

# Ivan Zanoni

## List of Publications by Citations

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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	Innate immune pattern recognition: a cell biological perspective. <i>Annual Review of Immunology</i> , <b>2015</b> , 33, 257-90	34.7	804
96	CD14 controls the LPS-induced endocytosis of Toll-like receptor 4. <i>Cell</i> , <b>2011</b> , 147, 868-80	56.2	598
95	An endogenous caspase-11 ligand elicits interleukin-1 release from living dendritic cells. <i>Science</i> , <b>2016</b> , 352, 1232-6	33.3	287
94	CD14 regulates the dendritic cell life cycle after LPS exposure through NFAT activation. <i>Nature</i> , <b>2009</b> , 460, 264-8	50.4	232
93	Type III interferons disrupt the lung epithelial barrier upon viral recognition. <i>Science</i> , <b>2020</b> , 369, 706-712	33.3	189
92	A contribution of mouse dendritic cell-derived IL-2 for NK cell activation. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 200, 287-95	16.6	182
91	COVID-19 and emerging viral infections: The case for interferon lambda. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	137
90	Role of CD14 in host protection against infections and in metabolism regulation. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2013</b> , 3, 32	5.9	135
89	IFN- $\beta$ suppresses intestinal inflammation by non-translational regulation of neutrophil function. <i>Nature Immunology</i> , <b>2017</b> , 18, 1084-1093	19.1	124
88	Deciphering the complexity of Toll-like receptor signaling. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 4109-34	10.3	115
87	By Capturing Inflammatory Lipids Released from Dying Cells, the Receptor CD14 Induces Inflammasome-Dependent Phagocyte Hyperactivation. <i>Immunity</i> , <b>2017</b> , 47, 697-709.e3	32.3	99
86	Mechanisms of Toll-like Receptor 4 Endocytosis Reveal a Common Immune-Evasion Strategy Used by Pathogenic and Commensal Bacteria. <i>Immunity</i> , <b>2015</b> , 43, 909-22	32.3	97
85	Dendritic cell regulation of immune responses: a new role for interleukin 2 at the intersection of innate and adaptive immunity. <i>EMBO Journal</i> , <b>2003</b> , 22, 2546-51	13	81
84	Luminescent conjugates between dinuclear rhenium(I) complexes and peptide nucleic acids (PNA) for cell imaging and DNA targeting. <i>Chemical Communications</i> , <b>2010</b> , 46, 6255-7	5.8	78
83	Central role of dendritic cells in the regulation and deregulation of immune responses. <i>Cellular and Molecular Life Sciences</i> , <b>2008</b> , 65, 1683-97	10.3	68
82	Interferon (IFN)- $\gamma$ Takes the Helm: Immunomodulatory Roles of Type III IFNs. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1661	8.4	65
81	Toll-like receptor co-receptors as master regulators of the immune response. <i>Molecular Immunology</i> , <b>2015</b> , 63, 143-52	4.3	64

80	Migratory, and not lymphoid-resident, dendritic cells maintain peripheral self-tolerance and prevent autoimmunity via induction of iTreg cells. <i>Blood</i> , <b>2012</b> , 120, 1237-45	2.2	59
79	Type III interferons: Balancing tissue tolerance and resistance to pathogen invasion. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	59
78	TLR-dependent activation stimuli associated with Th1 responses confer NK cell stimulatory capacity to mouse dendritic cells. <i>Journal of Immunology</i> , <b>2005</b> , 175, 286-92	5.3	57
77	Endogenous oxidized phospholipids reprogram cellular metabolism and boost hyperinflammation. <i>Nature Immunology</i> , <b>2020</b> , 21, 42-53	19.1	57
76	IL-15 cis presentation is required for optimal NK cell activation in lipopolysaccharide-mediated inflammatory conditions. <i>Cell Reports</i> , <b>2013</b> , 4, 1235-49	10.6	53
75	Drug nanocarriers to treat autoimmunity and chronic inflammatory diseases. <i>Seminars in Immunology</i> , <b>2017</b> , 34, 61-67	10.7	48
74	Below the surface: The inner lives of TLR4 and TLR9. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 106, 147-160	6.5	47
73	Regulation of antigen uptake, migration, and lifespan of dendritic cell by Toll-like receptors. <i>Journal of Molecular Medicine</i> , <b>2010</b> , 88, 873-80	5.5	47
72	A novel bioactive peptide: assessing its activity over murine neural stem cells and its potential for neural tissue engineering. <i>New Biotechnology</i> , <b>2013</b> , 30, 552-62	6.4	46
71	Regulation and dysregulation of innate immunity by NFAT signaling downstream of pattern recognition receptors (PRRs). <i>European Journal of Immunology</i> , <b>2012</b> , 42, 1924-31	6.1	46
70	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> , <b>2006</b> , 36, 1504-15	6.1	46
69	Lambda interferons come to light: dual function cytokines mediating antiviral immunity and damage control. <i>Current Opinion in Immunology</i> , <b>2019</b> , 56, 67-75	7.8	42
68	Modulation of CD14 and TLR4/MD-2 activities by a synthetic lipid A mimetic. <i>ChemBioChem</i> , <b>2014</b> , 15, 250-8	3.8	39
67	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> , <b>2011</b> , 41, 2573-84	6.1	39
66	The interferon landscape along the respiratory tract impacts the severity of COVID-19. <i>Cell</i> , <b>2021</b> , 184, 4953-4968.e16	56.2	39
65	Luminescent Conjugates between Dinuclear Rhenium Complexes and Peptide Nucleic Acids (PNA): Synthesis, Photophysical Characterization, and Cell Uptake. <i>Organometallics</i> , <b>2012</b> , 31, 5918-5928	3.8	36
64	Uniform lipopolysaccharide (LPS)-loaded magnetic nanoparticles for the investigation of LPS-TLR4 signaling. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 622-6	16.4	36
63	Similarities and differences of innate immune responses elicited by smooth and rough LPS. <i>Immunology Letters</i> , <b>2012</b> , 142, 41-7	4.1	35

62	A Single Bacterial Immune Evasion Strategy Dismantles Both MyD88 and TRIF Signaling Pathways Downstream of TLR4. <i>Cell Host and Microbe</i> , <b>2015</b> , 18, 682-93	23.4	33
61	CD14 and NFAT mediate lipopolysaccharide-induced skin edema formation in mice. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 1747-57	15.9	33
60	Luminescent rhenium and ruthenium complexes of an amphoteric poly(amidoamine) functionalized with 1,10-phenanthroline. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 12776-88	5.1	32
59	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> , <b>2010</b> , 78, 4734-43	3.7	30
58	Differences in lipopolysaccharide-induced signaling between conventional dendritic cells and macrophages. <i>Immunobiology</i> , <b>2010</b> , 215, 709-12	3.4	30
57	Targeting innate immunity by blocking CD14: Novel approach to control inflammation and organ dysfunction in COVID-19 illness. <i>EBioMedicine</i> , <b>2020</b> , 57, 102836	8.8	28
56	The dendritic cell life cycle. <i>Cell Cycle</i> , <b>2009</b> , 8, 3816-21	4.7	27
55	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> , <b>2006</b> , 176, 4021-8	5.3	27
54	Murein lytic enzyme TgaA of <i>Bifidobacterium bifidum</i> MIMBb75 modulates dendritic cell maturation through its cysteine- and histidine-dependent amidohydrolase/peptidase (CHAP) amidase domain. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 5170-7	4.8	26
53	The regulatory role of dendritic cells in the induction and maintenance of T-cell tolerance. <i>Autoimmunity</i> , <b>2011</b> , 44, 23-32	3	25
52	Inhibition of lipid A stimulated activation of human dendritic cells and macrophages by amino and hydroxylamino monosaccharides. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 3308-12	16.4	25
51	Inflammasomes within Hyperactive Murine Dendritic Cells Stimulate Long-Lived T Cell-Mediated Anti-tumor Immunity. <i>Cell Reports</i> , <b>2020</b> , 33, 108381	10.6	24
50	Intersection of phosphate transport, oxidative stress and TOR signalling in <i>Candida albicans</i> virulence. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007076	7.6	23
49	Prolonged contact with dendritic cells turns lymph node-resident NK cells into anti-tumor effectors. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 1039-51	12	22
48	Self-tolerance, dendritic cell (DC)-mediated activation and tissue distribution of natural killer (NK) cells. <i>Immunology Letters</i> , <b>2007</b> , 110, 6-17	4.1	22
47	Induction of peripheral T cell tolerance by antigen-presenting B cells. I. Relevance of antigen presentation persistence. <i>Journal of Immunology</i> , <b>2006</b> , 176, 4012-20	5.3	22
46	Notch4 signaling limits regulatory T-cell-mediated tissue repair and promotes severe lung inflammation in viral infections. <i>Immunity</i> , <b>2021</b> , 54, 1186-1199.e7	32.3	22
45	Inflammatory role of dendritic cells in Amyotrophic Lateral Sclerosis revealed by an analysis of patients' peripheral blood. <i>Scientific Reports</i> , <b>2017</b> , 7, 7853	4.9	21

44	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. <i>Immunome Research</i> , <b>2010</b> , 6, 10		20
43	Viral Respiratory Pathogens and Lung Injury. <i>Clinical Microbiology Reviews</i> , <b>2021</b> , 34,	34	20
42	Wiskott-Aldrich syndrome protein deficiency in natural killer and dendritic cells affects antitumor immunity. <i>European Journal of Immunology</i> , <b>2014</b> , 44, 1039-45	6.1	19
41	The timing of IFN $\gamma$ production affects early innate responses to <i>Listeria monocytogenes</i> and determines the overall outcome of lethal infection. <i>PLoS ONE</i> , <b>2012</b> , 7, e43455	3.7	18
40	Skin infections are eliminated by cooperation of the fibrinolytic and innate immune systems. <i>Science Immunology</i> , <b>2017</b> , 2,	28	17
39	Cream formulation impact on topical administration of engineered colloidal nanoparticles. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126366	3.7	17
38	Image filtering for two-photon deep imaging of lymphonodes. <i>European Biophysics Journal</i> , <b>2008</b> , 37, 979-87	1.9	17
37	The immune response is initiated by dendritic cells via interaction with microorganisms and interleukin-2 production. <i>Journal of Infectious Diseases</i> , <b>2003</b> , 187 Suppl 2, S346-50	7	17
36	The regulatory role of dendritic cells in the immune response. <i>International Archives of Allergy and Immunology</i> , <b>2004</b> , 134, 179-85	3.7	17
35	Migratory conventional dendritic cells in the induction of peripheral T cell tolerance. <i>Journal of Leukocyte Biology</i> , <b>2013</b> , 94, 903-11	6.5	12
34	Natural killer (NK) cell functions can be strongly boosted by activated dendritic cells (DC). <i>European Journal of Immunology</i> , <b>2006</b> , 36, 2819-20	6.1	11
33	Cellular and molecular mechanisms of antifungal innate immunity at epithelial barriers: The role of C-type lectin receptors. <i>European Journal of Immunology</i> , <b>2020</b> , 50, 317-325	6.1	10
32	Dendritic Cells in the Cross Hair for the Generation of Tailored Vaccines. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1484	8.4	10
31	Role of Toll like receptor-activated dendritic cells in the development of autoimmunity. <i>Frontiers in Bioscience - Landmark</i> , <b>2008</b> , 13, 4817-26	2.8	10
30	Interfering with SARS-CoV-2: are interferons friends or foes in COVID-19?. <i>Current Opinion in Virology</i> , <b>2021</b> , 50, 119-127	7.5	10
29	Dendritic Cells and Macrophages: Same Receptors but Different Functions. <i>Current Immunology Reviews</i> , <b>2009</b> , 5, 311-325	1.3	7
28	An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity.. <i>Cell</i> , <b>2022</b> , 185, 614-629.e21	56.2	7
27	Inositol 1,4,5-trisphosphate 3-kinase B promotes Ca mobilization and the inflammatory activity of dendritic cells. <i>Science Signaling</i> , <b>2021</b> , 14,	8.8	7

26	Bariatric surgery, compared to medical treatment, reduces morbidity at all ages but does not reduce mortality in patients aged . <i>Acta Diabetologica</i> , <b>2020</b> , 57, 323-333	3.9	7
25	Are nanotechnological approaches the future of treating inflammatory diseases?. <i>Nanomedicine</i> , <b>2019</b> , 14, 2379-2390	5.6	6
24	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> , <b>2013</b> , 178, 374-82	6.4	6
23	An aluminum hydroxide:CpG adjuvant enhances protection elicited by a SARS-CoV-2 receptor binding domain vaccine in aged mice. <i>Science Translational Medicine</i> , <b>2022</b> , 14,	17.5	6
22	Severity of SARS-CoV-2 infection as a function of the interferon landscape across the respiratory tract of COVID-19 patients <b>2021</b> ,		6
21	Preparation of Single-cell Suspensions for Cytofluorimetric Analysis from Different Mouse Skin Regions. <i>Journal of Visualized Experiments</i> , <b>2016</b> , e52589	1.6	5
20	rBet v 1 immunotherapy of sensitized mice with <i>Streptococcus thermophilus</i> as vehicle and adjuvant. <i>Human Vaccines and Immunotherapeutics</i> , <b>2014</b> , 10, 1228-37	4.4	5
19	Zinc-dependent histone deacetylases drive neutrophil extracellular trap formation and potentiate local and systemic inflammation. <i>IScience</i> , <b>2021</b> , 24, 103256	6.1	5
18	Accumulative difference image protocol for particle tracking in fluorescence microscopy tested in mouse lymphonodes. <i>PLoS ONE</i> , <b>2010</b> , 5, e12216	3.7	4
17	Type III interferons disrupt the lung epithelial barrier upon viral recognition		4
16	Dissecting the common and compartment-specific features of COVID-19 severity in the lung and periphery with single-cell resolution. <i>IScience</i> , <b>2021</b> , 24, 102738	6.1	4
15	Efficient treatment of a preclinical inflammatory bowel disease model with engineered bacteria. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2021</b> , 20, 218-226	6.4	4
14	Deep Dermal Injection As a Model of <i>Candida albicans</i> Skin Infection for Histological Analyses. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	3
13	The nature of activatory and tolerogenic dendritic cell-derived signal 2. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 42	8.4	3
12	The nature of activatory and tolerogenic dendritic cell-derived signal 2. <i>Frontiers in Immunology</i> , <b>2013</b> , 4, 198	8.4	3
11	Microbiome studies in the medical sciences and the need for closer multidisciplinary interplay. <i>Science Signaling</i> , <b>2020</b> , 13,	8.8	3
10	Deep-sea microbes as tools to refine the rules of innate immune pattern recognition. <i>Science Immunology</i> , <b>2021</b> , 6,	28	3
9	Dooming Phagocyte Responses: Inflammatory Effects of Endogenous Oxidized Phospholipids. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 626842	5.7	2

8	An aluminum hydroxide:CpG adjuvant enhances protection elicited by a SARS-CoV-2 receptor-binding domain vaccine in aged mice. <i>Science Translational Medicine</i> , <b>2021</b> , eabj5305	17.5	2
7	Inhibition of transcription factor NFAT activity in activated platelets enhances their aggregation and exacerbates gram-negative bacterial septicemia.. <i>Immunity</i> , <b>2021</b> ,	32.3	1
6	CD14: Not Just Chaperone, But a Key-Player in Inflammation. <i>Agents and Actions Supplements</i> , <b>2021</b> , 57-78	0.2	1
5	An adjuvanted SARS-CoV-2 RBD nanoparticle elicits neutralizing antibodies and fully protective immunity in aged mice		1
4	Modeling leukocyte-leukocyte non-contact interactions in a lymph node. <i>PLoS ONE</i> , <b>2013</b> , 8, e76756	3.7	
3	Gene Profiling of Dendritic cells during HostPathogen Interactions175-197		
2	Transcriptional Profiling of Dendritic Cells in Response to Pathogens <b>2006</b> , 461-486		
1	CD14-dependent and TLR-4-independent Ca <sup>2+</sup> /calcineurin pathway activation by LPS in dendritic cells leading to efficient COX-2 production. <i>FASEB Journal</i> , <b>2008</b> , 22, 672.11	0.9	