

Francesca Granucci

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124
papers

9,268
citations

45
h-index

95
g-index

135
ext. papers

10,259
ext. citations

9.1
avg. IF

5.85
L-index

#	Paper	IF	Citations
124	Dendritic cells express tight junction proteins and penetrate gut epithelial monolayers to sample bacteria. <i>Nature Immunology</i> , 2001 , 2, 361-7	19.1	1990
123	Maturation stages of mouse dendritic cells in growth factor-dependent long-term cultures. <i>Journal of Experimental Medicine</i> , 1997 , 185, 317-28	16.6	717
122	CD14 controls the LPS-induced endocytosis of Toll-like receptor 4. <i>Cell</i> , 2011 , 147, 868-80	56.2	598
121	Molecular mimicry by herpes simplex virus-type 1: autoimmune disease after viral infection. <i>Science</i> , 1998 , 279, 1344-7	33.3	435
120	Inducible IL-2 production by dendritic cells revealed by global gene expression analysis. <i>Nature Immunology</i> , 2001 , 2, 882-8	19.1	396
119	CD14 regulates the dendritic cell life cycle after LPS exposure through NFAT activation. <i>Nature</i> , 2009 , 460, 264-8	50.4	232
118	Infection of dendritic cells by murine cytomegalovirus induces functional paralysis. <i>Nature Immunology</i> , 2001 , 2, 1077-84	19.1	220
117	Type III interferons disrupt the lung epithelial barrier upon viral recognition. <i>Science</i> , 2020 , 369, 706-712	33.3	189
116	A contribution of mouse dendritic cell-derived IL-2 for NK cell activation. <i>Journal of Experimental Medicine</i> , 2004 , 200, 287-95	16.6	182
115	Coordinated events during bacteria-induced DC maturation. <i>Trends in Immunology</i> , 1999 , 20, 200-3		180
114	The European dimension for the mouse genome mutagenesis program. <i>Nature Genetics</i> , 2004 , 36, 925-7	36.3	176
113	Glial TLR4 receptor as new target to treat neuropathic pain: efficacy of a new receptor antagonist in a model of peripheral nerve injury in mice. <i>Glia</i> , 2008 , 56, 1312-9	9	158
112	Early IL-2 production by mouse dendritic cells is the result of microbial-induced priming. <i>Journal of Immunology</i> , 2003 , 170, 5075-81	5.3	142
111	Role of CD14 in host protection against infections and in metabolism regulation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013 , 3, 32	5.9	135
110	IFN- β suppresses intestinal inflammation by non-translational regulation of neutrophil function. <i>Nature Immunology</i> , 2017 , 18, 1084-1093	19.1	124
109	Transcriptional reprogramming of dendritic cells by differentiation stimuli. <i>European Journal of Immunology</i> , 2001 , 31, 2539-2546	6.1	119
108	Deciphering the complexity of Toll-like receptor signaling. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 4109-34	10.3	115

107	Analysis of the relationship between viral infection and autoimmune disease. <i>Immunity</i> , 2001 , 15, 137-47	32.3	103
106	Upon dendritic cell (DC) activation chemokines and chemokine receptor expression are rapidly regulated for recruitment and maintenance of DC at the inflammatory site. <i>International Immunology</i> , 1999 , 11, 979-86	4.9	102
105	Early events in dendritic cell maturation induced by LPS. <i>Microbes and Infection</i> , 1999 , 1, 1079-84	9.3	102
104	Microglia induce myelin basic protein-specific T cell anergy or T cell activation, according to their state of activation. <i>European Journal of Immunology</i> , 1999 , 29, 3063-76	6.1	100
103	Opinion: Interpretation of the complexity of innate immune responses by functional genomics. <i>Nature Reviews Immunology</i> , 2002 , 2, 881-9	36.5	94
102	The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and microglia. <i>Blood</i> , 2003 , 102, 2940-7	2.2	89
101	A power law global error model for the identification of differentially expressed genes in microarray data. <i>BMC Bioinformatics</i> , 2004 , 5, 203	3.6	82
100	Granulocyte-macrophage colony-stimulating factor induces an expression program in neonatal microglia that primes them for antigen presentation. <i>Journal of Immunology</i> , 2002 , 169, 2264-73	5.3	82
99	Dendritic cell regulation of immune responses: a new role for interleukin 2 at the intersection of innate and adaptive immunity. <i>EMBO Journal</i> , 2003 , 22, 2546-51	13	81
98	Dendritic cell-derived IL-2 production is regulated by IL-15 in humans and in mice. <i>Blood</i> , 2005 , 105, 697-702	10.2	81
97	Central role of dendritic cells in the regulation and deregulation of immune responses. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 1683-97	10.3	68
96	Interferon (IFN)- γ Takes the Helm: Immunomodulatory Roles of Type III IFNs. <i>Frontiers in Immunology</i> , 2017 , 8, 1661	8.4	65
95	Migratory, and not lymphoid-resident, dendritic cells maintain peripheral self-tolerance and prevent autoimmunity via induction of iTreg cells. <i>Blood</i> , 2012 , 120, 1237-45	2.2	59
94	Dendritic cell biology. <i>Advances in Immunology</i> , 2005 , 88, 193-233	5.6	59
93	Type III interferons: Balancing tissue tolerance and resistance to pathogen invasion. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	59
92	TLR-dependent activation stimuli associated with Th1 responses confer NK cell stimulatory capacity to mouse dendritic cells. <i>Journal of Immunology</i> , 2005 , 175, 286-92	5.3	57
91	A type I IFN-dependent pathway induced by <i>Schistosoma mansoni</i> eggs in mouse myeloid dendritic cells generates an inflammatory signature. <i>Journal of Immunology</i> , 2004 , 172, 3011-7	5.3	56
90	Molecular events of bacterial-induced maturation of dendritic cells. <i>Journal of Clinical Immunology</i> , 2000 , 20, 161-6	5.7	55

89	Differential expression regulation of the alpha and beta subunits of the PA28 proteasome activator in mature dendritic cells. <i>Journal of Immunology</i> , 2005 , 174, 7815-22	5.3	54
88	IL-15 cis presentation is required for optimal NK cell activation in lipopolysaccharide-mediated inflammatory conditions. <i>Cell Reports</i> , 2013 , 4, 1235-49	10.6	53
87	Drug nanocarriers to treat autoimmunity and chronic inflammatory diseases. <i>Seminars in Immunology</i> , 2017 , 34, 61-67	10.7	48
86	Below the surface: The inner lives of TLR4 and TLR9. <i>Journal of Leukocyte Biology</i> , 2019 , 106, 147-160	6.5	47
85	Regulation of antigen uptake, migration, and lifespan of dendritic cell by Toll-like receptors. <i>Journal of Molecular Medicine</i> , 2010 , 88, 873-80	5.5	47
84	A central role for tissue-resident dendritic cells in innate responses. <i>Trends in Immunology</i> , 2004 , 25, 650-4	4.4	47
83	Differential activation of NF-kappa B subunits in dendritic cells in response to Gram-negative bacteria and to lipopolysaccharide. <i>Microbes and Infection</i> , 2001 , 3, 259-65	9.3	47
82	Regulation and dysregulation of innate immunity by NFAT signaling downstream of pattern recognition receptors (PRRs). <i>European Journal of Immunology</i> , 2012 , 42, 1924-31	6.1	46
81	Effects of dexamethazone on LPS-induced activation and migration of mouse dendritic cells revealed by a genome-wide transcriptional analysis. <i>European Journal of Immunology</i> , 2006 , 36, 1504-15	6.1	46
80	Interactions of bacterial pathogens with dendritic cells during invasion of mucosal surfaces. <i>Current Opinion in Microbiology</i> , 2003 , 6, 72-6	7.9	41
79	A critical role for lipophosphoglycan in proinflammatory responses of dendritic cells to <i>Leishmania mexicana</i> . <i>European Journal of Immunology</i> , 2005 , 35, 476-86	6.1	41
78	Modulation of cytokine expression in mouse dendritic cell clones. <i>European Journal of Immunology</i> , 1994 , 24, 2522-6	6.1	41
77	Modulation of CD14 and TLR4/MD-2 activities by a synthetic lipid A mimetic. <i>ChemBioChem</i> , 2014 , 15, 250-8	3.8	39
76	Vaccination with filamentous bacteriophages targeting DEC-205 induces DC maturation and potent anti-tumor T-cell responses in the absence of adjuvants. <i>European Journal of Immunology</i> , 2011 , 41, 2573-84	6.1	39
75	Microbe- and danger-induced inflammation. <i>Molecular Immunology</i> , 2015 , 63, 127-33	4.3	36
74	Uniform lipopolysaccharide (LPS)-loaded magnetic nanoparticles for the investigation of LPS-TLR4 signaling. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 622-6	16.4	36
73	Similarities and differences of innate immune responses elicited by smooth and rough LPS. <i>Immunology Letters</i> , 2012 , 142, 41-7	4.1	35
72	Gene expression profiles identify inflammatory signatures in dendritic cells. <i>PLoS ONE</i> , 2010 , 5, e9404	3.7	35

71	CD14 and NFAT mediate lipopolysaccharide-induced skin edema formation in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1747-57	15.9	33
70	Dendritic cells in pathogen recognition and induction of immune responses: a functional genomics approach. <i>Journal of Leukocyte Biology</i> , 2006 , 79, 913-6	6.5	32
69	A dairy bacterium displays in vitro probiotic properties for the pharyngeal mucosa by antagonizing group A streptococci and modulating the immune response. <i>Infection and Immunity</i> , 2010 , 78, 4734-43	3.7	30
68	Differences in lipopolysaccharide-induced signaling between conventional dendritic cells and macrophages. <i>Immunobiology</i> , 2010 , 215, 709-12	3.4	30
67	Increased frequency of activated CD8 T cell effectors in patients with psoriatic arthritis. <i>Scientific Reports</i> , 2019 , 9, 10870	4.9	29
66	Toll-like receptor 4 is not required for the full maturation of dendritic cells or for the degradation of Gram-negative bacteria. <i>European Journal of Immunology</i> , 2002 , 32, 2800-6	6.1	28
65	Toll-like receptor 4 modulation influences human neural stem cell proliferation and differentiation. <i>Cell Death and Disease</i> , 2018 , 9, 280	9.8	27
64	The dendritic cell life cycle. <i>Cell Cycle</i> , 2009 , 8, 3816-21	4.7	27
63	Induction of peripheral T cell tolerance by antigen-presenting B cells. II. Chronic antigen presentation overrides antigen-presenting B cell activation. <i>Journal of Immunology</i> , 2006 , 176, 4021-8	5.3	27
62	Murein lytic enzyme TgaA of Bifidobacterium bifidum MIMBb75 modulates dendritic cell maturation through its cysteine- and histidine-dependent amidohydrolase/peptidase (CHAP) amidase domain. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5170-7	4.8	26
61	Cloned microglial cells but not macrophages synthesize beta-endorphin in response to CRH activation. <i>Glia</i> , 1993 , 9, 305-10	9	26
60	The regulatory role of dendritic cells in the induction and maintenance of T-cell tolerance. <i>Autoimmunity</i> , 2011 , 44, 23-32	3	25
59	Inhibition of lipid A stimulated activation of human dendritic cells and macrophages by amino and hydroxylamino monosaccharides. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3308-12	16.4	25
58	Gene expression profiling in immune cells using microarray. <i>International Archives of Allergy and Immunology</i> , 2001 , 126, 257-66	3.7	24
57	Synthesis and biological evaluation of novel lipid A antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 190-9	3.4	23
56	Prolonged contact with dendritic cells turns lymph node-resident NK cells into anti-tumor effectors. <i>EMBO Molecular Medicine</i> , 2016 , 8, 1039-51	12	22
55	Rabbit monoclonal Fab derived from a phage display library. <i>Journal of Immunological Methods</i> , 1998 , 213, 201-12	2.5	22
54	Self-tolerance, dendritic cell (DC)-mediated activation and tissue distribution of natural killer (NK) cells. <i>Immunology Letters</i> , 2007 , 110, 6-17	4.1	22

53	Induction of peripheral T cell tolerance by antigen-presenting B cells. I. Relevance of antigen presentation persistence. <i>Journal of Immunology</i> , 2006 , 176, 4012-20	5.3	22
52	Inflammatory role of dendritic cells in Amyotrophic Lateral Sclerosis revealed by an analysis of patients' peripheral blood. <i>Scientific Reports</i> , 2017 , 7, 7853	4.9	21
51	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. <i>Immunome Research</i> , 2010 , 6, 10		20
50	A role for CCR5(+)CD4 T cells in cutaneous psoriasis and for CD103(+) CCR4(+) CD8 Teff cells in the associated systemic inflammation. <i>Journal of Autoimmunity</i> , 2016 , 70, 80-90	15.5	20
49	Blood to skin recirculation of CD4 memory T cells associates with cutaneous and systemic manifestations of psoriatic disease. <i>Clinical Immunology</i> , 2017 , 180, 84-94	9	19
48	Wiskott-Aldrich syndrome protein deficiency in natural killer and dendritic cells affects antitumor immunity. <i>European Journal of Immunology</i> , 2014 , 44, 1039-45	6.1	19
47	The timing of IFN γ production affects early innate responses to <i>Listeria monocytogenes</i> and determines the overall outcome of lethal infection. <i>PLoS ONE</i> , 2012 , 7, e43455	3.7	18
46	Skin infections are eliminated by cooperation of the fibrinolytic and innate immune systems. <i>Science Immunology</i> , 2017 , 2,	2.8	17
45	Cream formulation impact on topical administration of engineered colloidal nanoparticles. <i>PLoS ONE</i> , 2015 , 10, e0126366	3.7	17
44	Image filtering for two-photon deep imaging of lymphonodes. <i>European Biophysics Journal</i> , 2008 , 37, 979-87	1.9	17
43	The immune response is initiated by dendritic cells via interaction with microorganisms and interleukin-2 production. <i>Journal of Infectious Diseases</i> , 2003 , 187 Suppl 2, S346-50	7	17
42	The regulatory role of dendritic cells in the immune response. <i>International Archives of Allergy and Immunology</i> , 2004 , 134, 179-85	3.7	17
41	Synthesis and biological activity of Akt/PI3K inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 1127-36	5.3	16
40	CCR4 Skin-Tropic Phenotype as a Feature of Central Memory CD8 T Cells in Healthy Subjects and Psoriasis Patients. <i>Frontiers in Immunology</i> , 2020 , 11, 529	8.4	13
39	Dendritic cells as natural adjuvants. <i>Methods</i> , 1999 , 19, 142-7	4.6	13
38	Migratory conventional dendritic cells in the induction of peripheral T cell tolerance. <i>Journal of Leukocyte Biology</i> , 2013 , 94, 903-11	6.5	12
37	Natural killer (NK) cell functions can be strongly boosted by activated dendritic cells (DC). <i>European Journal of Immunology</i> , 2006 , 36, 2819-20	6.1	11
36	Cellular and molecular mechanisms of antifungal innate immunity at epithelial barriers: The role of C-type lectin receptors. <i>European Journal of Immunology</i> , 2020 , 50, 317-325	6.1	10

35	Dendritic Cells in the Cross Hair for the Generation of Tailored Vaccines. <i>Frontiers in Immunology</i> , 2018 , 9, 1484	8.4	10
34	Role of Toll like receptor-activated dendritic cells in the development of autoimmunity. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 4817-26	2.8	10
33	Effect of chemical modulation of toll-like receptor 4 in an animal model of ulcerative colitis. <i>European Journal of Clinical Pharmacology</i> , 2020 , 76, 409-418	2.8	9
32	Generation of murine growth factor-dependent long-term dendritic cell lines to investigate host-parasite interactions. <i>Methods in Molecular Biology</i> , 2009 , 531, 17-27	1.4	9
31	Maturation signatures of conventional dendritic cell subtypes in COVID-19 suggest direct viral sensing. <i>European Journal of Immunology</i> , 2021 ,	6.1	9
30	The Family of LPS Signal Transducers Increases: the Arrival of Chanzymes. <i>Immunity</i> , 2018 , 48, 4-6	32.3	8
29	Dendritic Cells and Macrophages: Same Receptors but Different Functions. <i>Current Immunology Reviews</i> , 2009 , 5, 311-325	1.3	7
28	Inositol 1,4,5-trisphosphate 3-kinase B promotes Ca mobilization and the inflammatory activity of dendritic cells. <i>Science Signaling</i> , 2021 , 14,	8.8	7
27	Are nanotechnological approaches the future of treating inflammatory diseases?. <i>Nanomedicine</i> , 2019 , 14, 2379-2390	5.6	6
26	Multiphoton Fabrication of Proteinaceous Nanocomposite Microstructures with Photothermal Activity in the Infrared. <i>Advanced Optical Materials</i> , 2020 , 8, 2000584	8.1	6
25	Systemically administered DNA and fowlpox recombinants expressing four vaccinia virus genes although immunogenic do not protect mice against the highly pathogenic IHD-J vaccinia strain. <i>Virus Research</i> , 2013 , 178, 374-82	6.4	6
24	Gene expression profiling of dendritic cells by microarray. <i>Methods in Molecular Biology</i> , 2007 , 380, 215-244		6
23	Preparation of Single-cell Suspensions for Cytofluorimetric Analysis from Different Mouse Skin Regions. <i>Journal of Visualized Experiments</i> , 2016 , e52589	1.6	5
22	rBet v 1 immunotherapy of sensitized mice with Streptococcus thermophilus as vehicle and adjuvant. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 1228-37	4.4	5
21	Straightforward synthesis of novel Akt inhibitors based on a glucose scaffold. <i>Carbohydrate Research</i> , 2010 , 345, 1291-8	2.9	5
20	Transcriptional reprogramming of dendritic cells by differentiation stimuli 2001 , 31, 2539		5
19	Whole-Section Tumor Micro-Architecture Analysis by a Two-Dimensional Phasor-Based Approach Applied to Polarization-Dependent Second Harmonic Imaging. <i>Frontiers in Oncology</i> , 2019 , 9, 527	5.3	4
18	Autoreactive isotype-specific T cells determine B cell frequency. <i>European Journal of Immunology</i> , 2001 , 31, 215-24	6.1	4

17	Accumulative difference image protocol for particle tracking in fluorescence microscopy tested in mouse lymphonodes. <i>PLoS ONE</i> , 2010 , 5, e12216	3.7	4
16	Generation of mouse bone marrow-derived dendritic cells (BM-DCs). <i>Protocol Exchange</i> ,		4
15	Type III interferons disrupt the lung epithelial barrier upon viral recognition		4
14	Deep Dermal Injection As a Model of <i>Candida albicans</i> Skin Infection for Histological Analyses. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	3
13	The nature of activatory and tolerogenic dendritic cell-derived signal 2. <i>Frontiers in Immunology</i> , 2014 , 5, 42	8.4	3
12	The nature of activatory and tolerogenic dendritic cell-derived signal 2. <i>Frontiers in Immunology</i> , 2013 , 4, 198	8.4	3
11	Inhibition of Lipid A Stimulated Activation of Human Dendritic Cells and Macrophages by Amino and Hydroxylamino Monosaccharides. <i>Angewandte Chemie</i> , 2007 , 119, 3372-3376	3.6	3
10	How dendritic cells sense and respond to viral infections. <i>Clinical Science</i> , 2021 , 135, 2217-2242	6.5	3
9	Inhibition of transcription factor NFAT activity in activated platelets enhances their aggregation and exacerbates gram-negative bacterial septicemia.. <i>Immunity</i> , 2021 ,	32.3	1
8	Melanin concentration maps by label-free super-resolution photo-thermal imaging on melanoma biopsies.. <i>Biomedical Optics Express</i> , 2022 , 13, 1173-1187	3.5	1
7	Maturation signatures of conventional dendritic cell subtypes in COVID-19 reflect direct viral sensing		1
6	Modeling leukocyte-leukocyte non-contact interactions in a lymph node. <i>PLoS ONE</i> , 2013 , 8, e76756	3.7	
5	Gene Profiling of Dendritic cells during HostPathogen Interactions175-197		
4	Transcriptional Profiling of Dendritic Cells in Response to Pathogens 2006 , 461-486		
3	Generation of mouse dendritic cell lines. <i>Methods in Molecular Medicine</i> , 2001 , 64, 219-30		
2	CD14-dependent and TLR-4-independent Ca ²⁺ /calcineurin pathway activation by LPS in dendritic cells leading to efficient COX-2 production. <i>FASEB Journal</i> , 2008 , 22, 672.11	0.9	
1	Quantitative active super-resolution thermal imaging: The melanoma case study.. <i>Biomolecular Concepts</i> , 2022 , 13, 242-255	3.7	