Francesca Granucci

List of Publications by Year in Descending Order

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	Melanin concentration maps by label-free super-resolution photo-thermal imaging on melanoma biopsies.. *Biomedical Optics Express*, **2022**, 13, 1173-1187	3.5	1
123	Quantitative active super-resolution thermal imaging: The melanoma case study.. *Biomolecular Concepts*, **2022**, 13, 242-255	3.7	
122	Inhibition of transcription factor NFAT activity in activated platelets enhances their aggregation and exacerbates gram-negative bacterial septicemia.. *Immunity*, **2021**,	32.3	1
121	How dendritic cells sense and respond to viral infections. *Clinical Science*, **2021**, 135, 2217-2242	6.5	3
120	Inositol 1,4,5-trisphosphate 3-kinase B promotes Ca mobilization and the inflammatory activity of dendritic cells. *Science Signaling*, **2021**, 14,	8.8	7
119	Maturation signatures of conventional dendritic cell subtypes in COVID-19 suggest direct viral sensing. *European Journal of Immunology*, **2021**,	6.1	9
118	Multiphoton Fabrication of Proteinaceous Nanocomposite Microstructures with Photothermal Activity in the Infrared. *Advanced Optical Materials*, **2020**, 8, 2000584	8.1	6
117	Type III interferons disrupt the lung epithelial barrier upon viral recognition. *Science*, **2020**, 369, 706-712	33.3	189
116	Cellular and molecular mechanisms of antifungal innate immunity at epithelial barriers: The role of C-type lectin receptors. *European Journal of Immunology*, **2020**, 50, 317-325	6.1	10
115	Effect of chemical modulation of toll-like receptor 4 in an animal model of ulcerative colitis. *European Journal of Clinical Pharmacology*, **2020**, 76, 409-418	2.8	9
114	CCR4 Skin-Tropic Phenotype as a Feature of Central Memory CD8 T Cells in Healthy Subjects and Psoriasis Patients. *Frontiers in Immunology*, **2020**, 11, 529	8.4	13
113	Type III interferons: Balancing tissue tolerance and resistance to pathogen invasion. *Journal of Experimental Medicine*, **2020**, 217,	16.6	59
112	Are nanotechnological approaches the future of treating inflammatory diseases?. *Nanomedicine*, **2019**, 14, 2379-2390	5.6	6
111	Below the surface: The inner lives of TLR4 and TLR9. *Journal of Leukocyte Biology*, **2019**, 106, 147-160	6.5	47
110	Whole-Section Tumor Micro-Architecture Analysis by a Two-Dimensional Phasor-Based Approach Applied to Polarization-Dependent Second Harmonic Imaging. *Frontiers in Oncology*, **2019**, 9, 527	5.3	4
109	Increased frequency of activated CD8 T cell effectors in patients with psoriatic arthritis. *Scientific Reports*, **2019**, 9, 10870	4.9	29
108	Toll-like receptor 4 modulation influences human neural stem cell proliferation and differentiation. *Cell Death and Disease*, **2018**, 9, 280	9.8	27

107	The Family of LPS Signal Transducers Increases: the Arrival of Chanzymes. *Immunity*, **2018**, 48, 4-6	32.3	8
106	Dendritic Cells in the Cross Hair for the Generation of Tailored Vaccines. *Frontiers in Immunology*, **2018**, 9, 1484	8.4	10
105	Deep Dermal Injection As a Model of Candida albicans Skin Infection for Histological Analyses. *Journal of Visualized Experiments*, **2018**,	1.6	3
104	Blood to skin recirculation of CD4 memory T cells associates with cutaneous and systemic manifestations of psoriatic disease. *Clinical Immunology*, **2017**, 180, 84-94	9	19
103	Inflammatory role of dendritic cells in Amyotrophic Lateral Sclerosis revealed by an analysis of patients' peripheral blood. *Scientific Reports*, **2017**, 7, 7853	4.9	21
102	Skin infections are eliminated by cooperation of the fibrinolytic and innate immune systems. *Science Immunology*, **2017**, 2,	28	17
101	Drug nanocarriers to treat autoimmunity and chronic inflammatory diseases. *Seminars in Immunology*, **2017**, 34, 61-67	10.7	48
100	IFN-λ suppresses intestinal inflammation by non-translational regulation of neutrophil function. *Nature Immunology*, **2017**, 18, 1084-1093	19.1	124
99	Interferon (IFN)-λ Takes the Helm: Immunomodulatory Roles of Type III IFNs. *Frontiers in Immunology*, **2017**, 8, 1661	8.4	65
98	Prolonged contact with dendritic cells turns lymph node-resident NK cells into anti-tumor effectors. *EMBO Molecular Medicine*, **2016**, 8, 1039-51	12	22
97	Preparation of Single-cell Suspensions for Cytofluorimetric Analysis from Different Mouse Skin Regions. *Journal of Visualized Experiments*, **2016**, e52589	1.6	5
96	A role for CCR5(+)CD4 T cells in cutaneous psoriasis and for CD103(+) CCR4(+) CD8 Teff cells in the associated systemic inflammation. *Journal of Autoimmunity*, **2016**, 70, 80-90	15.5	20
95	Microbe- and danger-induced inflammation. *Molecular Immunology*, **2015**, 63, 127-33	4.3	36
94	Cream formulation impact on topical administration of engineered colloidal nanoparticles. *PLoS ONE*, **2015**, 10, e0126366	3.7	17
93	Wiskott-Aldrich syndrome protein deficiency in natural killer and dendritic cells affects antitumor immunity. *European Journal of Immunology*, **2014**, 44, 1039-45	6.1	19
92	Modulation of CD14 and TLR4·MD-2 activities by a synthetic lipid A mimetic. *ChemBioChem*, **2014**, 15, 250-8	3.8	39
91	Murein lytic enzyme TgaA of Bifidobacterium bifidum MIMBb75 modulates dendritic cell maturation through its cysteine- and histidine-dependent amidohydrolase/peptidase (CHAP) amidase domain. *Applied and Environmental Microbiology*, **2014**, 80, 5170-7	4.8	26
90	rBet v 1 immunotherapy of sensitized mice with Streptococcus thermophilus as vehicle and adjuvant. *Human Vaccines and Immunotherapeutics*, **2014**, 10, 1228-37	4.4	5

89	The nature of activatory and tolerogenic dendritic cell-derived signal 2. *Frontiers in Immunology*, **2014**, 5, 42	8.4	3
88	IL-15 cis presentation is required for optimal NK cell activation in lipopolysaccharide-mediated inflammatory conditions. *Cell Reports*, **2013**, 4, 1235-49	10.6	53
87	Migratory conventional dendritic cells in the induction of peripheral T cell tolerance. *Journal of Leukocyte Biology*, **2013**, 94, 903-11	6.5	12
86	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. *Virus Research*, **2013**, 178, 374-82	6.4	6
85	The nature of activatory and tolerogenic dendritic cell-derived signal 2. *Frontiers in Immunology*, **2013**, 4, 198	8.4	3
84	Role of CD14 in host protection against infections and in metabolism regulation. *Frontiers in Cellular and Infection Microbiology*, **2013**, 3, 32	5.9	135
83	Modeling leukocyte-leukocyte non-contact interactions in a lymph node. *PLoS ONE*, **2013**, 8, e76756	3.7	
82	Migratory, and not lymphoid-resident, dendritic cells maintain peripheral self-tolerance and prevent autoimmunity via induction of iTreg cells. *Blood*, **2012**, 120, 1237-45	2.2	59
81	Similarities and differences of innate immune responses elicited by smooth and rough LPS. *Immunology Letters*, **2012**, 142, 41-7	4.1	35
80	Regulation and dysregulation of innate immunity by NFAT signaling downstream of pattern recognition receptors (PRRs). *European Journal of Immunology*, **2012**, 42, 1924-31	6.1	46
79	CD14 and NFAT mediate lipopolysaccharide-induced skin edema formation in mice. *Journal of Clinical Investigation*, **2012**, 122, 1747-57	15.9	33
78	The timing of IFN□production affects early innate responses to Listeria monocytogenes and determines the overall outcome of lethal infection. *PLoS ONE*, **2012**, 7, e43455	3.7	18
77	The regulatory role of dendritic cells in the induction and maintenance of T-cell tolerance. *Autoimmunity*, **2011**, 44, 23-32	3	25
76	CD14 controls the LPS-induced endocytosis of Toll-like receptor 4. *Cell*, **2011**, 147, 868-80	56.2	598
75	Vaccination with filamentous bacteriophages targeting DEC-205 induces DC maturation and potent anti-tumor T-cell responses in the absence of adjuvants. *European Journal of Immunology*, **2011**, 41, 2573-84	6.1	39
74	Uniform lipopolysaccharide (LPS)-loaded magnetic nanoparticles for the investigation of LPS-TLR4 signaling. *Angewandte Chemie - International Edition*, **2011**, 50, 622-6	16.4	36
73	A dairy bacterium displays in vitro probiotic properties for the pharyngeal mucosa by antagonizing group A streptococci and modulating the immune response. *Infection and Immunity*, **2010**, 78, 4734-43	3.7	30
72	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. *Immunome Research*, **2010**, 6, 10		20

71	Differences in lipopolysaccharide-induced signaling between conventional dendritic cells and macrophages. *Immunobiology*, **2010**, 215, 709-12	3.4	30
70	Deciphering the complexity of Toll-like receptor signaling. *Cellular and Molecular Life Sciences*, **2010**, 67, 4109-34	10.3	115
69	Regulation of antigen uptake, migration, and lifespan of dendritic cell by Toll-like receptors. *Journal of Molecular Medicine*, **2010**, 88, 873-80	5.5	47
68	Straightforward synthesis of novel Akt inhibitors based on a glucose scaffold. *Carbohydrate Research*, **2010**, 345, 1291-8	2.9	5
67	Gene expression profiles identify inflammatory signatures in dendritic cells. *PLoS ONE*, **2010**, 5, e9404	3.7	35
66	Accumulative difference image protocol for particle tracking in fluorescence microscopy tested in mouse lymphonodes. *PLoS ONE*, **2010**, 5, e12216	3.7	4
65	The dendritic cell life cycle. *Cell Cycle*, **2009**, 8, 3816-21	4.7	27
64	CD14 regulates the dendritic cell life cycle after LPS exposure through NFAT activation. *Nature*, **2009**, 460, 264-8	50.4	232
63	Dendritic Cells and Macrophages: Same Receptors but Different Functions. *Current Immunology Reviews*, **2009**, 5, 311-325	1.3	7
62	Generation of murine growth factor-dependent long-term dendritic cell lines to investigate host-parasite interactions. *Methods in Molecular Biology*, **2009**, 531, 17-27	1.4	9
61	Role of Toll like receptor-activated dendritic cells in the development of autoimmunity. *Frontiers in Bioscience - Landmark*, **2008**, 13, 4817-26	2.8	10
60	Central role of dendritic cells in the regulation and deregulation of immune responses. *Cellular and Molecular Life Sciences*, **2008**, 65, 1683-97	10.3	68
59	Image filtering for two-photon deep imaging of lymphonodes. *European Biophysics Journal*, **2008**, 37, 979-87	1.9	17
58	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. *Glia*, **2008**, 56, 1312-9	9	158
57	CD14-dependent and TLR-4-independent Ca2+/calcineurin pathway activation by LPS in dendritic cells leading to efficient COX-2 production. *FASEB Journal*, **2008**, 22, 672.11	0.9	
56	Inhibition of lipid a stimulated activation of human dendritic cells and macrophages by amino and hydroxylamino monosaccharides. *Angewandte Chemie - International Edition*, **2007**, 46, 3308-12	16.4	25
55	Inhibition of Lipid A Stimulated Activation of Human Dendritic Cells and Macrophages by Amino and Hydroxylamino Monosaccharides. *Angewandte Chemie*, **2007**, 119, 3372-3376	3.6	3
54	Self-tolerance, dendritic cell (DC)-mediated activation and tissue distribution of natural killer (NK) cells. *Immunology Letters*, **2007**, 110, 6-17	4.1	22

53	Gene expression profiling of dendritic cells by microarray. *Methods in Molecular Biology*, **2007**, 380, 215-24	1.4	6
52	Effects of dexamethazone on LPS-induced activationand migration of mouse dendritic cells revealed by a genome-wide transcriptional analysis. *European Journal of Immunology*, **2006**, 36, 1504-15	6.1	46
51	Natural killer (NK) cell functions can be strongly boosted by activated dendritic cells (DC). *European Journal of Immunology*, **2006**, 36, 2819-20	6.1	11
50	Synthesis and biological activity of Akt/PI3K inhibitors. *Mini-Reviews in Medicinal Chemistry*, **2006**, 6, 1127-36	3.1	16
49	Dendritic cells in pathogen recognition and induction of immune responses: a functional genomics approach. *Journal of Leukocyte Biology*, **2006**, 79, 913-6	6.5	32
48	Induction of peripheral T cell tolerance by antigen-presenting B cells. I. Relevance of antigen presentation persistence. *Journal of Immunology*, **2006**, 176, 4012-20	5.3	22
47	Induction of peripheral T cell tolerance by antigen-presenting B cells. II. Chronic antigen presentation overrules antigen-presenting B cell activation. *Journal of Immunology*, **2006**, 176, 4021-8	5.3	27
46	Transcriptional Profiling of Dendritic Cells in Response to Pathogens **2006**, 461-486		
45	Synthesis and biological evaluation of novel lipid A antagonists. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 190-9	3.4	23
44	Dendritic cell biology. *Advances in Immunology*, **2005**, 88, 193-233	5.6	59
43	Dendritic cell-derived IL-2 production is regulated by IL-15 in humans and in mice. *Blood*, **2005**, 105, 697-702	7.2	81
42	A critical role for lipophosphoglycan in proinflammatory responses of dendritic cells to Leishmania mexicana. *European Journal of Immunology*, **2005**, 35, 476-86	6.1	41
41	Differential expression regulation of the alpha and beta subunits of the PA28 proteasome activator in mature dendritic cells. *Journal of Immunology*, **2005**, 174, 7815-22	5.3	54
40	TLR-dependent activation stimuli associated with Th1 responses confer NK cell stimulatory capacity to mouse dendritic cells. *Journal of Immunology*, **2005**, 175, 286-92	5.3	57
39	A contribution of mouse dendritic cell-derived IL-2 for NK cell activation. *Journal of Experimental Medicine*, **2004**, 200, 287-95	16.6	182
38	A type I IFN-dependent pathway induced by Schistosoma mansoni eggs in mouse myeloid dendritic cells generates an inflammatory signature. *Journal of Immunology*, **2004**, 172, 3011-7	5.3	56
37	The regulatory role of dendritic cells in the immune response. *International Archives of Allergy and Immunology*, **2004**, 134, 179-85	3.7	17
36	The European dimension for the mouse genome mutagenesis program. *Nature Genetics*, **2004**, 36, 925-7	36.3	176

35	A power law global error model for the identification of differentially expressed genes in microarray data. *BMC Bioinformatics*, **2004**, 5, 203	3.6	82
34	A central role for tissue-resident dendritic cells in innate responses. *Trends in Immunology*, **2004**, 25, 650-4	14.4	47
33	Early IL-2 production by mouse dendritic cells is the result of microbial-induced priming. *Journal of Immunology*, **2003**, 170, 5075-81	5.3	142
32	The immune response is initiated by dendritic cells via interaction with microorganisms and interleukin-2 production. *Journal of Infectious Diseases*, **2003**, 187 Suppl 2, S346-50	7	17
31	The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and microglia. *Blood*, **2003**, 102, 2940-7	2.2	89
30	Dendritic cell regulation of immune responses: a new role for interleukin 2 at the intersection of innate and adaptive immunity. *EMBO Journal*, **2003**, 22, 2546-51	13	81
29	Interactions of bacterial pathogens with dendritic cells during invasion of mucosal surfaces. *Current Opinion in Microbiology*, **2003**, 6, 72-6	7.9	41
28	Toll-like receptor 4 is not required for the full maturation of dendritic cells or for the degradation of Gram-negative bacteria. *European Journal of Immunology*, **2002**, 32, 2800-6	6.1	28
27	Opinion: Interpretation of the complexity of innate immune responses by functional genomics. *Nature Reviews Immunology*, **2002**, 2, 881-9	36.5	94
26	Granulocyte-macrophage colony-stimulating factor induces an expression program in neonatal microglia that primes them for antigen presentation. *Journal of Immunology*, **2002**, 169, 2264-73	5.3	82
25	Autoreactive isotype-specific T cells determine B cell frequency. *European Journal of Immunology*, **2001**, 31, 215-24	6.1	4
24	Transcriptional reprogramming of dendritic cells by differentiation stimuli. *European Journal of Immunology*, **2001**, 31, 2539-2546	6.1	119
23	Differential activation of NF-kappa B subunits in dendritic cells in response to Gram-negative bacteria and to lipopolysaccharide. *Microbes and Infection*, **2001**, 3, 259-65	9.3	47
22	Dendritic cells express tight junction proteins and penetrate gut epithelial monolayers to sample bacteria. *Nature Immunology*, **2001**, 2, 361-7	19.1	1990
21	Inducible IL-2 production by dendritic cells revealed by global gene expression analysis. *Nature Immunology*, **2001**, 2, 882-8	19.1	396
20	Infection of dendritic cells by murine cytomegalovirus induces functional paralysis. *Nature Immunology*, **2001**, 2, 1077-84	19.1	220
19	Gene expression profiling in immune cells using microarray. *International Archives of Allergy and Immunology*, **2001**, 126, 257-66	3.7	24
18	Generation of mouse dendritic cell lines. *Methods in Molecular Medicine*, **2001**, 64, 219-30		

17	Analysis of the relationship between viral infection and autoimmune disease. *Immunity*, **2001**, 15, 137-47	32.3	103
16	Transcriptional reprogramming of dendritic cells by differentiation stimuli **2001**, 31, 2539		5
15	Molecular events of bacterial-induced maturation of dendritic cells. *Journal of Clinical Immunology*, **2000**, 20, 161-6	5.7	55
14	Upon dendritic cell (DC) activation chemokines and chemokine receptor expression are rapidly regulated for recruitment and maintenance of DC at the inflammatory site. *International Immunology*, **1999**, 11, 979-86	4.9	102
13	Early events in dendritic cell maturation induced by LPS. *Microbes and Infection*, **1999**, 1, 1079-84	9.3	102
12	Coordinated events during bacteria-induced DC maturation. *Trends in Immunology*, **1999**, 20, 200-3		180
11	Microglia induce myelin basic protein-specific T cell anergy or T cell activation, according to their state of activation. *European Journal of Immunology*, **1999**, 29, 3063-76	6.1	100
10	Dendritic cells as natural adjuvants. *Methods*, **1999**, 19, 142-7	4.6	13
9	Rabbit monoclonal Fab derived from a phage display library. *Journal of Immunological Methods*, **1998**, 213, 201-12	2.5	22
8	Molecular mimicry by herpes simplex virus-type 1: autoimmune disease after viral infection. *Science* , **1998**, 279, 1344-7	33.3	435
7	Maturation stages of mouse dendritic cells in growth factor-dependent long-term cultures. *Journal of Experimental Medicine*, **1997**, 185, 317-28	16.6	717
6	Modulation of cytokine expression in mouse dendritic cell clones. *European Journal of Immunology*, **1994**, 24, 2522-6	6.1	41
5	Cloned microglial cells but not macrophages synthesize beta-endorphin in response to CRH activation. *Glia*, **1993**, 9, 305-10	9	26
4	Gene Profiling of Dendritic cells during Host Pathogen Interactions175-197		
3	Generation of mouse bone marrow-derived dendritic cells (BM-DCs). *Protocol Exchange*,		4
2	Type III interferons disrupt the lung epithelial barrier upon viral recognition		4
1	Maturation signatures of conventional dendritic cell subtypes in COVID-19 reflect direct viral sensing		1