Rosa Bacchetta

List of Publications by Year
in descending order

109 papers	13,441 citations	28274 55 h-index	28297 105 g-index
111 all docs	111 docs citations	111 times ranked	15709 citing authors

#	Article	IF	Citations
1	Editorial: IPEX 2020: An Expanding Disease Spectrum and Novel Precision Therapies. Frontiers in Pediatrics, 2022, 10, 856920.	1.9	0
2	Design of experiments as a decision tool for cell therapy manufacturing. Cytotherapy, 2022, 24, 590-596.	0.7	3
3	Towards gene therapy for IPEX syndrome. European Journal of Immunology, 2022, 52, 705-716.	2.9	16
4	Thymic origins of autoimmunityâ€”lessons from inborn errors of immunity. Seminars in Immunopathology, 2021, 43, 65-83.	6.1	7
5	BHLHE40 Regulates IL-10 and IFN-Î³ Production in T Cells but Does Not Interfere With Human Type 1 Regulatory T Cell Differentiation. Frontiers in Immunology, 2021, 12, 683680.	4.8	11
6	Pre-clinical development and molecular characterization of an engineered type 1 regulatory T-cell product suitable for immunotherapy. Cytotherapy, 2021, 23, 1017-1028.	0.7	5
7	Engineered type 1 regulatory T cells designed for clinical use kill primary pediatric acute myeloid leukemia cells. Haematologica, 2021, 106, 2588-2597.	3.5	11
8	Alloantigen-specific type 1 regulatory T cells suppress through CTLA-4 and PD-1 pathways and persist long-term in patients. Science Translational Medicine, 2021, 13, eabf5264.	12.4	40
9	Co-Expression of FOXP3FL and FOXP3Î”2 Isoforms Is Required for Optimal Treg-Like Cell Phenotypes and Suppressive Function. Frontiers in Immunology, 2021, 12, 752394.	4.8	13
10	Treatment with rapamycin can restore regulatory T-cell function in IPEX patients. Journal of Allergy and Clinical Immunology, 2020, 145, 1262-1271.e13.	2.9	48
11	Humanâ€engineered Tregâ€like cells suppress FOXP3â€deficient T cells but preserve adaptive immune responses <i>in vivo</i>. Clinical and Translational Immunology, 2020, 9, e1214.	3.8	30
12	CRISPR-based gene editing enables <i>FOXP3</i> gene repair in IPEX patient cells. Science Advances, 2020, 6, eaaz0571.	10.3	84
13	Hematopoietic Cell Transplantation in Patients With Primary Immune Regulatory Disorders (PIRD): A Primary Immune Deficiency Treatment Consortium (PIDTC) Survey. Frontiers in Immunology, 2020, 11, 239.	4.8	57
14	Regulatory Type 1 T Cell Infusion in Mismatched Related or Unrelated Hematopoietic Stem Cell Transplantation (HSCT) for Hematologic Malignancies. Biology of Blood and Marrow Transplantation, 2020, 26, S272-S273.	2.0	2
15	Human inborn errors of immunity: An expanding universe. Science Immunology, 2020, 5, .	11.9	138
16	146â€…Alloantigen-specific Tr1 cells designed to prevent GvHD have a distinct molecular identity and suppress through CTLA-4 and PD-1. , 2020, , .		0
17	Severe autoinflammation in 4 patients with C-terminal variants in cell division control protein 42 homolog (CDC42) successfully treated with IL-1Î² inhibition. Journal of Allergy and Clinical Immunology, 2019, 144, 1122-1125.e6.	2.9	85
18	The autoimmune targets in IPEX are dominated by gut epithelial proteins. Journal of Allergy and Clinical Immunology, 2019, 144, 327-330.e8.	2.9	11

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19	Case Study: Mechanism for Increased Follicular Helper T Cell Development in Activated PI3K Delta Syndrome. Frontiers in Immunology, 2019, 10, 753.	4.8	25
20	Long-term follow-up of IPEX syndrome patients after different therapeutic strategies: An international multicenter retrospective study. Journal of Allergy and Clinical Immunology, 2018, 141, 1036-1049.e5.	2.9	233
21	Role of human forkhead box P3 in early thymic maturation and peripheral T-cell homeostasis. Journal of Allergy and Clinical Immunology, 2018, 142, 1909-1921.e9.	2.9	17
22	From IPEX syndrome to <i>FOXP3</i> mutation: a lesson on immune dysregulation. Annals of the New York Academy of Sciences, 2018, 1417, 5-22.	3.8	289
23	Peanut-specific type 1 regulatory T cells induced inÂvitro from allergic subjects are functionally impaired. Journal of Allergy and Clinical Immunology, 2018, 141, 202-213.e8.	2.9	30
24	Identity and Diversity of Human Peripheral Th and T Regulatory Cells Defined by Single-Cell Mass Cytometry. Journal of Immunology, 2018, 200, 336-346.	0.8	89
25	The Biology of T Regulatory Type 1 Cells and Their Therapeutic Application in Immune-Mediated Diseases. Immunity, 2018, 49, 1004-1019.	14.3	230
26	Tregopathies: Monogenic diseases resulting in regulatory T-cell deficiency. Journal of Allergy and Clinical Immunology, 2018, 142, 1679-1695.	2.9	106
27	Epigenetic immune cell counting in human blood samples for immunodiagnostics. Science Translational Medicine, 2018, 10, .	12.4	83
28	Reprogramming human T cell function and specificity with non-viral genome targeting. Nature, 2018, 559, 405-409.	27.8	630
29	Neutralizing Anti-Cytokine Autoantibodies Against Interferon-Î± in Immunodysregulation Polyendocrinopathy Enteropathy X-Linked. Frontiers in Immunology, 2018, 9, 544.	4.8	46
30	APVO210: A Bispecific Anti-CD86-IL-10 Fusion Protein (ADAPTIRâ„¢) to Induce Antigen-Specific T Regulatory Type 1 Cells. Frontiers in Immunology, 2018, 9, 881.	4.8	13
31	Type 1 Diabetes Mellitus in Monogenic Autoimmune Diseases. Frontiers in Diabetes, 2017, , 78-90.	0.4	2
32	Severe Toxoplasma gondii infection in a member of a NFKB2-deficient family with T and B cell dysfunction. Clinical Immunology, 2017, 183, 273-277.	3.2	32
33	Ectopic FOXP3 Expression Preserves Primitive Features Of Human Hematopoietic Stem Cells While Impairing Functional T Cell Differentiation. Scientific Reports, 2017, 7, 15820.	3.3	26
34	Forkhead-Box-P3 Gene Transfer in Human CD4+ T Conventional Cells for the Generation of Stable and Efficient Regulatory T Cells, Suitable for Immune Modulatory Therapy. Frontiers in Immunology, 2017, 8, 1282.	4.8	26
35	Minimum Information about T Regulatory Cells: A Step toward Reproducibility and Standardization. Frontiers in Immunology, 2017, 8, 1844.	4.8	43
36	Congenital Immunodeficiency Diseases. , 2016, , 45-81.		0

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37	In Vitro Induction of Peanut-Specific Tr1 Cells. Journal of Allergy and Clinical Immunology, 2016, 137, AB407.	2.9	2
38	Immunodysregulation, Polyendocrinopathy, and Enteropathy, X-Linked (IPEX) Syndrome. , 2016, , 444-450.		0
39	Fatal autoimmunity in mice reconstituted with human hematopoietic stem cells encoding defective FOXP3. Blood, 2015, 125, 3886-3895.	1.4	33
40	Chemically modified guide RNAs enhance CRISPR-Cas genome editing in human primary cells. Nature Biotechnology, 2015, 33, 985-989.	17.5	882
41	Congenital diarrhoeal disorders: advances in this evolving web of inherited enteropathies. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 293-302.	17.8	74
42	Hurdles in therapy with regulatory T cells. Science Translational Medicine, 2015, 7, 304ps18.	12.4	136
43	Gene/Cell Therapy Approaches for Immune Dysregulation Polyendocrinopathy Enteropathy X-Linked Syndrome. Current Gene Therapy, 2014, 14, 422-428.	2.0	19
44	Immunological Outcome in Haploidentical-HSC Transplanted Patients Treated with IL-10-Anergized Donor T Cells. Frontiers in Immunology, 2014, 5, 16.	4.8	126
45	Tr1 Cells and the Counter-Regulation of Immunity: Natural Mechanisms and Therapeutic Applications. Current Topics in Microbiology and Immunology, 2014, 380, 39-68.	1.1	191
46	Intergenerational and intrafamilial phenotypic variability in 22q11.2 Deletion syndrome subjects. BMC Medical Genetics, 2014, 15, 1.	2.1	48
47	<i>Forkhead box P3:</i>The Peacekeeper of the Immune System. International Reviews of Immunology, 2014, 33, 129-145.	3.3	33
48	Clinical Features and Follow-Up in Patients with 22q11.2 Deletion Syndrome. Journal of Pediatrics, 2014, 164, 1475-1480.e2.	1.8	119
49	Regulatory T cells and their roles in immune dysregulation and allergy. Immunologic Research, 2014, 58, 358-368.	2.9	87
50	Identification of STAT5A and STAT5B Target Genes in Human T Cells. PLoS ONE, 2014, 9, e86790.	2.5	67
51	Differentiating the roles of STAT5B and STAT5A in human CD4+ T cells. Clinical Immunology, 2013, 148, 227-236.	3.2	40
52	Combined DOCK8 and CLEC7A mutations causing immunodeficiency in 3 brothers with diarrhea, eczema, and infections. Journal of Allergy and Clinical Immunology, 2013, 131, 594-597.e3.	2.9	22
53	IL-21 signalling via STAT3 primes human naÃ¯ve B cells to respond to IL-2 to enhance their differentiation into plasmablasts. Blood, 2013, 122, 3940-3950.	1.4	121
54	Human IL2RA null mutation mediates immunodeficiency with lymphoproliferation and autoimmunity. Clinical Immunology, 2013, 146, 248-261.	3.2	186

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55	A novel function for FOXP3 in humans: intrinsic regulation of conventional T cells. Blood, 2013, 121, 1265-1275.	1.4	73
56	Coexpression of CD49b and LAG-3 identifies human and mouse T regulatory type 1 cells. Nature Medicine, 2013, 19, 739-746.	30.7	700
57	CD4 ⁺ T Cells from IPEX Patients Convert into Functional and Stable Regulatory T Cells by <i>FOXP3</i> Gene Transfer. Science Translational Medicine, 2013, 5, 215ra174.	12.4	129
58	Immunodeficiency with Autoimmunity: Beyond the Paradox. Frontiers in Immunology, 2013, 4, 77.	4.8	9
59	Accumulation of peripheral autoreactive B cells in the absence of functional human regulatory T cells. Blood, 2013, 121, 1595-1603.	1.4	145
60	Autoantibodies to Harmonin and Villin Are Diagnostic Markers in Children with IPEX Syndrome. PLoS ONE, 2013, 8, e78664.	2.5	68
61	Immune Dysregulation, Polyendocrinopathy, Enteropathy, X-Linked Syndrome: A Paradigm of Immunodeficiency with Autoimmunity. Frontiers in Immunology, 2012, 3, 211.	4.8	279
62	Demethylation analysis of the FOXP3 locus shows quantitative defects of regulatory T cells in IPEX-like syndrome. Journal of Autoimmunity, 2012, 38, 49-58.	6.5	67
63	Gene therapy for primary immunodeficiencies: Part 2. Current Opinion in Immunology, 2012, 24, 585-591.	5.5	61
64	Forkhead box protein 3 (FOXP3) mutations lead to increased TH17 cell numbers and regulatory T-cell instability. Journal of Allergy and Clinical Immunology, 2011, 128, 1376-1379.e1.	2.9	54
65	Clinical tolerance in allogeneic hematopoietic stem cell transplantation. Immunological Reviews, 2011, 241, 145-163.	6.0	68
66	Clinical heterogeneity and diagnostic delay of autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy syndrome. Clinical Immunology, 2011, 139, 6-11.	3.2	49
67	Functional type 1 regulatory T cells develop regardless of <i>FOXP3</i> mutations in patients with IPEX syndrome. European Journal of Immunology, 2011, 41, 1120-1131.	2.9	72
68	Killing of myeloid APCs via HLA class I, CD2 and CD226 defines a novel mechanism of suppression by human Tr1 cells. European Journal of Immunology, 2011, 41, 1652-1662.	2.9	122
69	Molecular and functional characterization of allogantigen-specific anergic T cells suitable for cell therapy. Haematologica, 2010, 95, 2134-2143.	3.5	63
70	Point mutants of forkhead box P3 that cause immune dysregulation, polyendocrinopathy, enteropathy, X-linked have diverse abilities to reprogram T cells into regulatory T cells. Journal of Allergy and Clinical Immunology, 2010, 126, 1242-1251.	2.9	48
71	Methods for In Vitro Generation of Human Type 1 Regulatory T Cells. Methods in Molecular Biology, 2010, 677, 31-46.	0.9	29
72	Regulated and Multiple miRNA and siRNA Delivery Into Primary Cells by a Lentiviral Platform. Molecular Therapy, 2009, 17, 1039-1052.	8.2	83

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73	Type 1 regulatory T cells are associated with persistent split erythroid/lymphoid chimerism after allogeneic hematopoietic stem cell transplantation for thalassemia. Haematologica, 2009, 94, 1415-1426.	3.5	57
74	Selective engraftment of donor CD4+25high FOXP3-positive T cells in IPEX syndrome after nonmyeloablative hematopoietic stem cell transplantation. Blood, 2009, 113, 5689-5691.	1.4	75
75	Wild-type FOXP3 is selectively active in CD4+CD25hi regulatory T cells of healthy female carriers of different FOXP3 mutations. Blood, 2009, 114, 4138-4141.	1.4	49
76	Interleukin-10 Anergized Donor T Cell Infusion Improves Immune Reconstitution without Severe Graft-Versus-Host-Disease After Haploidentical Hematopoietic Stem Cell Transplantation.. Blood, 2009, 114, 45-45.	1.4	12
77	CD4⁺ Tâ€regulatory cells: toward therapy for human diseases. Immunological Reviews, 2008, 223, 391-421.	6.0	213
78	Clinical improvement and normalized Th1 cytokine profile in early and long-term interferon-Î± treatment in a suspected case of hyper-IgE syndrome. Pediatric Allergy and Immunology, 2008, 19, 564-568.	2.6	4
79	Clinical and molecular profile of a new series of patients with immune dysregulation, polyendocrinopathy, enteropathy, X-linked syndrome: Inconsistent correlation between forkhead box protein 3 expression and disease severity. Journal of Allergy and Clinical Immunology, 2008, 122, 1105-1112.e1.	2.9	199
80	STAT5-signaling cytokines regulate the expression of FOXP3 in CD4+CD25+ regulatory T cells and CD4+CD25â^' effector T cells. International Immunology, 2008, 20, 421-431.	4.0	166
81	Generation of Potent and Stable Human CD4+ T Regulatory Cells by Activation-independent Expression of FOXP3. Molecular Therapy, 2008, 16, 194-202.	8.2	206
82	Activation-induced FOXP3 in human T effector cells does not suppress proliferation or cytokine production. International Immunology, 2007, 19, 345-354.	4.0	756
83	Role of regulatory T cells and FOXP3 in human diseases. Journal of Allergy and Clinical Immunology, 2007, 120, 227-235.	2.9	228
84	Immunological lessons learnt from patients transplanted with fully mismatched stem cells. Immunologic Research, 2007, 38, 201-209.	2.9	7
85	Tr1 cells: From discovery to their clinical application. Seminars in Immunology, 2006, 18, 120-127.	5.6	246
86	Interleukinâ€10â€secreting type 1 regulatory T cells in rodents and humans. Immunological Reviews, 2006, 212, 28-50.	6.0	1,071
87	Defective regulatory and effector T cell functions in patients with FOXP3 mutations. Journal of Clinical Investigation, 2006, 116, 1713-1722.	8.2	462
88	Regulatory T cells: prospective for clinical application in hematopoietic stem cell transplantation. Current Opinion in Hematology, 2005, 12, 451-456.	2.5	18
89	CD4+ regulatory T cells: Mechanisms of induction and effector function. Autoimmunity Reviews, 2005, 4, 491-496.	5.8	167
90	An anti-CD45RO/RB monoclonal antibody modulates T cell responses via induction of apoptosis and generation of regulatory T cells. Journal of Experimental Medicine, 2005, 201, 1293-1305.	8.5	64

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91	Utilizing regulatory T cells to control alloreactivity. Cytotherapy, 2005, 7, 158-165.	0.7	7
92	Induction of transplantation tolerance in humans using fetal cell transplants. Transplantation Proceedings, 2005, 37, 65-66.	0.6	13
93	The role of 2 FOXP3 isoforms in the generation of human CD4+ Tregs. Journal of Clinical Investigation, 2005, 115, 3276-3284.	8.2	386
94	Reappraisal of in utero Stem Cell Transplantation Based on Long-Term Results. Fetal Diagnosis and Therapy, 2004, 19, 305-312.	1.4	41
95	The Role of IL-10 and TGF-Î² in the Differentiation and Effector Function of T Regulatory Cells. International Archives of Allergy and Immunology, 2002, 129, 263-276.	2.1	351
96	Growth and expansion of human Tâ€„regulatory typeâ€„1 cells are independent from TCR activation but require exogenous cytokines. European Journal of Immunology, 2002, 32, 2237.	2.9	180
97	Type 1 T regulatory cells. Immunological Reviews, 2001, 182, 68-79.	6.0	745
98	T-Cell Subsets and Their Cytokine Profiles in Transplantation and Tolerance. Annals of the New York Academy of Sciences, 1995, 770, 141-148.	3.8	8
99	High levels of interleukin 10 production in vivo are associated with tolerance in SCID patients transplanted with HLA mismatched hematopoietic stem cells.. Journal of Experimental Medicine, 1994, 179, 493-502.	8.5	393
100	Chimerism and tolerance to host and donor in severe combined immunodeficiencies transplanted with fetal liver stem cells.. Journal of Clinical Investigation, 1993, 91, 1067-1078.	8.2	39
101	Expression of conformationally constrained adhesion peptide in an antibody CDR loop and inhibition of natural killer cell cytotoxic activity by an antibody antigenized with the RGD motif. EMBO Journal, 1993, 12, 4375-84.	7.8	8
102	Human Ig production and isotype switching in severe combined immunodeficient-human mice. Journal of Immunology, 1993, 151, 128-37.	0.8	24
103	Human hematopoietic cells and thymic epithelial cells induce tolerance via different mechanisms in the SCID-hu mouse thymus.. Journal of Experimental Medicine, 1992, 175, 1033-1043.	8.5	74
104	Interleukin 10 inhibits allogeneic proliferative and cytotoxic T cell responses generated in primary mixed lymphocyte cultures. International Immunology, 1992, 4, 1389-1397.	4.0	131
105	A SCID patient reconstituted with HLA-incompatible fetal stem cells as a model for studying transplantation tolerance. Nouvelle Revue FranÃ§aise D'hÃ©matologie, 1991, 17, 391-402.	0.7	9
106	Natural killer cell clones can efficiently process and present protein antigens. Journal of Immunology, 1991, 147, 781-7.	0.8	62
107	Host-reactive CD4+ and CD8+ T cell clones isolated from a human chimera produce IL-5, IL-2, IFN-gamma and granulocyte/macrophage-colony-stimulating factor but not IL-4. Journal of Immunology, 1990, 144, 902-8.	0.8	82
108	Interleukin-2 production and interleukin-2 receptor expression in children with newly diagnosed diabetes. Clinical Immunology and Immunopathology, 1988, 49, 53-62.	2.0	26

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109	Antigen recognition by MHC-incompatible cells of a human mismatched chimera.. Journal of Experimental Medicine, 1988, 168, 2139-2152.	8.5	71