

Caetano Reis e Sousa

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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	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. <i>Nature</i> , 2006 , 441, 101-5	50.4	2807
136	Innate antiviral responses by means of TLR7-mediated recognition of single-stranded RNA. <i>Science</i> , 2004 , 303, 1529-31	33.3	2629
135	RIG-I-mediated antiviral responses to single-stranded RNA bearing 5'phosphates. <i>Science</i> , 2006 , 314, 997-1001	33.3	1716
134	Syk- and CARD9-dependent coupling of innate immunity to the induction of T helper cells that produce interleukin 17. <i>Nature Immunology</i> , 2007 , 8, 630-8	19.1	924
133	Dendritic cells in a mature age. <i>Nature Reviews Immunology</i> , 2006 , 6, 476-83	36.5	862
132	In vivo microbial stimulation induces rapid CD40 ligand-independent production of interleukin 12 by dendritic cells and their redistribution to T cell areas. <i>Journal of Experimental Medicine</i> , 1997 , 186, 1819-29	16.6	772
131	Syk-dependent cytokine induction by Dectin-1 reveals a novel pattern recognition pathway for C type lectins. <i>Immunity</i> , 2005 , 22, 507-17	32.3	731
130	Toll-like receptor 3 promotes cross-priming to virus-infected cells. <i>Nature</i> , 2005 , 433, 887-92	50.4	715
129	NK Cells Stimulate Recruitment of cDC1 into the Tumor Microenvironment Promoting Cancer Immune Control. <i>Cell</i> , 2018 , 172, 1022-1037.e14	56.2	674
128	Cyclooxygenase-Dependent Tumor Growth through Evasion of Immunity. <i>Cell</i> , 2015 , 162, 1257-70	56.2	602
127	Characterization of human DNGR-1+ BDCA3+ leukocytes as putative equivalents of mouse CD8alpha+ dendritic cells. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1261-71	16.6	545
126	Cytosolic sensing of viruses. <i>Immunity</i> , 2013 , 38, 855-69	32.3	543
125	Innate recognition of viruses. <i>Immunity</i> , 2007 , 27, 370-83	32.3	542
124	Identification of a dendritic cell receptor that couples sensing of necrosis to immunity. <i>Nature</i> , 2009 , 458, 899-903	50.4	526
123	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. <i>Nature</i> , 2003 , 424, 324-8	50.4	501
122	Inflammatory mediators are insufficient for full dendritic cell activation and promote expansion of CD4+ T cell populations lacking helper function. <i>Nature Immunology</i> , 2005 , 6, 163-70	19.1	496
121	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019 , 49, 1457-1973	6.1	485

120	GM-CSF Mouse Bone Marrow Cultures Comprise a Heterogeneous Population of CD11c(+)MHCII(+) Macrophages and Dendritic Cells. <i>Immunity</i> , 2015 , 42, 1197-211	32.3	479
119	CD40 triggering of heterodimeric IL-12 p70 production by dendritic cells in vivo requires a microbial priming signal. <i>Immunity</i> , 2000 , 13, 453-62	32.3	461
118	Toll-like receptor expression in murine DC subsets: lack of TLR7 expression by CD8 alpha+ DC correlates with unresponsiveness to imidazoquinolines. <i>European Journal of Immunology</i> , 2003 , 33, 827-33	6.1	460
117	RIG-I detects viral genomic RNA during negative-strand RNA virus infection. <i>Cell</i> , 2010 , 140, 397-408	56.2	429
116	Inflammatory signals in dendritic cell activation and the induction of adaptive immunity. <i>Immunological Reviews</i> , 2009 , 227, 234-47	11.3	422
115	Myeloid C-type lectins in innate immunity. <i>Nature Immunology</i> , 2006 , 7, 1258-65	19.1	418
114	Tumor therapy in mice via antigen targeting to a novel, DC-restricted C-type lectin. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2098-110	15.9	377
113	Signaling by myeloid C-type lectin receptors in immunity and homeostasis. <i>Annual Review of Immunology</i> , 2012 , 30, 491-529	34.7	361
112	Antiviral immunity via RIG-I-mediated recognition of RNA bearing 5Vdiphosphates. <i>Nature</i> , 2014 , 514, 372-375	50.4	359
111	Dectin-1 uses novel mechanisms for yeast phagocytosis in macrophages. <i>Blood</i> , 2004 , 104, 4038-45	2.2	359
110	Dectin-2 is a Syk-coupled pattern recognition receptor crucial for Th17 responses to fungal infection. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2037-51	16.6	357
109	CD64 distinguishes macrophages from dendritic cells in the gut and reveals the Th1-inducing role of mesenteric lymph node macrophages during colitis. <i>European Journal of Immunology</i> , 2012 , 42, 3150-66	6.1	352
108	The formation of immunogenic major histocompatibility complex class II-peptide ligands in lysosomal compartments of dendritic cells is regulated by inflammatory stimuli. <i>Journal of Experimental Medicine</i> , 2000 , 191, 927-36	16.6	328
107	Activation of MDA5 requires higher-order RNA structures generated during virus infection. <i>Journal of Virology</i> , 2009 , 83, 10761-9	6.6	321
106	CCR5 provides a signal for microbial induced production of IL-12 by CD8 alpha+ dendritic cells. <i>Nature Immunology</i> , 2000 , 1, 83-7	19.1	300
105	RIPK1 and NF-B signaling in dying cells determines cross-priming of CD8+ T cells. <i>Science</i> , 2015 , 350, 328-34	33.3	298
104	Myeloid C-type lectin receptors in pathogen recognition and host defense. <i>Immunity</i> , 2011 , 34, 651-64	32.3	287
103	F-actin is an evolutionarily conserved damage-associated molecular pattern recognized by DNGR-1, a receptor for dead cells. <i>Immunity</i> , 2012 , 36, 635-45	32.3	282

102	Activation of dendritic cells: translating innate into adaptive immunity. <i>Current Opinion in Immunology</i> , 2004 , 16, 21-5	7.8	282
101	An unexpected role for uric acid as an inducer of T helper 2 cell immunity to inhaled antigens and inflammatory mediator of allergic asthma. <i>Immunity</i> , 2011 , 34, 527-40	32.3	276
100	Toll-like receptors and dendritic cells: for whom the bug tolls. <i>Seminars in Immunology</i> , 2004 , 16, 27-34	10.7	273
99	Dendritic cells as sensors of infection. <i>Immunity</i> , 2001 , 14, 495-8	32.3	271
98	Essential role for ICSBP in the in vivo development of murine CD8alpha + dendritic cells. <i>Blood</i> , 2003 , 101, 305-10	2.2	263
97	The role of dendritic cells in the induction and regulation of immunity to microbial infection. <i>Current Opinion in Immunology</i> , 1999 , 11, 392-9	7.8	243
96	DC activated via dectin-1 convert Treg into IL-17 producers. <i>European Journal of Immunology</i> , 2008 , 38, 3274-81	6.1	224
95	Nucleic acid agonists for Toll-like receptor 7 are defined by the presence of uridine ribonucleotides. <i>European Journal of Immunology</i> , 2006 , 36, 3256-67	6.1	219
94	Genetic tracing via DNGR-1 expression history defines dendritic cells as a hematopoietic lineage. <i>Cell</i> , 2013 , 154, 843-58	56.2	208
93	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. <i>Nature Immunology</i> , 2003 , 4, 485-90	19.1	199
92	Microbial recognition via Toll-like receptor-dependent and -independent pathways determines the cytokine response of murine dendritic cell subsets to CD40 triggering. <i>Journal of Immunology</i> , 2002 , 169, 3652-60	5.3	191
91	Dendritic cells control fibroblastic reticular network tension and lymph node expansion. <i>Nature</i> , 2014 , 514, 498-502	50.4	185
90	DNGR-1 is a specific and universal marker of mouse and human Batf3-dependent dendritic cells in lymphoid and nonlymphoid tissues. <i>Blood</i> , 2012 , 119, 6052-62	2.2	182
89	The dendritic cell receptor DNGR-1 controls endocytic handling of necrotic cell antigens to favor cross-priming of CTLs in virus-infected mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1615-27	15.9	182
88	The Role of Type 1 Conventional Dendritic Cells in Cancer Immunity. <i>Trends in Cancer</i> , 2018 , 4, 784-792	12.5	169
87	Paralysis of dendritic cell IL-12 production by microbial products prevents infection-induced immunopathology. <i>Immunity</i> , 1999 , 11, 637-47	32.3	163
86	Cross-presentation of cell-associated antigens by CD8alpha+ dendritic cells is attributable to their ability to internalize dead cells. <i>Immunology</i> , 2002 , 107, 183-9	7.8	162
85	Syk-dependent ERK activation regulates IL-2 and IL-10 production by DC stimulated with zymosan. <i>European Journal of Immunology</i> , 2007 , 37, 1600-12	6.1	150

84	Stimulation of dendritic cells via the dectin-1/Syk pathway allows priming of cytotoxic T-cell responses. <i>Blood</i> , 2008 , 112, 4971-80	2.2	146
83	IL-17 regulates systemic fungal immunity by controlling the functional competence of NK cells. <i>Immunity</i> , 2014 , 40, 117-27	32.3	135
82	RIGorous detection: exposing virus through RNA sensing. <i>Science</i> , 2010 , 327, 284-6	33.3	129
81	Dendritic cells: immunobiology and cancer immunotherapy. <i>Immunity</i> , 2004 , 20, 17-23	32.3	126
80	Defining dendritic cells. <i>Current Opinion in Immunology</i> , 2015 , 32, 13-20	7.8	125
79	The DC receptor DNGR-1 mediates cross-priming of CTLs during vaccinia virus infection in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1628-43	15.9	118
78	Protein kinase R contributes to immunity against specific viruses by regulating interferon mRNA integrity. <i>Cell Host and Microbe</i> , 2010 , 7, 354-61	23.4	118
77	SAMHD1-dependent retroviral control and escape in mice. <i>EMBO Journal</i> , 2013 , 32, 2454-62	13	116
76	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. <i>Journal of Experimental Medicine</i> , 1997 , 186, 673-82	16.6	115
75	MHC class II expression is differentially regulated in plasmacytoid and conventional dendritic cells. <i>Nature Immunology</i> , 2004 , 5, 899-908	19.1	110
74	CLEC-2 and Syk in the megakaryocytic/platelet lineage are essential for development. <i>Blood</i> , 2012 , 119, 1747-56	2.2	109
73	Relationships among murine CD11c(high) dendritic cell subsets as revealed by baseline gene expression patterns. <i>Journal of Immunology</i> , 2003 , 171, 47-60	5.3	109
72	Efficient and versatile manipulation of the peripheral CD4+ T-cell compartment by antigen targeting to DNGR-1/CLEC9A. <i>European Journal of Immunology</i> , 2010 , 40, 1255-65	6.1	108
71	CLEC-2 is a phagocytic activation receptor expressed on murine peripheral blood neutrophils. <i>Journal of Immunology</i> , 2009 , 182, 4150-7	5.3	104
70	The ability of murine dendritic cell subsets to direct T helper cell differentiation is dependent on microbial signals. <i>European Journal of Immunology</i> , 2003 , 33, 101-7	6.1	100
69	ICSBP/IRF-8 retrovirus transduction rescues dendritic cell development in vitro. <i>Blood</i> , 2003 , 101, 961-9	2.2	94
68	IL-12 induction by a TH1-inducing adjuvant in vivo: dendritic cell subsets and regulation by IL-10. <i>Journal of Immunology</i> , 2001 , 167, 1423-30	5.3	94
67	Processing and presentation of endocytically acquired protein antigens by MHC class II and class I molecules. <i>Immunological Reviews</i> , 1996 , 151, 5-30	11.3	88

66	Host response. Inflammation-induced disruption of SCS macrophages impairs B cell responses to secondary infection. <i>Science</i> , 2015 , 347, 667-72	33.3	87
65	Adaptive immunity after cell death. <i>Trends in Immunology</i> , 2013 , 34, 329-35	14.4	87
64	Identification of an LGP2-associated MDA5 agonist in picornavirus-infected cells. <i>ELife</i> , 2014 , 3, e01535	8.9	85
63	Tubulovesicular structures within vesicular stomatitis virus G protein-pseudotyped lentiviral vector preparations carry DNA and stimulate antiviral responses via Toll-like receptor 9. <i>Journal of Virology</i> , 2007 , 81, 539-47	6.6	80
62	Dendritic Cells Revisited. <i>Annual Review of Immunology</i> , 2021 , 39, 131-166	34.7	78
61	Molecular mechanism of influenza A NS1-mediated TRIM25 recognition and inhibition. <i>Nature Communications</i> , 2018 , 9, 1820	17.4	76
60	CLEC-2 signaling via Syk in myeloid cells can regulate inflammatory responses. <i>European Journal of Immunology</i> , 2011 , 41, 3040-53	6.1	71
59	Microbial and T cell-derived stimuli regulate antigen presentation by dendritic cells in vivo. <i>Journal of Immunology</i> , 2000 , 165, 5027-34	5.3	70
58	Inactivation of the type I interferon pathway reveals long double-stranded RNA-mediated RNA interference in mammalian cells. <i>EMBO Journal</i> , 2016 , 35, 2505-2518	13	68
57	Sensing of cell death by myeloid C-type lectin receptors. <i>Current Opinion in Immunology</i> , 2013 , 25, 46-52	7.8	67
56	Direct activation of antigen-presenting cells is required for CD8+ T-cell priming and tumor vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 17414-9	11.5	66
55	Syk signaling in dendritic cells orchestrates innate resistance to systemic fungal infection. <i>PLoS Pathogens</i> , 2014 , 10, e1004276	7.6	61
54	Antibodies targeting Clec9A promote strong humoral immunity without adjuvant in mice and non-human primates. <i>European Journal of Immunology</i> , 2015 , 45, 854-64	6.1	60
53	Selective induction of apoptosis in mature T lymphocytes by variant T cell receptor ligands. <i>Journal of Experimental Medicine</i> , 1998 , 187, 349-55	16.6	59
52	Processing of human toll-like receptor 7 by furin-like proprotein convertases is required for its accumulation and activity in endosomes. <i>Immunity</i> , 2013 , 39, 711-21	32.3	58
51	Internalization of Dectin-1 terminates induction of inflammatory responses. <i>European Journal of Immunology</i> , 2009 , 39, 507-13	6.1	58
50	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. <i>Journal of Immunology</i> , 2002 , 168, 6057-65	5.3	55
49	The RIG-I-like receptor LGP2 inhibits Dicer-dependent processing of long double-stranded RNA and blocks RNA interference in mammalian cells. <i>EMBO Journal</i> , 2018 , 37,	13	53

48	Differential TCR signaling regulates apoptosis and immunopathology during antigen responses in vivo. <i>Immunity</i> , 1998 , 9, 305-13	32.3	53
47	Dendritic cell quiescence during systemic inflammation driven by LPS stimulation of radioresistant cells in vivo. <i>Journal of Experimental Medicine</i> , 2007 , 204, 1487-501	16.6	52
46	Slicing and dicing viruses: antiviral RNA interference in mammals. <i>EMBO Journal</i> , 2019 , 38,	13	51
45	Dendritic cell expression of the Notch ligand jagged2 is not essential for Th2 response induction in vivo. <i>European Journal of Immunology</i> , 2008 , 38, 1043-9	6.1	47
44	Tissue clonality of dendritic cell subsets and emergency DCpoiesis revealed by multicolor fate mapping of DC progenitors. <i>Science Immunology</i> , 2019 , 4,	28	46
43	Dendritic Cell Lineage Potential in Human Early Hematopoietic Progenitors. <i>Cell Reports</i> , 2017 , 20, 529-537	6.6	45
42	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. <i>Immunity</i> , 2015 , 42, 839-849	32.3	45
41	Intestinal intraepithelial lymphocyte activation promotes innate antiviral resistance. <i>Nature Communications</i> , 2015 , 6, 7090	17.4	44
40	Newly activated T cells promote maturation of bystander dendritic cells but not IL-12 production. <i>Journal of Immunology</i> , 2003 , 171, 6406-13	5.3	44
39	Advantages and limitations of mouse models to deplete dendritic cells. <i>European Journal of Immunology</i> , 2013 , 43, 22-6	6.1	43
38	Direct reprogramming of fibroblasts into antigen-presenting dendritic cells. <i>Science Immunology</i> , 2018 , 3,	28	41
37	Self peptide/MHC class I complexes have a negligible effect on the response of some CD8+ T cells to foreign antigen. <i>European Journal of Immunology</i> , 2002 , 32, 3161-70	6.1	34
36	Actin is an evolutionarily-conserved damage-associated molecular pattern that signals tissue injury in. <i>ELife</i> , 2016 , 5,	8.9	34
35	The receptor DNGR-1 signals for phagosomal rupture to promote cross-presentation of dead-cell-associated antigens. <i>Nature Immunology</i> , 2021 , 22, 140-153	19.1	28
34	Dendritic cells in remodeling of lymph nodes during immune responses. <i>Immunological Reviews</i> , 2016 , 271, 221-9	11.3	27
33	An isoform of Dicer protects mammalian stem cells against multiple RNA viruses. <i>Science</i> , 2021 , 373, 231-236	33.3	26
32	Mouse superkiller-2-like helicase DDX60 is dispensable for type I IFN induction and immunity to multiple viruses. <i>European Journal of Immunology</i> , 2015 , 45, 3386-403	6.1	23
31	Hoxb8 conditionally immortalised macrophage lines model inflammatory monocytic cells with important similarity to dendritic cells. <i>European Journal of Immunology</i> , 2011 , 41, 356-65	6.1	22

30	A pH- and ionic strength-dependent conformational change in the neck region regulates DNGR-1 function in dendritic cells. <i>EMBO Journal</i> , 2016 , 35, 2484-2497	13	22
29	Alive but Confused: Heterogeneity of CD11c(+) MHC Class II(+) Cells in GM-CSF Mouse Bone Marrow Cultures. <i>Immunity</i> , 2016 , 44, 3-4	32.3	19
28	Myosin II Synergizes with F-Actin to Promote DNGR-1-Dependent Cross-Presentation of Dead Cell-Associated Antigens. <i>Cell Reports</i> , 2018 , 24, 419-428	10.6	17
27	Mature T cell seeks antigen for meaningful relationship in lymph node. <i>Immunology</i> , 2001 , 102, 381-6	7.8	16
26	Targeting the viral Achilles heel: recognition of 5'triphosphate RNA in innate anti-viral defence. <i>Current Opinion in Microbiology</i> , 2013 , 16, 485-92	7.9	15
25	Altered lymph node composition in diphtheria toxin receptor-based mouse models to ablate dendritic cells. <i>Journal of Immunology</i> , 2015 , 194, 307-15	5.3	14
24	The Processed Amino-Terminal Fragment of Human TLR7 Acts as a Chaperone To Direct Human TLR7 into Endosomes. <i>Journal of Immunology</i> , 2015 , 194, 5417-25	5.3	14
23	Immunology. Eating in to avoid infection. <i>Science</i> , 2007 , 315, 1376-7	33.3	14
22	Mediated Ablation of Conventional Dendritic Cells Suggests a Lymphoid Path to Generating Dendritic Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 699	8.4	11
21	Reducing prostaglandin E2 production to raise cancer immunogenicity. <i>Oncot Immunology</i> , 2016 , 5, e1123370	3.70	11
20	The role of dendritic cells in the initiation of host resistance to <i>Toxoplasma gondii</i> . <i>Advances in Experimental Medicine and Biology</i> , 1998 , 452, 103-10	3.6	11
19	Secreted gelsolin inhibits DNGR-1-dependent cross-presentation and cancer immunity. <i>Cell</i> , 2021 , 184, 4016-4031.e22	56.2	10
18	Sensing infection and tissue damage. <i>EMBO Molecular Medicine</i> , 2017 , 9, 285-288	12	8
17	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. <i>Wellcome Open Research</i> , 2021 , 6, 9	4.8	8
16	Phagocytosis of antigens by Langerhans cells. <i>Advances in Experimental Medicine and Biology</i> , 1993 , 329, 199-204	3.6	8
15	β-actinin accounts for the bioactivity of actin preparations in inducing STAT target genes in. <i>ELife</i> , 2018 , 7,	8.9	7
14	SARS-CoV-2 detection by a clinical diagnostic RT-LAMP assay. <i>Wellcome Open Research</i> , 2021 , 6, 9	4.8	7
13	Conditioning of dendritic cells by pathogen-derived stimuli. <i>Immunobiology</i> , 2001 , 204, 595-7	3.4	6

12	Epithelial colonization by gut dendritic cells promotes their functional diversification.. <i>Immunity</i> , 2021 ,	32.3	5
11	Cross-presentation of dead-cell-associated antigens by DNGR-1 dendritic cells contributes to chronic allograft rejection in mice. <i>European Journal of Immunology</i> , 2020 , 50, 2041-2054	6.1	5
10	Oncogenic Transformation of Dendritic Cells and Their Precursors Leads to Rapid Cancer Development in Mice. <i>Journal of Immunology</i> , 2015 , 195, 5066-76	5.3	3
9	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
8	2011 ESCI Award for Excellence in Basic / Translational Research: innate regulation of adaptive immunity by dendritic cells. <i>European Journal of Clinical Investigation</i> , 2011 , 41, 907-16	4.6	2
7	Drosha cuts the tethers of myelopoiesis. <i>Nature Immunology</i> , 2015 , 16, 1110-2	19.1	1
6	Recruitment of dendritic cell progenitors to foci of influenza A virus infection sustains immunity. <i>Science Immunology</i> , 2021 , 6, eabi9331	28	1
5	RNA sensing via the RIG-I-like receptor LGP2 is essential for the induction of a type I IFN response in ADAR1 deficiency.. <i>EMBO Journal</i> , 2022 , e109760	13	1
4	Cytoskeletal Exposure in the Regulation of Immunity and Initiation of Tissue Repair. <i>BioEssays</i> , 2019 , 41, e1900021	4.1	0
3	Maintenance and loss of endocytic organelle integrity: mechanisms and implications for antigen cross-presentation. <i>Open Biology</i> , 2021 , 11, 210194	7	0
2	Caetano Reis e Sousa: harnessing DC power. Interview by Hema Bashyam. <i>Journal of Experimental Medicine</i> , 2008 , 205, 1946-7	16.6	
1	Dectin-2 is a Syk-coupled pattern recognition receptor crucial for Th17 responses to fungal infection. <i>Journal of Cell Biology</i> , 2009 , 186, i9-i9	7.3	