Caetano Reis e Sousa

List of Publications by Year
in descending order

140 papers	37,512 citations	6254 80 h-index	10445 139 g-index
251 all docs	251 docs citations	251 times ranked	35359 citing authors

#	Article	IF	Citations
1	Epithelial colonization by gut dendritic cells promotes their functional diversification. Immunity, 2022, 55, 129-144.e8.	14.3	27
2	RNA sensing via the RIGâ€Iâ€like receptor LGP2 is essential for the induction of a type I IFN response in ADAR1 deficiency. EMBO Journal, 2022, 41, e109760.	7.8	27
3	The receptor DNGR-1 signals for phagosomal rupture to promote cross-presentation of dead-cell-associated antigens. Nature Immunology, 2021, 22, 140-153.	14.5	104
4	Dendritic Cells Revisited. Annual Review of Immunology, 2021, 39, 131-166.	21.8	339
5	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. Wellcome Open Research, 2021, 6, 9.	1.8	13
6	An isoform of Dicer protects mammalian stem cells against multiple RNA viruses. Science, 2021, 373, 231-236.	12.6	67
7	Secreted gelsolin inhibits DNGR-1-dependent cross-presentation and cancer immunity. Cell, 2021, 184, 4016-4031.e22.	28.9	63
8	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. Wellcome Open Research, 2021, 6, 9.	1.8	11
9	Recruitment of dendritic cell progenitors to foci of influenza A virus infection sustains immunity. Science Immunology, 2021, 6, eabi9331.	11.9	14
10	Maintenance and loss of endocytic organelle integrity: mechanisms and implications for antigen cross-presentation. Open Biology, 2021, 11, 210194.	3.6	12
11	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.	2.9	9
12	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	2.9	766
13	Cytoskeletal Exposure in the Regulation of Immunity and Initiation of Tissue Repair. BioEssays, 2019, 41, 1900021.	2.5	2
14	Tissue clonality of dendritic cell subsets and emergency DCpoiesis revealed by multicolor fate mapping of DC progenitors. Science Immunology, 2019, 4, .	11.9	93
15	Slicing and dicing viruses: antiviral <scp>RNA</scp> interference in mammals. EMBO Journal, 2019, 38, .	7.8	92
16	NK Cells Stimulate Recruitment of cDC1 into the Tumor Microenvironment Promoting Cancer Immune Control. Cell, 2018, 172, 1022-1037.e14.	28.9	1,187
17	The RIGâ€Iâ€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, .	7.8	94
18	Direct reprogramming of fibroblasts into antigen-presenting dendritic cells. Science Immunology, 2018, 3, .	11.9	62

#	Article	IF	Citations
19	The Role of Type 1 Conventional Dendritic Cells in Cancer Immunity. Trends in Cancer, 2018, 4, 784-792.	7.4	317
20	Clec9a-Mediated Ablation of Conventional Dendritic Cells Suggests a Lymphoid Path to Generating Dendritic Cells In Vivo. Frontiers in Immunology, 2018, 9, 699.	4.8	18
21	Myosin II Synergizes with F-Actin to Promote DNGR-1-Dependent Cross-Presentation of Dead Cell-Associated Antigens. Cell Reports, 2018, 24, 419-428.	6.4	30
22	Molecular mechanism of influenza A NS1-mediated TRIM25 recognition and inhibition. Nature Communications, 2018, 9, 1820.	12.8	124
23	Î±-actinin accounts for the bioactivity of actin preparations in inducing STAT target genes in Drosophila melanogaster. ELife, 2018, 7, .	6.0	16
24	Sensing infection and tissue damage. EMBO Molecular Medicine, 2017, 9, 285-288.	6.9	8
25	Dendritic Cell Lineage Potential in Human Early Hematopoietic Progenitors. Cell Reports, 2017, 20, 529-537.	6.4	61
26	Dendritic cells in remodeling of lymph nodes during immune responses. Immunological Reviews, 2016, 271, 221-229.	6.0	30
27	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.	7.8	94
28	A <scp>pH</scp> â€•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.	7.8	27
29	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
30	Reducing prostaglandin E₂production to raise cancer immunogenicity. OncoImmunology, 2016, 5, e1123370.	4.6	14
31	Alive but Confused: Heterogeneity of CD11c + MHC Class II + Cells in GM-CSF Mouse Bone Marrow Cultures. Immunity, 2016, 44, 3-4.	14.3	31
32	Actin is an evolutionarily-conserved damage-associated molecular pattern that signals tissue injury in Drosophila melanogaster. ELife, 2016, 5, .	6.0	51
33	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.	2.9	33
34	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.	14.3	60
35	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.	0.8	15
36	Intestinal intraepithelial lymphocyte activation promotes innate antiviral resistance. Nature Communications, 2015, 6, 7090.	12.8	64

#	Article	IF	Citations
37	Inflammation-induced disruption of SCS macrophages impairs B cell responses to secondary infection. Science, 2015, 347, 667-672.	12.6	117
38	Antibodies targeting Clec9A promote strong humoral immunity without adjuvant in mice and nonâ€human primates. European Journal of Immunology, 2015, 45, 854-864.	2.9	76
39	Altered Lymph Node Composition in Diphtheria Toxin Receptorâ€"Based Mouse Models To Ablate Dendritic Cells. Journal of Immunology, 2015, 194, 307-315.	0.8	20
40	GM-CSF Mouse Bone Marrow Cultures Comprise a Heterogeneous Population of CD11c+MHCII+ Macrophages and Dendritic Cells. Immunity, 2015, 42, 1197-1211.	14.3	682
41	RIPK1 and NF-Îºb signaling in dying cells determines cross-priming of CD8 ⁺ T cells. Science, 2015, 350, 328-334.	12.6	466
42	Drosha cuts the tethers of myelopoiesis. Nature Immunology, 2015, 16, 1110-1112.	14.5	2
43	Oncogenic Transformation of Dendritic Cells and Their Precursors Leads to Rapid Cancer Development in Mice. Journal of Immunology, 2015, 195, 5066-5076.	0.8	5
44	Cyclooxygenase-Dependent Tumor Growth through Evasion of Immunity. Cell, 2015, 162, 1257-1270.	28.9	840
45	Defining dendritic cells. Current Opinion in Immunology, 2015, 32, 13-20.	5.5	163
46	Syk Signaling in Dendritic Cells Orchestrates Innate Resistance to Systemic Fungal Infection. PLoS Pathogens, 2014, 10, e1004276.	4.7	78
47	Antigen processing. Current Opinion in Immunology, 2014, 26, 138-139.	5.5	3
48	Dendritic cells control fibroblastic reticular network tension and lymph node expansion. Nature, 2014, 514, 498-502.	27.8	264
49	Antiviral immunity via RIG-I-mediated recognition of RNA bearing 5â€²-diphosphates. Nature, 2014, 514, 372-375.	27.8	459
50	IL-17 Regulates Systemic Fungal Immunity by Controlling the Functional Competence of NK Cells. Immunity, 2014, 40, 117-127.	14.3	163
51	Identification of an LGP2-associated MDA5 agonist in picornavirus-infected cells. ELife, 2014, 3, e01535.	6.0	99
52	SAMHD1-dependent retroviral control and escape in mice. EMBO Journal, 2013, 32, 2454-2462.	7.8	141
53	Genetic Tracing via DNGR-1 Expression History Defines Dendritic Cells as a Hematopoietic Lineage. Cell, 2013, 154, 843-858.	28.9	253
54	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.	14.3	77

#	Article	IF	Citations
55	Sensing of cell death by myeloid C-type lectin receptors. Current Opinion in Immunology, 2013, 25, 46-52.	5.5	77
56	Advantages and limitations of mouse models to deplete dendritic cells. European Journal of Immunology, 2013, 43, 22-26.	2.9	50
57	Cytosolic Sensing of Viruses. Immunity, 2013, 38, 855-869.	14.3	686
58	Targeting the viral Achillesâ€™ heel: recognition of 5â€²-triphosphate RNA in innate anti-viral defence. Current Opinion in Microbiology, 2013, 16, 485-492.	5.1	19
59	Adaptive immunity after cell death. Trends in Immunology, 2013, 34, 329-335.	6.8	104
60	CLEC-2 and Syk in the megakaryocytic/platelet lineage are essential for development. Blood, 2012, 119, 1747-1756.	1.4	132
61	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.	1.4	226
62	<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.	2.9	430
63	F-Actin Is an Evolutionarily Conserved Damage-Associated Molecular Pattern Recognized by DNGR-1, a Receptor for Dead Cells. Immunity, 2012, 36, 635-645.	14.3	339
64	The DC receptor DNGR-1 mediates cross-priming of CTLs during vaccinia virus infection in mice. Journal of Clinical Investigation, 2012, 122, 1628-1643.	8.2	143
65	Signaling by Myeloid C-Type Lectin Receptors in Immunity and Homeostasis. Annual Review of Immunology, 2012, 30, 491-529.	21.8	444
66	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.	8.2	221
67	Harnessing dendritic cells. Seminars in Immunology, 2011, 23, 1.	5.6	7
68	2011 ESCI Award for Excellence in Basicâ€Š/â€ŠTranslational Research: innate regulation of adaptive immunity by dendritic cells. European Journal of Clinical Investigation, 2011, 41, 907-916.	3.4	7
69	Hoxb8 conditionally immortalised macrophage lines model inflammatory monocytic cells with important similarity to dendritic cells. European Journal of Immunology, 2011, 41, 356-365.	2.9	30
70	CLECâ€2 signaling via Syk in myeloid cells can regulate inflammatory responses. European Journal of Immunology, 2011, 41, 3040-3053.	2.9	75
71	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.	14.3	328
72	Myeloid C-type Lectin Receptors in Pathogen Recognition and Host Defense. Immunity, 2011, 34, 651-664.	14.3	336

#	Article	IF	Citations
73	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.	7.1	86
74	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.	2.9	131
75	PYHIN proteins: center stage in DNA sensing. Nature Immunology, 2010, 11, 984-986.	14.5	33
76	Characterization of human DNGR-1+ BDCA3+ leukocytes as putative equivalents of mouse CD8Î±+ dendritic cells. Journal of Experimental Medicine, 2010, 207, 1261-1271.	8.5	613
77	RIGorous Detection: Exposing Virus Through RNA Sensing. Science, 2010, 327, 284-286.	12.6	148
78	RIG-I Detects Viral Genomic RNA during Negative-Strand RNA Virus Infection. Cell, 2010, 140, 397-408.	28.9	508
79	Protein Kinase R Contributes to Immunity against Specific Viruses by Regulating Interferon mRNA Integrity. Cell Host and Microbe, 2010, 7, 354-361.	11.0	137
80	CLEC-2 Is a Phagocytic Activation Receptor Expressed on Murine Peripheral Blood Neutrophils. Journal of Immunology, 2009, 182, 4150-4157.	0.8	111
81	Activation of MDA5 Requires Higher-Order RNA Structures Generated during Virus Infection. Journal of Virology, 2009, 83, 10761-10769.	3.4	377
82	Dectin-2 is a Syk-coupled pattern recognition receptor crucial for Th17 responses to fungal infection. Journal of Experimental Medicine, 2009, 206, 2037-2051.	8.5	411
83	Internalization of Dectinâ€1 terminates induction of inflammatory responses. European Journal of Immunology, 2009, 39, 507-513.	2.9	75
84	Identification of a dendritic cell receptor that couples sensing of necrosis to immunity. Nature, 2009, 458, 899-903.	27.8	634
85	Inflammatory signals in dendritic cell activation and the induction of adaptive immunity. Immunological Reviews, 2009, 227, 234-247.	6.0	507
86	Dectin-2 is a Syk-coupled pattern recognition receptor crucial for Th17 responses to fungal infection. Journal of Cell Biology, 2009, 186, i9-i9.	5.2	0
87	Dendritic cell expression of the Notch ligand jagged2 is not essential for Th2 response induction in vivo. European Journal of Immunology, 2008, 38, 1043-1049.	2.9	50
88	DC activated via dectinâ€1 convert Treg into ILâ€17 producers. European Journal of Immunology, 2008, 38, 3274-3281.	2.9	242
89	Caetano Reis e Sousa: harnessing DC power. Journal of Experimental Medicine, 2008, 205, 1946-1947.	8.5	0
90	Stimulation of dendritic cells via the dectin-1/Syk pathway allows priming of cytotoxic T-cell responses. Blood, 2008, 112, 4971-4980.	1.4	175

#	Article	IF	Citations
91	Tumor therapy in mice via antigen targeting to a novel, DC-restricted C-type lectin. Journal of Clinical Investigation, 2008, 118, 2098-2110.	8.2	456
92	Dendritic cell quiescence during systemic inflammation driven by LPS stimulation of radioresistant cells in vivo. Journal of Experimental Medicine, 2007, 204, 1487-1501.	8.5	55
93	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.	3.4	89
94	IMMUNOLOGY: Eating In to Avoid Infection. Science, 2007, 315, 1376-1377.	12.6	14
95	Innate Recognition of Viruses. Immunity, 2007, 27, 370-383.	14.3	614
96	Syk-dependent ERK activation regulates IL-2 and IL-10 production by DC stimulated with zymosan. European Journal of Immunology, 2007, 37, 1600-1612.	2.9	161
97	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.	14.5	1,070
98	RIG-I-Mediated Antiviral Responses to Single-Stranded RNA Bearing 5'-Phosphates. Science, 2006, 314, 997-1001.	12.6	1,965
99	Myeloid C-type lectins in innate immunity. Nature Immunology, 2006, 7, 1258-1265.	14.5	475
100	Dendritic cells in a mature age. Nature Reviews Immunology, 2006, 6, 476-483.	22.7	1,007
101	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. Nature, 2006, 441, 101-105.	27.8	3,292
102	Nucleic acid agonists for Toll-like receptor 7 are defined by the presence of uridine ribonucleotides. European Journal of Immunology, 2006, 36, 3256-3267.	2.9	242
103	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.	14.5	564
104	Toll-like receptor 3 promotes cross-priming to virus-infected cells. Nature, 2005, 433, 887-892.	27.8	801
105	Syk-Dependent Cytokine Induction by Dectin-1 Reveals a Novel Pattern Recognition Pathway for C Type Lectins. Immunity, 2005, 22, 507-517.	14.3	815
106	MHC class II expression is differentially regulated in plasmacytoid and conventional dendritic cells. Nature Immunology, 2004, 5, 899-908.	14.5	124
107	Activation of dendritic cells: translating innate into adaptive immunity. Current Opinion in Immunology, 2004, 16, 21-25.	5.5	331
108	Innate Antiviral Responses by Means of TLR7-Mediated Recognition of Single-Stranded RNA. Science, 2004, 303, 1529-1531.	12.6	3,050

#	Article	IF	Citations
109	Toll-like receptors and dendritic cells: for whom the bug tolls. Seminars in Immunology, 2004, 16, 27-34.	5.6	302
110	Dendritic Cells. Immunity, 2004, 20, 17-23.	14.3	143
111	Dectin-1 uses novel mechanisms for yeast phagocytosis in macrophages. Blood, 2004, 104, 4038-4045.	1.4	408
112	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.	2.9	109
113	Tollâ€like receptor expression in murine DC subsets: lack of TLR7 expression by CD8Î±⁺ DC correlates with unresponsiveness to imidazoquinolines. European Journal of Immunology, 2003, 33, 827-833.	2.9	517
114	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. Nature, 2003, 424, 324-328.	27.8	544
115	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. Nature Immunology, 2003, 4, 485-490.	14.5	215
116	Relationships Among Murine CD11chigh Dendritic Cell Subsets as Revealed by Baseline Gene Expression Patterns. Journal of Immunology, 2003, 171, 47-60.	0.8	119
117	Newly Activated T Cells Promote Maturation of Bystander Dendritic Cells but Not IL-12 Production. Journal of Immunology, 2003, 171, 6406-6413.	0.8	50
118	Essential role for ICSBP in the in vivo development of murine CD8Î±+ dendritic cells. Blood, 2003, 101, 305-310.	1.4	290
119	ICSBP/IRF-8 retrovirus transduction rescues dendritic cell development in vitro. Blood, 2003, 101, 961-969.	1.4	101
120	CD36 or Î±vÎ²3 and Î±vÎ²5 Integrins Are Not Essential for MHC Class I Cross-Presentation of Cell-Associated Antigen by CD8Î±+ Murine Dendritic Cells. Journal of Immunology, 2002, 168, 6057-6065.	0.8	58
121	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.	0.8	201
122	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.	2.9	36
123	Cross-presentation of cell-associated antigens by CD8Î±+dendritic cells is attributable to their ability to internalize dead cells. Immunology, 2002, 107, 183-189.	4.4	190
124	Conditioning of Dendritic Cells by Pathogen-Derived Stimuli. Immunobiology, 2001, 204, 595-597.	1.9	6
125	Dendritic Cells as Sensors of Infection. Immunity, 2001, 14, 495-498.	14.3	295
126	Mature T cell seeks antigen for meaningful relationship in lymph node. Immunology, 2001, 102, 381-386.	4.4	17

#	Article	IF	Citations
127	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.	0.8	105
128	CCR5 provides a signal for microbial induced production of IL-12 by CD8Î±+ dendritic cells. Nature Immunology, 2000, 1, 83-87.	14.5	317
129	The Formation of Immunogenic Major Histocompatibility Complex Class IIâ€"Peptide Ligands in Lysosomal Compartments of Dendritic Cells Is Regulated by Inflammatory Stimuli. Journal of Experimental Medicine, 2000, 191, 927-936.	8.5	370
130	Microbial and T Cell-Derived Stimuli Regulate Antigen Presentation by Dendritic Cells In Vivo. Journal of Immunology, 2000, 165, 5027-5034.	0.8	75
131	CD40 Triggering of Heterodimeric IL-12 p70 Production by Dendritic Cells In Vivo Requires a Microbial Priming Signal. Immunity, 2000, 13, 453-462.	14.3	507
132	The role of dendritic cells in the induction and regulation of immunity to microbial infection. Current Opinion in Immunology, 1999, 11, 392-399.	5.5	260
133	Paralysis of Dendritic Cell IL-12 Production by Microbial Products Prevents Infection-Induced Immunopathology. Immunity, 1999, 11, 637-647.	14.3	171
134	Differential TCR Signaling Regulates Apoptosis and Immunopathology during Antigen Responses In Vivo. Immunity, 1998, 9, 305-313.	14.3	56
135	Selective Induction of Apoptosis in Mature T Lymphocytes by Variant T Cell Receptor Ligands. Journal of Experimental Medicine, 1998, 187, 349-355.	8.5	64
136	The Role of Dendritic Cells in the Initiation of Host Resistance to Toxoplasma Gondii. Advances in Experimental Medicine and Biology, 1998, 452, 103-110.	1.6	12
137	In Vivo Microbial Stimulation Induces Rapid CD40 Ligandâ€"independent Production of Interleukin 12 by Dendritic Cells and their Redistribution to T Cell Areas. Journal of Experimental Medicine, 1997, 186, 1819-1829.	8.5	836
138	Antigen-unspecific B Cells and Lymphoid Dendritic Cells Both Show Extensive Surface Expression of Processed Antigenâ€"Major Histocompatibility Complex Class II Complexes after Soluble Protein Exposure In Vivo or In Vitro. Journal of Experimental Medicine, 1997, 186, 673-682.	8.5	118
139	Processing and Presentation of Endocytically Acquired Protein Antigens by MHC Class II and Class I Molecules. Immunological Reviews, 1996, 151, 5-30.	6.0	99
140	Phagocytosis of Antigens by Langerhans Cells. Advances in Experimental Medicine and Biology, 1993, 329, 199-204.	1.6	11