Caetano Reis e Sousa

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. Nature, 2006, 441, 101-105.	13.7	3,292
2	Innate Antiviral Responses by Means of TLR7-Mediated Recognition of Single-Stranded RNA. Science, 2004, 303, 1529-1531.	6.0	3,050
3	RIG-I-Mediated Antiviral Responses to Single-Stranded RNA Bearing 5'-Phosphates. Science, 2006, 314, 997-1001.	6.0	1,965
4	NK Cells Stimulate Recruitment of cDC1 into the Tumor Microenvironment Promoting Cancer Immune Control. Cell, 2018, 172, 1022-1037.e14.	13.5	1,187
5	Syk- and CARD9-dependent coupling of innate immunity to the induction of T helper cells that produce interleukin 17. Nature Immunology, 2007, 8, 630-638.	7.0	1,070
6	Dendritic cells in a mature age. Nature Reviews Immunology, 2006, 6, 476-483.	10.6	1,007
7	Cyclooxygenase-Dependent Tumor Growth through Evasion of Immunity. Cell, 2015, 162, 1257-1270.	13.5	840
8	In Vivo Microbial Stimulation Induces Rapid CD40 Ligand–independent Production of Interleukin 12 by Dendritic Cells and their Redistribution to T Cell Areas. Journal of Experimental Medicine, 1997, 186, 1819-1829.	4.2	836
9	Syk-Dependent Cytokine Induction by Dectin-1 Reveals a Novel Pattern Recognition Pathway for C Type Lectins. Immunity, 2005, 22, 507-517.	6.6	815
10	Toll-like receptor 3 promotes cross-priming to virus-infected cells. Nature, 2005, 433, 887-892.	13.7	801
11	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	1.6	766
12	Cytosolic Sensing of Viruses. Immunity, 2013, 38, 855-869.	6.6	686
13	GM-CSF Mouse Bone Marrow Cultures Comprise a Heterogeneous Population of CD11c+MHCII+ Macrophages and Dendritic Cells. Immunity, 2015, 42, 1197-1211.	6.6	682
14	Identification of a dendritic cell receptor that couples sensing of necrosis to immunity. Nature, 2009, 458, 899-903.	13.7	634
15	Innate Recognition of Viruses. Immunity, 2007, 27, 370-383.	6.6	614
16	Characterization of human DNGR-1+ BDCA3+ leukocytes as putative equivalents of mouse CD8α+ dendritic cells. Journal of Experimental Medicine, 2010, 207, 1261-1271.	4.2	613
17	Inflammatory mediators are insufficient for full dendritic cell activation and promote expansion of CD4+ T cell populations lacking helper function. Nature Immunology, 2005, 6, 163-170.	7.0	564
18	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. Nature, 2003, 424, 324-328.	13.7	544

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19	Toll-like receptor expression in murine DC subsets: lack of TLR7 expression by CD8α+ DC correlates with unresponsiveness to imidazoquinolines. European Journal of Immunology, 2003, 33, 827-833.	1.6	517
20	RIG-I Detects Viral Genomic RNA during Negative-Strand RNA Virus Infection. Cell, 2010, 140, 397-408.	13.5	508
21	CD40 Triggering of Heterodimeric IL-12 p70 Production by Dendritic Cells In Vivo Requires a Microbial Priming Signal. Immunity, 2000, 13, 453-462.	6.6	507
22	Inflammatory signals in dendritic cell activation and the induction of adaptive immunity. Immunological Reviews, 2009, 227, 234-247.	2.8	507
23	Myeloid C-type lectins in innate immunity. Nature Immunology, 2006, 7, 1258-1265.	7.0	475
24	RIPK1 and NF-ήB signaling in dying cells determines cross-priming of CD8 ⁺ T cells. Science, 2015, 350, 328-334.	6.0	466
25	Antiviral immunity via RIG-I-mediated recognition of RNA bearing 5′-diphosphates. Nature, 2014, 514, 372-375.	13.7	459
26	Tumor therapy in mice via antigen targeting to a novel, DC-restricted C-type lectin. Journal of Clinical Investigation, 2008, 118, 2098-2110.	3.9	456
27	Signaling by Myeloid C-Type Lectin Receptors in Immunity and Homeostasis. Annual Review of Immunology, 2012, 30, 491-529.	9.5	444
28	<scp>CD</scp> 64 distinguishes macrophages from dendritic cells in the gut and reveals the <scp>T</scp> h1â€inducing role of mesenteric lymph node macrophages during colitis. European Journal of Immunology, 2012, 42, 3150-3166.	1.6	430
29	Dectin-2 is a Syk-coupled pattern recognition receptor crucial for Th17 responses to fungal infection. Journal of Experimental Medicine, 2009, 206, 2037-2051.	4.2	411
30	Dectin-1 uses novel mechanisms for yeast phagocytosis in macrophages. Blood, 2004, 104, 4038-4045.	0.6	408
31	Activation of MDA5 Requires Higher-Order RNA Structures Generated during Virus Infection. Journal of Virology, 2009, 83, 10761-10769.	1.5	377
32	The Formation of Immunogenic Major Histocompatibility Complex Class II–Peptide Ligands in Lysosomal Compartments of Dendritic Cells Is Regulated by Inflammatory Stimuli. Journal of Experimental Medicine, 2000, 191, 927-936.	4.2	370
33	F-Actin Is an Evolutionarily Conserved Damage-Associated Molecular Pattern Recognized by DNGR-1, a Receptor for Dead Cells. Immunity, 2012, 36, 635-645.	6.6	339
34	Dendritic Cells Revisited. Annual Review of Immunology, 2021, 39, 131-166.	9.5	339
35	Myeloid C-type Lectin Receptors in Pathogen Recognition and Host Defense. Immunity, 2011, 34, 651-664.	6.6	336
36	Activation of dendritic cells: translating innate into adaptive immunity. Current Opinion in Immunology, 2004, 16, 21-25.	2.4	331

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37	An Unexpected Role for Uric Acid as an Inducer of T Helper 2 Cell Immunity to Inhaled Antigens and Inflammatory Mediator of Allergic Asthma. Immunity, 2011, 34, 527-540.	6.6	328
38	CCR5 provides a signal for microbial induced production of IL-12 by CD8α+ dendritic cells. Nature Immunology, 2000, 1, 83-87.	7.0	317
39	The Role of Type 1 Conventional Dendritic Cells in Cancer Immunity. Trends in Cancer, 2018, 4, 784-792.	3.8	317
40	Toll-like receptors and dendritic cells: for whom the bug tolls. Seminars in Immunology, 2004, 16, 27-34.	2.7	302
41	Dendritic Cells as Sensors of Infection. Immunity, 2001, 14, 495-498.	6.6	295
42	Essential role for ICSBP in the in vivo development of murine CD8α+ dendritic cells. Blood, 2003, 101, 305-310.	0.6	290
43	Dendritic cells control fibroblastic reticular network tension and lymph node expansion. Nature, 2014, 514, 498-502.	13.7	264
44	The role of dendritic cells in the induction and regulation of immunity to microbial infection. Current Opinion in Immunology, 1999, 11, 392-399.	2.4	260
45	Genetic Tracing via DNGR-1 Expression History Defines Dendritic Cells as a Hematopoietic Lineage. Cell, 2013, 154, 843-858.	13.5	253
46	Nucleic acid agonists for Toll-like receptor 7 are defined by the presence of uridine ribonucleotides. European Journal of Immunology, 2006, 36, 3256-3267.	1.6	242
47	DC activated <i>via</i> dectinâ€l convert Treg into ILâ€l7 producers. European Journal of Immunology, 2008, 38, 3274-3281.	1.6	242
48	DNGR-1 is a specific and universal marker of mouse and human Batf3-dependent dendritic cells in lymphoid and nonlymphoid tissues. Blood, 2012, 119, 6052-6062.	0.6	226
49	The dendritic cell receptor DNGR-1 controls endocytic handling of necrotic cell antigens to favor cross-priming of CTLs in virus-infected mice. Journal of Clinical Investigation, 2012, 122, 1615-1627.	3.9	221
50	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. Nature Immunology, 2003, 4, 485-490.	7.0	215
51	Microbial Recognition Via Toll-Like Receptor-Dependent and -Independent Pathways Determines the Cytokine Response of Murine Dendritic Cell Subsets to CD40 Triggering. Journal of Immunology, 2002, 169, 3652-3660.	0.4	201
52	Cross-presentation of cell-associated antigens by CD8α+dendritic cells is attributable to their ability to internalize dead cells. Immunology, 2002, 107, 183-189.	2.0	190
53	Stimulation of dendritic cells via the dectin-1/Syk pathway allows priming of cytotoxic T-cell responses. Blood, 2008, 112, 4971-4980.	0.6	175
54	Paralysis of Dendritic Cell IL-12 Production by Microbial Products Prevents Infection-Induced Immunopathology. Immunity, 1999, 11, 637-647.	6.6	171

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55	IL-17 Regulates Systemic Fungal Immunity by Controlling the Functional Competence of NK Cells. Immunity, 2014, 40, 117-127.	6.6	163
56	Defining dendritic cells. Current Opinion in Immunology, 2015, 32, 13-20.	2.4	163
57	Syk-dependent ERK activation regulates IL-2 and IL-10 production by DC stimulated with zymosan. European Journal of Immunology, 2007, 37, 1600-1612.	1.6	161
58	RIGorous Detection: Exposing Virus Through RNA Sensing. Science, 2010, 327, 284-286.	6.0	148
59	Dendritic Cells. Immunity, 2004, 20, 17-23.	6.6	143
60	The DC receptor DNGR-1 mediates cross-priming of CTLs during vaccinia virus infection in mice. Journal of Clinical Investigation, 2012, 122, 1628-1643.	3.9	143
61	SAMHD1-dependent retroviral control and escape in mice. EMBO Journal, 2013, 32, 2454-2462.	3.5	141
62	Protein Kinase R Contributes to Immunity against Specific Viruses by Regulating Interferon mRNA Integrity. Cell Host and Microbe, 2010, 7, 354-361.	5.1	137
63	CLEC-2 and Syk in the megakaryocytic/platelet lineage are essential for development. Blood, 2012, 119, 1747-1756.	0.6	132
64	Efficient and versatile manipulation of the peripheral CD4 ⁺ Tâ€cell compartment by antigen targeting to DNGRâ€1/CLEC9A. European Journal of Immunology, 2010, 40, 1255-1265.	1.6	131
65	MHC class II expression is differentially regulated in plasmacytoid and conventional dendritic cells. Nature Immunology, 2004, 5, 899-908.	7.0	124
66	Molecular mechanism of influenza A NS1-mediated TRIM25 recognition and inhibition. Nature Communications, 2018, 9, 1820.	5.8	124
67	Relationships Among Murine CD11chigh Dendritic Cell Subsets as Revealed by Baseline Gene Expression Patterns. Journal of Immunology, 2003, 171, 47-60.	0.4	119
68	Antigen-unspecific B Cells and Lymphoid Dendritic Cells Both Show Extensive Surface Expression of Processed Antigen–Major Histocompatibility Complex Class II Complexes after Soluble Protein Exposure In Vivo or In Vitro. Journal of Experimental Medicine, 1997, 186, 673-682.	4.2	118
69	Inflammation-induced disruption of SCS macrophages impairs B cell responses to secondary infection. Science, 2015, 347, 667-672.	6.0	117
70	CLEC-2 Is a Phagocytic Activation Receptor Expressed on Murine Peripheral Blood Neutrophils. Journal of Immunology, 2009, 182, 4150-4157.	0.4	111
71	The ability of murine dendritic cell subsets to direct T helper cell differentiation is dependent on microbial signals. European Journal of Immunology, 2003, 33, 101-107.	1.6	109
72	IL-12 Induction by a Th1-Inducing Adjuvant In Vivo: Dendritic Cell Subsets and Regulation by IL-10. Journal of Immunology, 2001, 167, 1423-1430.	0.4	105

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73	Adaptive immunity after cell death. Trends in Immunology, 2013, 34, 329-335.	2.9	104
74	The receptor DNGR-1 signals for phagosomal rupture to promote cross-presentation of dead-cell-associated antigens. Nature Immunology, 2021, 22, 140-153.	7.0	104
75	ICSBP/IRF-8 retrovirus transduction rescues dendritic cell development in vitro. Blood, 2003, 101, 961-969.	0.6	101
76	Processing and Presentation of Endocytically Acquired Protein Antigens by MHC Class II and Class I Molecules. Immunological Reviews, 1996, 151, 5-30.	2.8	99
77	Identification of an LGP2-associated MDA5 agonist in picornavirus-infected cells. ELife, 2014, 3, e01535.	2.8	99
78	Inactivation of the type I interferon pathway reveals long doubleâ€stranded <scp>RNA</scp> â€mediated <scp>RNA</scp> interference in mammalian cells. EMBO Journal, 2016, 35, 2505-2518.	3.5	94
79	The RIGâ€lâ€like receptor LGP2 inhibits Dicerâ€dependent processing of long doubleâ€stranded <scp>RNA</scp> and blocks <scp>RNA</scp> interference in mammalian cells. EMBO Journal, 2018, 37, .	3.5	94
80	Tissue clonality of dendritic cell subsets and emergency DCpoiesis revealed by multicolor fate mapping of DC progenitors. Science Immunology, 2019, 4, .	5.6	93
81	Slicing and dicing viruses: antiviral <scp>RNA</scp> interference in mammals. EMBO Journal, 2019, 38, .	3.5	92
82	Tubulovesicular Structures within Vesicular Stomatitis Virus G Protein-Pseudotyped Lentiviral Vector Preparations Carry DNA and Stimulate Antiviral Responses via Toll-Like Receptor 9. Journal of Virology, 2007, 81, 539-547.	1.5	89
83	Direct activation of antigen-presenting cells is required for CD8 ⁺ T-cell priming and tumor vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17414-17419.	3.3	86
84	Syk Signaling in Dendritic Cells Orchestrates Innate Resistance to Systemic Fungal Infection. PLoS Pathogens, 2014, 10, e1004276.	2.1	78
85	Processing of Human Toll-like Receptor 7 by Furin-like Proprotein Convertases Is Required for Its Accumulation and Activity in Endosomes. Immunity, 2013, 39, 711-721.	6.6	77
86	Sensing of cell death by myeloid C-type lectin receptors. Current Opinion in Immunology, 2013, 25, 46-52.	2.4	77
87	Antibodies targeting Clec9A promote strong humoral immunity without adjuvant in mice and nonâ€human primates. European Journal of Immunology, 2015, 45, 854-864.	1.6	76
88	Microbial and T Cell-Derived Stimuli Regulate Antigen Presentation by Dendritic Cells In Vivo. Journal of Immunology, 2000, 165, 5027-5034.	0.4	75
89	Internalization of Dectinâ€l terminates induction of inflammatory responses. European Journal of Immunology, 2009, 39, 507-513.	1.6	75
90	CLECâ€⊋ signaling via Syk in myeloid cells can regulate inflammatory responses. European Journal of Immunology, 2011, 41, 3040-3053.	1.6	75

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91	An isoform of Dicer protects mammalian stem cells against multiple RNA viruses. Science, 2021, 373, 231-236.	6.0	67
92	Selective Induction of Apoptosis in Mature T Lymphocytes by Variant T Cell Receptor Ligands. Journal of Experimental Medicine, 1998, 187, 349-355.	4.2	64
93	Intestinal intraepithelial lymphocyte activation promotes innate antiviral resistance. Nature Communications, 2015, 6, 7090.	5.8	64
94	Secreted gelsolin inhibits DNGR-1-dependent cross-presentation and cancer immunity. Cell, 2021, 184, 4016-4031.e22.	13.5	63
95	Direct reprogramming of fibroblasts into antigen-presenting dendritic cells. Science Immunology, 2018, 3, .	5.6	62
96	Dendritic Cell Lineage Potential in Human Early Hematopoietic Progenitors. Cell Reports, 2017, 20, 529-537.	2.9	61
97	Structure of the Complex of F-Actin and DNGR-1, a C-Type Lectin Receptor Involved in Dendritic Cell Cross-Presentation of Dead Cell-Associated Antigens. Immunity, 2015, 42, 839-849.	6.6	60
98	CD36 or αvβ3 and αvβ5 Integrins Are Not Essential for MHC Class I Cross-Presentation of Cell-Associated Antigen by CD8α+ Murine Dendritic Cells. Journal of Immunology, 2002, 168, 6057-6065.	0.4	58
99	Differential TCR Signaling Regulates Apoptosis and Immunopathology during Antigen Responses In Vivo. Immunity, 1998, 9, 305-313.	6.6	56
100	Dendritic cell quiescence during systemic inflammation driven by LPS stimulation of radioresistant cells in vivo. Journal of Experimental Medicine, 2007, 204, 1487-1501.	4.2	55
101	Actin is an evolutionarily-conserved damage-associated molecular pattern that signals tissue injury in Drosophila melanogaster. ELife, 2016, 5, .	2.8	51
102	Newly Activated T Cells Promote Maturation of Bystander Dendritic Cells but Not IL-12 Production. Journal of Immunology, 2003, 171, 6406-6413.	0.4	50
103	Dendritic cell expression of the Notch ligand <i>jagged2</i> is not essential for Th2 response induction <i>in vivo</i> . European Journal of Immunology, 2008, 38, 1043-1049.	1.6	50
104	Advantages and limitations of mouse models to deplete dendritic cells. European Journal of Immunology, 2013, 43, 22-26.	1.6	50
105	Self peptide/MHC class I complexes have a negligible effect on the response of some CD8+ T cells to foreign antigen. European Journal of Immunology, 2002, 32, 3161-3170.	1.6	36
106	PYHIN proteins: center stage in DNA sensing. Nature Immunology, 2010, 11, 984-986.	7.0	33
107	Mouse superkillerâ€2â€like helicase DDX60 is dispensable for type I IFN induction and immunity to multiple viruses. European Journal of Immunology, 2015, 45, 3386-3403.	1.6	33
108	Alive but Confused: Heterogeneity of CD11c + MHC Class II + Cells in GM-CSF Mouse Bone Marrow Cultures. Immunity, 2016, 44, 3-4.	6.6	31

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109	Hoxb8 conditionally immortalised macrophage lines model inflammatory monocytic cells with important similarity to dendritic cells. European Journal of Immunology, 2011, 41, 356-365.	1.6	30
110	Dendritic cells in remodeling of lymph nodes during immune responses. Immunological Reviews, 2016, 271, 221-229.	2.8	30
111	Myosin II Synergizes with F-Actin to Promote DNGR-1-Dependent Cross-Presentation of Dead Cell-Associated Antigens. Cell Reports, 2018, 24, 419-428.	2.9	30
112	A <scp>pH</scp> †and ionic strengthâ€dependent conformational change in the neck region regulates <scp>DNGR</scp> â€1 function in dendritic cells. EMBO Journal, 2016, 35, 2484-2497.	3.5	27
113	Epithelial colonization by gut dendritic cells promotes their functional diversification. Immunity, 2022, 55, 129-144.e8.	6.6	27
114	RNA sensing via the RIGâ€lâ€like receptor LGP2 is essential for the induction of a type I IFN response in ADAR1 deficiency. EMBO Journal, 2022, 41, e109760.	3.5	27
115	Altered Lymph Node Composition in Diphtheria Toxin Receptor–Based Mouse Models To Ablate Dendritic Cells. Journal of Immunology, 2015, 194, 307-315.	0.4	20
116	Targeting the viral Achilles' heel: recognition of 5′-triphosphate RNA in innate anti-viral defence. Current Opinion in Microbiology, 2013, 16, 485-492.	2.3	19
117	Clec9a-Mediated Ablation of Conventional Dendritic Cells Suggests a Lymphoid Path to Generating Dendritic Cells In Vivo. Frontiers in Immunology, 2018, 9, 699.	2.2	18
118	Mature T cell seeks antigen for meaningful relationship in lymph node. Immunology, 2001, 102, 381-386.	2.0	17
119	α-actinin accounts for the bioactivity of actin preparations in inducing STAT target genes in Drosophila melanogaster. ELife, 2018, 7, .	2.8	16
120	The Processed Amino-Terminal Fragment of Human TLR7 Acts as a Chaperone To Direct Human TLR7 into Endosomes. Journal of Immunology, 2015, 194, 5417-5425.	0.4	15
121	IMMUNOLOGY: Eating In to Avoid Infection. Science, 2007, 315, 1376-1377.	6.0	14
122	Reducing prostaglandin E ₂ production to raise cancer immunogenicity. OncoImmunology, 2016, 5, e1123370.	2.1	14
123	Recruitment of dendritic cell progenitors to foci of influenza A virus infection sustains immunity. Science Immunology, 2021, 6, eabi9331.	5.6	14
124	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. Wellcome Open Research, 2021, 6, 9.	0.9	13
125	The Role of Dendritic Cells in the Initiation of Host Resistance to Toxoplasma Gondii. Advances in Experimental Medicine and Biology, 1998, 452, 103-110.	0.8	12
126	Maintenance and loss of endocytic organelle integrity: mechanisms and implications for antigen cross-presentation. Open Biology, 2021, 11, 210194.	1.5	12

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127	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. Wellcome Open Research, 2021, 6, 9.	0.9	11
128	Phagocytosis of Antigens by Langerhans Cells. Advances in Experimental Medicine and Biology, 1993, 329, 199-204.	0.8	11
129	Crossâ€presentation of deadâ€cellâ€associated antigens by DNGRâ€1 ⁺ dendritic cells contributes to chronic allograft rejection in mice. European Journal of Immunology, 2020, 50, 2041-2054.	1.6	9
130	Sensing infection and tissue damage. EMBO Molecular Medicine, 2017, 9, 285-288.	3.3	8
131	Harnessing dendritic cells. Seminars in Immunology, 2011, 23, 1.	2.7	7
132	2011 ESCI Award for Excellence in Basic / Translational Research: innate regulation of adaptive immunity by dendritic cells. European Journal of Clinical Investigation, 2011, 41, 907-916.	1.7	7
133	Conditioning of Dendritic Cells by Pathogen-Derived Stimuli. Immunobiology, 2001, 204, 595-597.	0.8	6
134	Oncogenic Transformation of Dendritic Cells and Their Precursors Leads to Rapid Cancer Development in Mice. Journal of Immunology, 2015, 195, 5066-5076.	0.4	5
135	DNGR-1, an F-Actin-Binding C-Type Lectin Receptor Involved in Cross-Presentation of Dead Cell-Associated Antigens by Dendritic Cells. , 2016, , 65-81.		4
136	Antigen processing. Current Opinion in Immunology, 2014, 26, 138-139.	2.4	3
137	Drosha cuts the tethers of myelopoiesis. Nature Immunology, 2015, 16, 1110-1112.	7.0	2
138	Cytoskeletal Exposure in the Regulation of Immunity and Initiation of Tissue Repair. BioEssays, 2019, 41, 1900021.	1.2	2
139	Caetano Reis e Sousa: harnessing DC power. Journal of Experimental Medicine, 2008, 205, 1946-1947.	4.2	0
140	Dectin-2 is a Syk-coupled pattern recognition receptor crucial for Th17 responses to fungal infection. Journal of Cell Biology, 2009, 186, i9-i9.	2.3	0