Caetano Reis e Sousa

List of Publications by Year in Descending Order

137 papers	30,828 citations	76 h-index	175 g-index
251 ext. papers	34,702 ext. citations	17.4 avg, IF	7.2 L-index

#	Paper	IF	Citations
137	RNA sensing via the RIG-I-like receptor LGP2 is essential for the induction of a type I IFN response in ADAR1 deficiency.. *EMBO Journal*, **2022**, e109760	13	1
136	Recruitment of dendritic cell progenitors to foci of influenza A virus infection sustains immunity. *Science Immunology*, **2021**, 6, eabi9331	28	1
135	Maintenance and loss of endocytic organelle integrity: mechanisms and implications for antigen cross-presentation. *Open Biology*, **2021**, 11, 210194	7	0
134	Epithelial colonization by gut dendritic cells promotes their functional diversification.. *Immunity*, **2021**,	32.3	5
133	Dendritic Cells Revisited. *Annual Review of Immunology*, **2021**, 39, 131-166	34.7	78
132	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. *Wellcome Open Research*, **2021**, 6, 9	4.8	8
131	An isoform of Dicer protects mammalian stem cells against multiple RNA viruses. *Science*, **2021**, 373, 231-236	33.3	26
130	The receptor DNGR-1 signals for phagosomal rupture to promote cross-presentation of dead-cell-associated antigens. *Nature Immunology*, **2021**, 22, 140-153	19.1	28
129	Secreted gelsolin inhibits DNGR-1-dependent cross-presentation and cancer immunity. *Cell*, **2021**, 184, 4016-4031.e22	56.2	10
128	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. *Wellcome Open Research*, **2021**, 6, 9	4.8	7
127	Cross-presentation of dead-cell-associated antigens by DNGR-1 dendritic cells contributes to chronic allograft rejection in mice. *European Journal of Immunology*, **2020**, 50, 2041-2054	6.1	5
126	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). *European Journal of Immunology*, **2019**, 49, 1457-1973	6.1	485
125	Cytoskeletal Exposure in the Regulation of Immunity and Initiation of Tissue Repair. *BioEssays*, **2019**, 41, e1900021	4.1	0
124	Tissue clonality of dendritic cell subsets and emergency DCpoiesis revealed by multicolor fate mapping of DC progenitors. *Science Immunology*, **2019**, 4,	28	46
123	Slicing and dicing viruses: antiviral RNA interference in mammals. *EMBO Journal*, **2019**, 38,	13	51
122	NK Cells Stimulate Recruitment of cDC1 into the Tumor Microenvironment Promoting Cancer Immune Control. *Cell*, **2018**, 172, 1022-1037.e14	56.2	674
121	The RIG-I-like receptor LGP2 inhibits Dicer-dependent processing of long double-stranded RNA and blocks RNA interference in mammalian cells. *EMBO Journal*, **2018**, 37,	13	53

120	Mediated Ablation of Conventional Dendritic Cells Suggests a Lymphoid Path to Generating Dendritic Cells. *Frontiers in Immunology*, **2018**, 9, 699	8.4	11
119	Myosin II Synergizes with F-Actin to Promote DNGR-1-Dependent Cross-Presentation of Dead Cell-Associated Antigens. *Cell Reports*, **2018**, 24, 419-428	10.6	17
118	Molecular mechanism of influenza A NS1-mediated TRIM25 recognition and inhibition. *Nature Communications*, **2018**, 9, 1820	17.4	76
117	Eactinin accounts for the bioactivity of actin preparations in inducing STAT target genes in. *ELife*, **2018**, 7,	8.9	7
116	Direct reprogramming of fibroblasts into antigen-presenting dendritic cells. *Science Immunology*, **2018**, 3,	28	41
115	The Role of Type 1 Conventional Dendritic Cells in Cancer Immunity. *Trends in Cancer*, **2018**, 4, 784-792	12.5	169
114	Sensing infection and tissue damage. *EMBO Molecular Medicine*, **2017**, 9, 285-288	12	8
113	Dendritic Cell Lineage Potential in Human Early Hematopoietic Progenitors. *Cell Reports*, **2017**, 20, 529-537	8.6	45
112	Alive but Confused: Heterogeneity of CD11c(+) MHC Class II(+) Cells in GM-CSF Mouse Bone Marrow Cultures. *Immunity*, **2016**, 44, 3-4	32.3	19
111	Actin is an evolutionarily-conserved damage-associated molecular pattern that signals tissue injury in. *ELife*, **2016**, 5,	8.9	34
110	Dendritic cells in remodeling of lymph nodes during immune responses. *Immunological Reviews*, **2016**, 271, 221-9	11.3	27
109	Inactivation of the type I interferon pathway reveals long double-stranded RNA-mediated RNA interference in mammalian cells. *EMBO Journal*, **2016**, 35, 2505-2518	13	68
108	A pH- and ionic strength-dependent conformational change in the neck region regulates DNGR-1 function in dendritic cells. *EMBO Journal*, **2016**, 35, 2484-2497	13	22
107	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		3
106	Reducing prostaglandin E2 production to raise cancer immunogenicity. *OncoImmunology*, **2016**, 5, e1123370	7.2	11
105	Antibodies targeting Clec9A promote strong humoral immunity without adjuvant in mice and non-human primates. *European Journal of Immunology*, **2015**, 45, 854-64	6.1	60
104	Altered lymph node composition in diphtheria toxin receptor-based mouse models to ablate dendritic cells. *Journal of Immunology*, **2015**, 194, 307-15	5.3	14
103	GM-CSF Mouse Bone Marrow Cultures Comprise a Heterogeneous Population of CD11c(+)MHCII(+) Macrophages and Dendritic Cells. *Immunity*, **2015**, 42, 1197-211	32.3	479

102	RIPK1 and NF-ΒB signaling in dying cells determines cross-priming of CD8+ T cells. *Science*, **2015**, 350, 328-34	33.3	298
101	Drosha cuts the tethers of myelopoiesis. *Nature Immunology*, **2015**, 16, 1110-2	19.1	1
100	Oncogenic Transformation of Dendritic Cells and Their Precursors Leads to Rapid Cancer Development in Mice. *Journal of Immunology*, **2015**, 195, 5066-76	5.3	3
99	Cyclooxygenase-Dependent Tumor Growth through Evasion of Immunity. *Cell*, **2015**, 162, 1257-70	56.2	602
98	Defining dendritic cells. *Current Opinion in Immunology*, **2015**, 32, 13-20	7.8	125
97	Mouse superkiller-2-like helicase DDX60 is dispensable for type I IFN induction and immunity to multiple viruses. *European Journal of Immunology*, **2015**, 45, 3386-403	6.1	23
96	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	32.3	45
95	The Processed Amino-Terminal Fragment of Human TLR7 Acts as a Chaperone To Direct Human TLR7 into Endosomes. *Journal of Immunology*, **2015**, 194, 5417-25	5.3	14
94	Intestinal intraepithelial lymphocyte activation promotes innate antiviral resistance. *Nature Communications*, **2015**, 6, 7090	17.4	44
93	Host response. Inflammation-induced disruption of SCS macrophages impairs B cell responses to secondary infection. *Science*, **2015**, 347, 667-72	33.3	87
92	Dendritic cells control fibroblastic reticular network tension and lymph node expansion. *Nature*, **2014**, 514, 498-502	50.4	185
91	Antiviral immunity via RIG-I-mediated recognition of RNA bearing 5∀diphosphates. *Nature*, **2014**, 514, 372-375	50.4	359
90	IL-17 regulates systemic fungal immunity by controlling the functional competence of NK cells. *Immunity*, **2014**, 40, 117-27	32.3	135
89	Syk signaling in dendritic cells orchestrates innate resistance to systemic fungal infection. *PLoS Pathogens*, **2014**, 10, e1004276	7.6	61
88	Identification of an LGP2-associated MDA5 agonist in picornavirus-infected cells. *ELife*, **2014**, 3, e01535	8.9	85
87	SAMHD1-dependent retroviral control and escape in mice. *EMBO Journal*, **2013**, 32, 2454-62	13	116
86	Genetic tracing via DNGR-1 expression history defines dendritic cells as a hematopoietic lineage. *Cell*, **2013**, 154, 843-58	56.2	208
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, 711-21	32.3	58

84	Sensing of cell death by myeloid C-type lectin receptors. *Current Opinion in Immunology*, **2013**, 25, 46-52	7.8	67
83	Advantages and limitations of mouse models to deplete dendritic cells. *European Journal of Immunology*, **2013**, 43, 22-6	6.1	43
82	Cytosolic sensing of viruses. *Immunity*, **2013**, 38, 855-69	32.3	543
81	Targeting the viral AchillesVheel: recognition of 5Vtriphosphate RNA in innate anti-viral defence. *Current Opinion in Microbiology*, **2013**, 16, 485-92	7.9	15
80	Adaptive immunity after cell death. *Trends in Immunology*, **2013**, 34, 329-35	14.4	87
79	CLEC-2 and Syk in the megakaryocytic/platelet lineage are essential for development. *Blood*, **2012**, 119, 1747-56	2.2	109
78	DNGR-1 is a specific and universal marker of mouse and human Batf3-dependent dendritic cells in lymphoid and nonlymphoid tissues. *Blood*, **2012**, 119, 6052-62	2.2	182
77	CD64 distinguishes macrophages from dendritic cells in the gut and reveals the Th1-inducing role of mesenteric lymph node macrophages during colitis. *European Journal of Immunology*, **2012**, 42, 3150-66	6.1	352
76	F-actin is an evolutionarily conserved damage-associated molecular pattern recognized by DNGR-1, a receptor for dead cells. *Immunity*, **2012**, 36, 635-45	32.3	282
75	The DC receptor DNGR-1 mediates cross-priming of CTLs during vaccinia virus infection in mice. *Journal of Clinical Investigation*, **2012**, 122, 1628-43	15.9	118
74	Signaling by myeloid C-type lectin receptors in immunity and homeostasis. *Annual Review of Immunology*, **2012**, 30, 491-529	34.7	361
73	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, 1615-27	15.9	182
72	2011 ESCI Award for Excellence in Basic / Translational Research: innate regulation of adaptive immunity by dendritic cells. *European Journal of Clinical Investigation*, **2011**, 41, 907-16	4.6	2
71	Hoxb8 conditionally immortalised macrophage lines model inflammatory monocytic cells with important similarity to dendritic cells. *European Journal of Immunology*, **2011**, 41, 356-65	6.1	22
70	CLEC-2 signaling via Syk in myeloid cells can regulate inflammatory responses. *European Journal of Immunology*, **2011**, 41, 3040-53	6.1	71
69	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, 527-40	32.3	276
68	Myeloid C-type lectin receptors in pathogen recognition and host defense. *Immunity*, **2011**, 34, 651-64	32.3	287
67	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, 17414-9	11.5	66

66	Characterization of human DNGR-1+ BDCA3+ leukocytes as putative equivalents of mouse CD8alpha+ dendritic cells. *Journal of Experimental Medicine*, **2010**, 207, 1261-71	16.6	545
65	RIGorous detection: exposing virus through RNA sensing. *Science*, **2010**, 327, 284-6	33.3	129
64	RIG-I detects viral genomic RNA during negative-strand RNA virus infection. *Cell*, **2010**, 140, 397-408	56.2	429
63	Protein kinase R contributes to immunity against specific viruses by regulating interferon mRNA integrity. *Cell Host and Microbe*, **2010**, 7, 354-61	23.4	118
62	Efficient and versatile manipulation of the peripheral CD4+ T-cell compartment by antigen targeting to DNGR-1/CLEC9A. *European Journal of Immunology*, **2010**, 40, 1255-65	6.1	108
61	CLEC-2 is a phagocytic activation receptor expressed on murine peripheral blood neutrophils. *Journal of Immunology*, **2009**, 182, 4150-7	5.3	104
60	Activation of MDA5 requires higher-order RNA structures generated during virus infection. *Journal of Virology*, **2009**, 83, 10761-9	6.6	321
59	Dectin-2 is a Syk-coupled pattern recognition receptor crucial for Th17 responses to fungal infection. *Journal of Experimental Medicine*, **2009**, 206, 2037-51	16.6	357
58	Internalization of Dectin-1 terminates induction of inflammatory responses. *European Journal of Immunology*, **2009**, 39, 507-13	6.1	58
57	Identification of a dendritic cell receptor that couples sensing of necrosis to immunity. *Nature*, **2009**, 458, 899-903	50.4	526
56	Inflammatory signals in dendritic cell activation and the induction of adaptive immunity. *Immunological Reviews*, **2009**, 227, 234-47	11.3	422
55	Dectin-2 is a Syk-coupled pattern recognition receptor crucial for Th17 responses to fungal infection. *Journal of Cell Biology*, **2009**, 186, i9-i9	7.3	
54	Caetano Reis e Sousa: harnessing DC power. Interview by Hema Bashyam. *Journal of Experimental Medicine*, **2008**, 205, 1946-7	16.6	
53	Stimulation of dendritic cells via the dectin-1/Syk pathway allows priming of cytotoxic T-cell responses. *Blood*, **2008**, 112, 4971-80	2.2	146
52	Dendritic cell expression of the Notch ligand jagged2 is not essential for Th2 response induction in vivo. *European Journal of Immunology*, **2008**, 38, 1043-9	6.1	47
51	DC activated via dectin-1 convert Treg into IL-17 producers. *European Journal of Immunology*, **2008**, 38, 3274-81	6.1	224
50	Tumor therapy in mice via antigen targeting to a novel, DC-restricted C-type lectin. *Journal of Clinical Investigation*, **2008**, 118, 2098-110	15.9	377
49	Syk-dependent ERK activation regulates IL-2 and IL-10 production by DC stimulated with zymosan. *European Journal of Immunology*, **2007**, 37, 1600-12	6.1	150

48	Syk- and CARD9-dependent coupling of innate immunity to the induction of T helper cells that produce interleukin 17. *Nature Immunology*, **2007**, 8, 630-8	19.1	924
47	Dendritic cell quiescence during systemic inflammation driven by LPS stimulation of radioresistant cells in vivo. *Journal of Experimental Medicine*, **2007**, 204, 1487-501	16.6	52
46	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, 539-47	6.6	80
45	Immunology. Eating in to avoid infection. *Science*, **2007**, 315, 1376-7	33.3	14
44	Innate recognition of viruses. *Immunity*, **2007**, 27, 370-83	32.3	542
43	Nucleic acid agonists for Toll-like receptor 7 are defined by the presence of uridine ribonucleotides. *European Journal of Immunology*, **2006**, 36, 3256-67	6.1	219
42	RIG-I-mediated antiviral responses to single-stranded RNA bearing 5∀phosphates. *Science*, **2006**, 314, 997-1001	33.3	1716
41	Myeloid C-type lectins in innate immunity. *Nature Immunology*, **2006**, 7, 1258-65	19.1	418
40	Dendritic cells in a mature age. *Nature Reviews Immunology*, **2006**, 6, 476-83	36.5	862
39	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. *Nature*, **2006**, 441, 101-5	50.4	2807
38	Syk-dependent cytokine induction by Dectin-1 reveals a novel pattern recognition pathway for C type lectins. *Immunity*, **2005**, 22, 507-17	32.3	731
37	Inflammatory mediators are insufficient for full dendritic cell activation and promote expansion of CD4+ T cell populations lacking helper function. *Nature Immunology*, **2005**, 6, 163-70	19.1	496
36	Toll-like receptor 3 promotes cross-priming to virus-infected cells. *Nature*, **2005**, 433, 887-92	50.4	715
35	MHC class II expression is differentially regulated in plasmacytoid and conventional dendritic cells. *Nature Immunology*, **2004**, 5, 899-908	19.1	110
34	Activation of dendritic cells: translating innate into adaptive immunity. *Current Opinion in Immunology*, **2004**, 16, 21-5	7.8	282
33	Innate antiviral responses by means of TLR7-mediated recognition of single-stranded RNA. *Science*, **2004**, 303, 1529-31	33.3	2629
32	Toll-like receptors and dendritic cells: for whom the bug tolls. *Seminars in Immunology*, **2004**, 16, 27-34	10.7	273
31	Dendritic cells: immunobiology and cancer immunotherapy. *Immunity*, **2004**, 20, 17-23	32.3	126

30	Dectin-1 uses novel mechanisms for yeast phagocytosis in macrophages. *Blood*, **2004**, 104, 4038-45	2.2	359
29	Newly activated T cells promote maturation of bystander dendritic cells but not IL-12 production. *Journal of Immunology*, **2003**, 171, 6406-13	5.3	44
28	Essential role for ICSBP in the in vivo development of murine CD8alpha + dendritic cells. *Blood*, **2003**, 101, 305-10	2.2	263
27	ICSBP/IRF-8 retrovirus transduction rescues dendritic cell development in vitro. *Blood*, **2003**, 101, 961-9	2.2	94
26	The ability of murine dendritic cell subsets to direct T helper cell differentiation is dependent on microbial signals. *European Journal of Immunology*, **2003**, 33, 101-7	6.1	100
25	Toll-like receptor expression in murine DC subsets: lack of TLR7 expression by CD8 alpha+ DC correlates with unresponsiveness to imidazoquinolines. *European Journal of Immunology*, **2003**, 33, 827-33	6.1	460
24	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. *Nature*, **2003**, 424, 324-8	50.4	501
23	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. *Nature Immunology*, **2003**, 4, 485-90	19.1	199
22	Relationships among murine CD11c(high) dendritic cell subsets as revealed by baseline gene expression patterns. *Journal of Immunology*, **2003**, 171, 47-60	5.3	109
21	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, 3161-70	6.1	34
20	Cross-presentation of cell-associated antigens by CD8alpha+ dendritic cells is attributable to their ability to internalize dead cells. *Immunology*, **2002**, 107, 183-9	7.8	162
19	CD36 or alphavbeta3 and alphavbeta5 integrins are not essential for MHC class I cross-presentation of cell-associated antigen by CD8 alpha+ murine dendritic cells. *Journal of Immunology*, **2002**, 168, 6057-65	5.3	55
18	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, 3652-60	5.3	191
17	Mature T cell seeks antigen for meaningful relationship in lymph node. *Immunology*, **2001**, 102, 381-6	7.8	16
16	IL-12 induction by a TH1-inducing adjuvant in vivo: dendritic cell subsets and regulation by IL-10. *Journal of Immunology*, **2001**, 167, 1423-30	5.3	94
15	Conditioning of dendritic cells by pathogen-derived stimuli. *Immunobiology*, **2001**, 204, 595-7	3.4	6
14	Dendritic cells as sensors of infection. *Immunity*, **2001**, 14, 495-8	32.3	271
13	CCR5 provides a signal for microbial induced production of IL-12 by CD8 alpha+ dendritic cells. *Nature Immunology*, **2000**, 1, 83-7	19.1	300

12	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, 927-36	16.6	328
11	Microbial and T cell-derived stimuli regulate antigen presentation by dendritic cells in vivo. *Journal of Immunology*, **2000**, 165, 5027-34	5.3	70
10	CD40 triggering of heterodimeric IL-12 p70 production by dendritic cells in vivo requires a microbial priming signal. *Immunity*, **2000**, 13, 453-62	32.3	461
9	The role of dendritic cells in the induction and regulation of immunity to microbial infection. *Current Opinion in Immunology*, **1999**, 11, 392-9	7.8	243
8	Paralysis of dendritic cell IL-12 production by microbial products prevents infection-induced immunopathology. *Immunity*, **1999**, 11, 637-47	32.3	163
7	Differential TCR signaling regulates apoptosis and immunopathology during antigen responses in vivo. *Immunity*, **1998**, 9, 305-13	32.3	53
6	Selective induction of apoptosis in mature T lymphocytes by variant T cell receptor ligands. *Journal of Experimental Medicine*, **1998**, 187, 349-55	16.6	59
5	The role of dendritic cells in the initiation of host resistance to Toxoplasma gondii. *Advances in Experimental Medicine and Biology*, **1998**, 452, 103-10	3.6	11
4	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, 1819-29	16.6	772
3	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, 673-82	16.6	115
2	Processing and presentation of endocytically acquired protein antigens by MHC class II and class I molecules. *Immunological Reviews*, **1996**, 151, 5-30	11.3	88
1	Phagocytosis of antigens by Langerhans cells. *Advances in Experimental Medicine and Biology*, **1993**, 329, 199-204	3.6	8