Ivan Zanoni

List of Publications by Year in Descending Order

97 papers	4,995 citations	35 h-index	70 g-index
105 ext. papers	6,227 ext. citations	11.9 avg, IF	6.02 L-index

#	Paper	IF	Citations
97	An aluminum hydroxide:CpG adjuvant enhances protection elicited by a SARS-CoV-2 receptor binding domain vaccine in aged mice. *Science Translational Medicine*, **2022**, 14,	17.5	6
96	An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity.. *Cell*, **2022**, 185, 614-629.e21	56.2	7
95	Inhibition of transcription factor NFAT activity in activated platelets enhances their aggregation and exacerbates gram-negative bacterial septicemia.. *Immunity*, **2021**,	32.3	1
94	Zinc-dependent histone deacetylases drive neutrophil extracellular trap formation and potentiate local and systemic inflammation. *IScience*, **2021**, 24, 103256	6.1	5
93	CD14: Not Just Chaperone, But a Key-Player in Inflammation. *Agents and Actions Supplements*, **2021**, 57-78	0.2	1
92	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
91	Severity of SARS-CoV-2 infection as a function of the interferon landscape across the respiratory tract of COVID-19 patients **2021**,		6
90	Dooming Phagocyte Responses: Inflammatory Effects of Endogenous Oxidized Phospholipids. *Frontiers in Endocrinology*, **2021**, 12, 626842	5.7	2
89	Dissecting the common and compartment-specific features of COVID-19 severity in the lung and periphery with single-cell resolution. *IScience*, **2021**, 24, 102738	6.1	4
88	Viral Respiratory Pathogens and Lung Injury. *Clinical Microbiology Reviews*, **2021**, 34,	34	20
87	Notch4 signaling limits regulatory T-cell-mediated tissue repair and promotes severe lung inflammation in viral infections. *Immunity*, **2021**, 54, 1186-1199.e7	32.3	22
86	Efficient treatment of a preclinical inflammatory bowel disease model with engineered bacteria. *Molecular Therapy - Methods and Clinical Development*, **2021**, 20, 218-226	6.4	4
85	Deep-sea microbes as tools to refine the rules of innate immune pattern recognition. *Science Immunology*, **2021**, 6,	28	3
84	The interferon landscape along the respiratory tract impacts the severity of COVID-19. *Cell*, **2021**, 184, 4953-4968.e16	56.2	39
83	Interfering with SARS-CoV-2: are interferons friends or foes in COVID-19?. *Current Opinion in Virology*, **2021**, 50, 119-127	7.5	10
82	An aluminum hydroxide:CpG adjuvant enhances protection elicited by a SARS-CoV-2 receptor-binding domain vaccine in aged mice. *Science Translational Medicine*, **2021**, eabj5305	17.5	2
81	Type III interferons disrupt the lung epithelial barrier upon viral recognition. *Science*, **2020**, 369, 706-712	33.3	189

80	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
79	Microbiome studies in the medical sciences and the need for closer multidisciplinary interplay. *Science Signaling*, **2020**, 13,	8.8	3
78	Endogenous oxidized phospholipids reprogram cellular metabolism and boost hyperinflammation. *Nature Immunology*, **2020**, 21, 42-53	19.1	57
77	Inflammasomes within Hyperactive Murine Dendritic Cells Stimulate Long-Lived T Cell-Mediated Anti-tumor Immunity. *Cell Reports*, **2020**, 33, 108381	10.6	24
76	Targeting innate immunity by blocking CD14: Novel approach to control inflammation and organ dysfunction in COVID-19 illness. *EBioMedicine*, **2020**, 57, 102836	8.8	28
75	Type III interferons: Balancing tissue tolerance and resistance to pathogen invasion. *Journal of Experimental Medicine*, **2020**, 217,	16.6	59
74	COVID-19 and emerging viral infections: The case for interferon lambda. *Journal of Experimental Medicine*, **2020**, 217,	16.6	137
73	Bariatric surgery, compared to medical treatment, reduces morbidity at all ages but does not reduce mortality in patients aged . *Acta Diabetologica*, **2020**, 57, 323-333	3.9	7
72	Are nanotechnological approaches the future of treating inflammatory diseases?. *Nanomedicine*, **2019**, 14, 2379-2390	5.6	6
71	Below the surface: The inner lives of TLR4 and TLR9. *Journal of Leukocyte Biology*, **2019**, 106, 147-160	6.5	47
70	Lambda interferons come to light: dual function cytokines mediating antiviral immunity and damage control. *Current Opinion in Immunology*, **2019**, 56, 67-75	7.8	42
69	Intersection of phosphate transport, oxidative stress and TOR signalling in Candida albicans virulence. *PLoS Pathogens*, **2018**, 14, e1007076	7.6	23
68	Dendritic Cells in the Cross Hair for the Generation of Tailored Vaccines. *Frontiers in Immunology*, **2018**, 9, 1484	8.4	10
67	Deep Dermal Injection As a Model of Candida albicans Skin Infection for Histological Analyses. *Journal of Visualized Experiments*, **2018**,	1.6	3
66	By Capturing Inflammatory Lipids Released from Dying Cells, the Receptor CD14 Induces Inflammasome-Dependent Phagocyte Hyperactivation. *Immunity*, **2017**, 47, 697-709.e3	32.3	99
65	Inflammatory role of dendritic cells in Amyotrophic Lateral Sclerosis revealed by an analysis of patientsSperipheral blood. *Scientific Reports*, **2017**, 7, 7853	4.9	21
64	Skin infections are eliminated by cooperation of the fibrinolytic and innate immune systems. *Science Immunology*, **2017**, 2,	28	17
63	Drug nanocarriers to treat autoimmunity and chronic inflammatory diseases. *Seminars in Immunology*, **2017**, 34, 61-67	10.7	48

62	IFN-λ suppresses intestinal inflammation by non-translational regulation of neutrophil function. *Nature Immunology*, **2017**, 18, 1084-1093	19.1	124
61	Interferon (IFN)-λ Takes the Helm: Immunomodulatory Roles of Type III IFNs. *Frontiers in Immunology*, **2017**, 8, 1661	8.4	65
60	Prolonged contact with dendritic cells turns lymph node-resident NK cells into anti-tumor effectors. *EMBO Molecular Medicine*, **2016**, 8, 1039-51	12	22
59	Preparation of Single-cell Suspensions for Cytofluorimetric Analysis from Different Mouse Skin Regions. *Journal of Visualized Experiments*, **2016**, e52589	1.6	5
58	An endogenous caspase-11 ligand elicits interleukin-1 release from living dendritic cells. *Science*, **2016**, 352, 1232-6	33.3	287
57	Mechanisms of Toll-like Receptor 4 Endocytosis Reveal a Common Immune-Evasion Strategy Used by Pathogenic and Commensal Bacteria. *Immunity*, **2015**, 43, 909-22	32.3	97
56	Toll-like receptor co-receptors as master regulators of the immune response. *Molecular Immunology*, **2015**, 63, 143-52	4.3	64
55	Cream formulation impact on topical administration of engineered colloidal nanoparticles. *PLoS ONE*, **2015**, 10, e0126366	3.7	17
54	A Single Bacterial Immune Evasion Strategy Dismantles Both MyD88 and TRIF Signaling Pathways Downstream of TLR4. *Cell Host and Microbe*, **2015**, 18, 682-93	23.4	33
53	Innate immune pattern recognition: a cell biological perspective. *Annual Review of Immunology*, **2015**, 33, 257-90	34.7	804
52	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
51	Modulation of CD14 and TLR4·MD-2 activities by a synthetic lipid A mimetic. *ChemBioChem*, **2014**, 15, 250-8	3.8	39
50	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
49	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
48	The nature of activatory and tolerogenic dendritic cell-derived signal 2. *Frontiers in Immunology*, **2014**, 5, 42	8.4	3
47	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
46	Migratory conventional dendritic cells in the induction of peripheral T cell tolerance. *Journal of Leukocyte Biology*, **2013**, 94, 903-11	6.5	12
45	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

44	A novel bioactive peptide: assessing its activity over murine neural stem cells and its potential for neural tissue engineering. *New Biotechnology*, **2013**, 30, 552-62	6.4	46
43	The nature of activatory and tolerogenic dendritic cell-derived signal 2. *Frontiers in Immunology*, **2013**, 4, 198	8.4	3
42	Role of CD14 in host protection against infections and in metabolism regulation. *Frontiers in Cellular and Infection Microbiology*, **2013**, 3, 32	5.9	135
41	Modeling leukocyte-leukocyte non-contact interactions in a lymph node. *PLoS ONE*, **2013**, 8, e76756	3.7	
40	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
39	Luminescent rhenium and ruthenium complexes of an amphoteric poly(amidoamine) functionalized with 1,10-phenanthroline. *Inorganic Chemistry*, **2012**, 51, 12776-88	5.1	32
38	Luminescent Conjugates between Dinuclear Rhenium Complexes and Peptide Nucleic Acids (PNA): Synthesis, Photophysical Characterization, and Cell Uptake. *Organometallics*, **2012**, 31, 5918-5928	3.8	36
37	Similarities and differences of innate immune responses elicited by smooth and rough LPS. *Immunology Letters*, **2012**, 142, 41-7	4.1	35
36	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
35	CD14 and NFAT mediate lipopolysaccharide-induced skin edema formation in mice. *Journal of Clinical Investigation*, **2012**, 122, 1747-57	15.9	33
34	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
33	The regulatory role of dendritic cells in the induction and maintenance of T-cell tolerance. *Autoimmunity*, **2011**, 44, 23-32	3	25
32	CD14 controls the LPS-induced endocytosis of Toll-like receptor 4. *Cell*, **2011**, 147, 868-80	56.2	598
31	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
30	Uniform lipopolysaccharide (LPS)-loaded magnetic nanoparticles for the investigation of LPS-TLR4 signaling. *Angewandte Chemie - International Edition*, **2011**, 50, 622-6	16.4	36
29	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
28	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. *Immunome Research*, **2010**, 6, 10		20
27	Differences in lipopolysaccharide-induced signaling between conventional dendritic cells and macrophages. *Immunobiology*, **2010**, 215, 709-12	3.4	30

26	Luminescent conjugates between dinuclear rhenium(I) complexes and peptide nucleic acids (PNA) for cell imaging and DNA targeting. *Chemical Communications*, **2010**, 46, 6255-7	5.8	78
25	Deciphering the complexity of Toll-like receptor signaling. *Cellular and Molecular Life Sciences*, **2010**, 67, 4109-34	10.3	115
24	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
23	Accumulative difference image protocol for particle tracking in fluorescence microscopy tested in mouse lymphonodes. *PLoS ONE*, **2010**, 5, e12216	3.7	4
22	The dendritic cell life cycle. *Cell Cycle*, **2009**, 8, 3816-21	4.7	27
21	CD14 regulates the dendritic cell life cycle after LPS exposure through NFAT activation. *Nature*, **2009**, 460, 264-8	50.4	232
20	Dendritic Cells and Macrophages: Same Receptors but Different Functions. *Current Immunology Reviews*, **2009**, 5, 311-325	1.3	7
19	Role of Toll like receptor-activated dendritic cells in the development of autoimmunity. *Frontiers in Bioscience - Landmark*, **2008**, 13, 4817-26	2.8	10
18	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
17	Image filtering for two-photon deep imaging of lymphonodes. *European Biophysics Journal*, **2008**, 37, 979-87	1.9	17
16	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	
15	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
14	Self-tolerance, dendritic cell (DC)-mediated activation and tissue distribution of natural killer (NK) cells. *Immunology Letters*, **2007**, 110, 6-17	4.1	22
13	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
12	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
11	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
10	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
9	Transcriptional Profiling of Dendritic Cells in Response to Pathogens **2006**, 461-486		

8	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
7	A contribution of mouse dendritic cell-derived IL-2 for NK cell activation. *Journal of Experimental Medicine*, **2004**, 200, 287-95	16.6	182
6	The regulatory role of dendritic cells in the immune response. *International Archives of Allergy and Immunology*, **2004**, 134, 179-85	3.7	17
5	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
4	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
3	Gene Profiling of Dendritic cells during Host Pathogen Interactions175-197		
2	Type III interferons disrupt the lung epithelial barrier upon viral recognition		4
1	An adjuvanted SARS-CoV-2 RBD nanoparticle elicits neutralizing antibodies and fully protective immunity in aged mice		1