Nature Immunology*, **2003**, 4, 1206-12	19.1	1026
114	STING-dependent cytosolic DNA sensing mediates innate immune recognition of immunogenic tumors. *Immunity*, **2014**, 41, 830-42	32.3	876
113	T-cell regulation by CD28 and CTLA-4. *Nature Reviews Immunology*, **2001**, 1, 220-8	36.5	643
112	CTLA-4 gene polymorphism at position 49 in exon 1 reduces the inhibitory function of CTLA-4 and contributes to the pathogenesis of GravesSdisease. *Journal of Immunology*, **2000**, 165, 6606-11	5.3	428
111	Targeting the NF-kappaB signaling pathway in Notch1-induced T-cell leukemia. *Nature Medicine*, **2007**, 13, 70-7	50.5	276
110	GATA-3: an unexpected regulator of cell lineage determination in skin. *Genes and Development*, **2003**, 17, 2108-22	12.6	264
109	In vitro characterization of five humanized OKT3 effector function variant antibodies. *Cellular Immunology*, **2000**, 200, 16-26	4.4	171
108	Cytotoxic T lymphocyte antigen 4 (CTLA4) blockade accelerates the acute rejection of cardiac allografts in CD28-deficient mice: CTLA4 can function independently of CD28. *Journal of Experimental Medicine*, **1998**, 188, 199-204	16.6	170
107	Local expression of B7-H1 promotes organ-specific autoimmunity and transplant rejection. *Journal of Clinical Investigation*, **2004**, 113, 694-700	15.9	131
106	Expression and function of CTLA-4 in Th1 and Th2 cells. *Journal of Immunology*, **1998**, 161, 3347-56	5.3	111
105	The impact of infection and tissue damage in solid-organ transplantation. *Nature Reviews Immunology*, **2012**, 12, 459-71	36.5	106
104	Role of natural killer cell subsets in cardiac allograft rejection. *American Journal of Transplantation*, **2006**, 6, 505-13	8.7	96
103	TLR signals promote IL-6/IL-17-dependent transplant rejection. *Journal of Immunology*, **2009**, 182, 6217-25	5.3	91
102	Modified anti-CD3 therapy in psoriatic arthritis: a phase I/II clinical trial. *Journal of Rheumatology*, **2002**, 29, 1907-13	4.1	91
101	CARMA1 controls an early checkpoint in the thymic development of FoxP3+ regulatory T cells. *Journal of Immunology*, **2009**, 182, 6736-43	5.3	89

100	Cutting edge: Cbl-b: one of the key molecules tuning CD28- and CTLA-4-mediated T cell costimulation. *Journal of Immunology*, **2004**, 173, 7135-9	5.3	88
99	Thymic regulatory T cells arise via two distinct developmental programs. *Nature Immunology*, **2019**, 20, 195-205	19.1	87
98	Coordination between NF-kappaB family members p50 and p52 is essential for mediating LTbetaR signals in the development and organization of secondary lymphoid tissues. *Blood*, **2006**, 107, 1048-55	2.2	84
97	Protective immunity against recurrent Staphylococcus aureus skin infection requires antibody and interleukin-17A. *Infection and Immunity*, **2014**, 82, 2125-34	3.7	82
96	Tissue distribution, regulation and intracellular localization of murine CD1 molecules. *Molecular Immunology*, **1998**, 35, 525-36	4.3	80
95	Tumor-associated fibroblasts predominantly come from local and not circulating precursors. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 7551-6	11.5	77
94	Significant CD4, CD8, and CD19 lymphopenia in peripheral blood of sarcoidosis patients correlates with severe disease manifestations. *PLoS ONE*, **2010**, 5, e9088	3.7	76
93	Prevention of allograft tolerance by bacterial infection with Listeria monocytogenes. *Journal of Immunology*, **2008**, 180, 5991-9	5.3	73
92	T-cell receptor-induced NF-kappaB activation is negatively regulated by E3 ubiquitin ligase Cbl-b. *Molecular and Cellular Biology*, **2008**, 28, 2470-80	4.8	72
91	High TCR stimuli prevent induced regulatory T cell differentiation in a NF-B-dependent manner. *Journal of Immunology*, **2011**, 186, 4609-17	5.3	66
90	Actin cytoskeleton regulates calcium dynamics and NFAT nuclear duration. *Molecular and Cellular Biology*, **2004**, 24, 1628-39	4.8	60
89	The multiple facets of toll-like receptors in transplantation biology. *Transplantation*, **2008**, 86, 1-9	1.8	59
88	Formation of a central supramolecular activation cluster is not required for activation of naive CD8+ T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 9351-6	11.5	59
87	The balance of immune responses: costimulation verse coinhibition. *Journal of Molecular Medicine*, **2005**, 83, 193-202	5.5	59
86	Mechanisms of CTLA-4-Ig in tolerance induction. *Current Pharmaceutical Design*, **2006**, 12, 149-60	3.3	58
85	Evidence that pentoxifylline reduces anti-CD3 monoclonal antibody-induced cytokine release syndrome. *Transplantation*, **1991**, 52, 674-9	1.8	56
84	TCR-independent CD30 signaling selectively induces IL-13 production via a TNF receptor-associated factor/p38 mitogen-activated protein kinase-dependent mechanism. *Journal of Immunology*, **2002**, 169, 2451-9	5.3	55
83	The composition of the microbiota modulates allograft rejection. *Journal of Clinical Investigation*, **2016**, 126, 2736-44	15.9	55

82	Cellular mechanisms underlying acute graft rejection: time for reassessment. *Current Opinion in Immunology*, **2007**, 19, 563-8	7.8	52
81	Different mechanisms of cardiac allograft rejection in wildtype and CD28-deficient mice. *American Journal of Transplantation*, **2001**, 1, 38-46	8.7	49
80	Induction of T cell anergy in the absence of CTLA-4/B7 interaction. *Journal of Immunology*, **2000**, 164, 2987-93	5.3	49
79	The interplay between the intestinal microbiota and the immune system. *Clinics and Research in Hepatology and Gastroenterology*, **2015**, 39, 9-19	2.4	47
78	Secondary lymphoid organs are important but not absolutely required for allograft responses. *American Journal of Transplantation*, **2003**, 3, 259-66	8.7	47
77	Cutting edge: membrane lymphotoxin regulates CD8(+) T cell-mediated intestinal allograft rejection. *Journal of Immunology*, **2001**, 167, 4796-800	5.3	46
76	The microbiota, the immune system and the allograft. *American Journal of Transplantation*, **2014**, 14, 1236-48	8.7	45
75	Absence of CTLA-4 lowers the activation threshold of primed CD8+ TCR-transgenic T cells: lack of correlation with Src homology domain 2-containing protein tyrosine phosphatase. *Journal of Immunology*, **2001**, 166, 3900-7	5.3	45
74	CD8 T cell-mediated rejection of intestinal allografts is resistant to inhibition of the CD40/CD154 costimulatory pathway. *Transplantation*, **2001**, 71, 1351-4	1.8	45
73	Cutting edge: targeted ligation of CTLA-4 in vivo by membrane-bound anti-CTLA-4 antibody prevents rejection of allogeneic cells. *Journal of Immunology*, **2002**, 169, 633-7	5.3	44
72	T cell receptor/CARMA1/NF-B signaling controls T-helper (Th) 17 differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18529-34	11.5	43
71	Impaired negative selection in CD28-deficient mice. *Cellular Immunology*, **1998**, 187, 131-8	4.4	42
70	CTLA-4 is not required for induction of CD8(+) T cell anergy in vivo. *Journal of Immunology*, **2001**, 167, 4936-41	5.3	41
69	Antigen Presentation in Transplantation. *Trends in Immunology*, **2016**, 37, 831-843	14.4	40
68	T cell-NF-B activation is required for tumor control in vivo **2015**, 3, 1		39
67	T Cell Receptor-Regulated TGF- Type I Receptor Expression Determines T Cell Quiescence and Activation. *Immunity*, **2018**, 48, 745-759.e6	32.3	38
66	Endocytic sequestration of the B cell antigen receptor and toll-like receptor 9 in anergic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 6262-7	11.5	38
65	Role of STAT4 and STAT6 signaling in allograft rejection and CTLA4-Ig-mediated tolerance. *Journal of Immunology*, **2000**, 165, 5580-7	5.3	37

64	Toll-like receptor signaling in transplantation. *Current Opinion in Organ Transplantation*, **2008**, 13, 358-65	2.5	35
63	Spontaneous restoration of transplantation tolerance after acute rejection. *Nature Communications*, **2015**, 6, 7566	17.4	32
62	Lessons and limits of mouse models. *Cold Spring Harbor Perspectives in Medicine*, **2013**, 3, a015495	5.4	32
61	CD28/B7 regulation of anti-CD3-mediated immunosuppression in vivo. *Journal of Immunology*, **2003**, 170, 1510-6	5.3	31
60	Gut microbes contribute to variation in solid organ transplant outcomes in mice. *Microbiome*, **2018**, 6, 96	16.6	29
59	Impaired NF-kappaB activation in T cells permits tolerance to primary heart allografts and to secondary donor skin grafts. *American Journal of Transplantation*, **2003**, 3, 139-47	8.7	29
58	Polymorphisms in CD1d affect antigen presentation and the activation of CD1d-restricted T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1909-14	11.5	27
57	Transplantation tolerance and its outcome during infections and inflammation. *Immunological Reviews*, **2014**, 258, 80-101	11.3	23
56	The influence of the microbiota on the immune response to transplantation. *Current Opinion in Organ Transplantation*, **2015**, 20, 1-7	2.5	22
55	Basal NF-B controls IL-7 responsiveness of quiescent naïve T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7397-402	11.5	21
54	Costimulatory molecules as targets for the induction of transplantation tolerance. *Current Molecular Medicine*, **2006**, 6, 843-57	2.5	21
53	Transplantation tolerance in NF-kappaB-impaired mice is not due to regulation but is prevented by transgenic expression of Bcl-xL. *Journal of Immunology*, **2005**, 174, 3447-53	5.3	19
52	High-Fat Diet-Induced Obesity Enhances Allograft Rejection. *Transplantation*, **2016**, 100, 1015-21	1.8	19
51	Transgenic expression of CTLA-4 controls lymphoproliferation in IL-2-deficient mice. *Journal of Immunology*, **2004**, 173, 5415-24	5.3	18
50	CTLA-4 engagement regulates NF-kappaB activation in vivo. *European Journal of Immunology*, **2002**, 32, 2095-104	6.1	17
49	Antagonistic effect of toll-like receptor signaling and bacterial infections on transplantation tolerance. *Transplantation*, **2009**, 87, S77-9	1.8	16
48	Impact of Staphylococcus aureus USA300 Colonization and Skin Infections on Systemic Immune Responses in Humans. *Journal of Immunology*, **2016**, 197, 1118-26	5.3	15
47	Cutting Edge: Engineering Active IKKn T Cells Drives Tumor Rejection. *Journal of Immunology*, **2016**, 196, 2933-8	5.3	15

46	Microbes and allogeneic transplantation. *Transplantation*, **2014**, 97, 5-11	1.8	15
45	Urinary microbiome associated with chronic allograft dysfunction in kidney transplant recipients. *Clinical Transplantation*, **2018**, 32, e13436	3.8	15
44	Role of bacterial infections in allograft rejection. *Expert Review of Clinical Immunology*, **2008**, 4, 281-93	5.1	14
43	Transplantation and the CD28/CTLA4/B7 pathway. *Transplantation Proceedings*, **2001**, 33, 209-11	1.1	14
42	Pathogenic Bhlhe40+ GM-CSF+ CD4+ T cells promote indirect alloantigen presentation in the GI tract during GVHD. *Blood*, **2020**, 135, 568-581	2.2	14
41	Confounding factors complicate conclusions in aly model. *Nature Medicine*, **2001**, 7, 1165-6	50.5	13
40	Mouse microbiomes: overlooked culprits of experimental variability. *Genome Biology*, **2019**, 20, 108	18.3	12
39	Impact of the microbiota on solid organ transplant rejection. *Current Opinion in Organ Transplantation*, **2019**, 24, 679-686	2.5	12
38	Gut Microbiota Can Impact Chronic Murine Lung Allograft Rejection. *American Journal of Respiratory Cell and Molecular Biology*, **2019**, 60, 131-134	5.7	12
37	Immunomodulation of transplant rejection using monoclonal antibodies and soluble receptors. *Digestive Diseases and Sciences*, **1995**, 40, 58-64	4	11
36	Distinct Graft-Specific TCR Avidity Profiles during Acute Rejection and Tolerance. *Cell Reports*, **2018** , 24, 2112-2126	10.6	10
35	Long-term Maintenance of Sterility Following Skin Transplantation in Germ-free Mice. *Transplantation Direct*, **2015**, 1,	2.3	10
34	Toll-like receptors (TLRs) in transplantation. *Frontiers in Bioscience - Elite*, **2009**, 1, 36-43	1.6	10
33	Skin-restricted commensal colonization accelerates skin graft rejection. *JCI Insight*, **2019**, 5,	9.9	10
32	Role of T-cell-specific nuclear factor **B** in islet allograft rejection. *Transplantation*, **2012**, 93, 976-82	1.8	9
31	Retrospective Identification of a Broad IgG Repertoire Differentiating Patients With Skin and Soft Tissue Infections From Controls. *Frontiers in Immunology*, **2019**, 10, 114	8.4	8
30	Inhibition of protective immunity against infection by MHC-restricted immunodominance is overcome by vaccination. *Science Advances*, **2020**, 6, eaaw7713	14.3	8
29	Proteomic Identification of saeRS-Dependent Targets Critical for Protective Humoral Immunity against Staphylococcus aureus Skin Infection. *Infection and Immunity*, **2015**, 83, 3712-21	3.7	8

28	CTLA4-Ig in combination with FTY720 promotes allograft survival in sensitized recipients. *JCI Insight* , **2017**, 2,	9.9	8
27	Pregnancy-induced humoral sensitization overrides T cell tolerance to fetus-matched allografts in mice. *Journal of Clinical Investigation*, **2021**, 131,	15.9	8
26	Successful Treatment of T Cell-Mediated Acute Rejection with Delayed CTLA4-Ig in Mice. *Frontiers in Immunology*, **2017**, 8, 1169	8.4	7
25	The COVID-19 pandemic: A community approach. *Clinical Transplantation*, **2020**, 34, e14059	3.8	7
24	The pursuit of transplantation tolerance: new mechanistic insights. *Cellular and Molecular Immunology*, **2019**, 16, 324-333	15.4	7
23	Equal Expansion of Endogenous Transplant-Specific Regulatory T Cell and Recruitment Into the Allograft During Rejection and Tolerance. *Frontiers in Immunology*, **2018**, 9, 1385	8.4	6
22	Resilience of T cell-intrinsic dysfunction in transplantation tolerance. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 23682-23690	11.5	6
21	Transplantation tolerance modifies donor-specific B cell fate to suppress de novo alloreactive B cells. *Journal of Clinical Investigation*, **2020**, 130, 3453-3466	15.9	5
20	Fifty Shades of Tolerance: Beyond a Binary Tolerant/Non-Tolerant Paradigm. *Current Transplantation Reports*, **2017**, 4, 262-269	1.5	4
19	Analysis of GzmbCre as a Model System for Gene Deletion in the Natural Killer Cell Lineage. *PLoS ONE*, **2015**, 10, e0125211	3.7	4
18	Impact of environmental factors on alloimmunity and transplant fate. *Journal of Clinical Investigation*, **2017**, 127, 2482-2491	15.9	4
17	Influence of the microbiome on solid organ transplant survival. *Journal of Heart and Lung Transplantation*, **2021**, 40, 745-753	5.8	4
16	Exercise increases skin graft resistance to rejection. *American Journal of Transplantation*, **2019**, 19, 1560-1567	8.7	3
15	Exploiting immunometabolism and T cell function for solid organ transplantation. *Cellular Immunology*, **2020**, 351, 104068	4.4	3
14	Commensal microbiota determine intestinal iTreg. *American Journal of Transplantation*, **2012**, 12, 1967	8.7	3
13	Fas mediates cardiac allograft acceptance in mice with impaired T-cell-intrinsic NF-kappaB signaling. *Transplant International*, **2009**, 22, 845-52	3	3
12	Targeting NF-??B in the immune system to prevent acute allograft rejection. *Current Opinion in Organ Transplantation*, **2004**, 9, 252-257	2.5	3
11	Overexpression of program death-1 in T cells has mild impact on allograft survival. *Transplant International*, **2008**, 21, 21-9	3	2

10	Restored TDCA and valine levels imitate the effects of bariatric surgery. *ELife*, **2021**, 10,	8.9	2
9	I spy alloreactive T cells. *Science Translational Medicine*, **2015**, 7, 272fs3	17.5	1
8	Attenuation by targeting the B- and T-cell attenuator. *Transplantation*, **2011**, 92, 1075-6	1.8	1
7	Costimulatory pathways of T-cell activation. *Kidney International*, **2004**, 65, 1539	9.9	1
6	B cells, CMV, and stem cell transplant. *Science*, **2019**, 363, 232-233	33.3	1
5	The First ITS Meeting. *Transplantation*, **2020**, 104, 1114-1116	1.8	0
4	Regulation of Alloantibody Responses. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 706171	5.7	0
3	Costimulatory molecules **2015**, 65-84		
2	Cellular Mechanisms of Adaptive Immunity **2014**, 50-59		
1	Natural killer cell subsets in allograft rejection and tolerance. *Current Opinion in Organ Transplantation*, **2007**, 12, 10-16	2.5	