

Mariolina Salio

List of Publications by Year in descending order

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97
papers

12,348
citations

38742

50
h-index

39675

94
g-index

111
all docs

111
docs citations

111
times ranked

15898
citing authors

#	ARTICLE	IF	CITATIONS
1	Memory CD8+ T cells vary in differentiation phenotype in different persistent virus infections. <i>Nature Medicine</i> , 2002, 8, 379-385.	30.7	1,432
2	Broad and strong memory CD4+ and CD8+ T cells induced by SARS-CoV-2 in UK convalescent individuals following COVID-19. <i>Nature Immunology</i> , 2020, 21, 1336-1345.	14.5	1,066
3	Maturation, Activation, and Protection of Dendritic Cells Induced by Double-stranded RNA. <i>Journal of Experimental Medicine</i> , 1999, 189, 821-829.	8.5	666
4	Characterization of human DNGR-1+ BDCA3+ leukocytes as putative equivalents of mouse CD8 β + dendritic cells. <i>Journal of Experimental Medicine</i> , 2010, 207, 1261-1271.	8.5	613
5	NKT Cells Enhance CD4+ and CD8+ T Cell Responses to Soluble Antigen In Vivo through Direct Interaction with Dendritic Cells. <i>Journal of Immunology</i> , 2003, 171, 5140-5147.	0.8	445
6	Immune Activation and CD8+ T-Cell Differentiation towards Senescence in HIV-1 Infection. <i>PLoS Biology</i> , 2004, 2, e20.	5.6	399
7	The angiogenesis induced by HIV-1 Tat protein is mediated by the Flk-1/KDR receptor on vascular endothelial cells. <i>Nature Medicine</i> , 1996, 2, 1371-1375.	30.7	363
8	Inhibition of dendritic cell maturation by herpes simplex virus. <i>European Journal of Immunology</i> , 1999, 29, 3245-3253.	2.9	344
9	Harnessing invariant NKT cells in vaccination strategies. <i>Nature Reviews Immunology</i> , 2009, 9, 28-38.	22.7	313
10	Invariant NKT cells reduce the immunosuppressive activity of influenza A virus-induced myeloid-derived suppressor cells in mice and humans. <i>Journal of Clinical Investigation</i> , 2008, 118, 4036-4048.	8.2	299
11	Degradation of T Cell Receptor (TCR) CD3 ζ Complexes after Antigenic Stimulation. <i>Journal of Experimental Medicine</i> , 1997, 185, 1859-1864.	8.5	283
12	Selective Inhibition of Ii-dependent Antigen Presentation by Helicobacter pylori Toxin VacA. <i>Journal of Experimental Medicine</i> , 1998, 187, 135-140.	8.5	270
13	Invariant NKT cells modulate the suppressive activity of IL-10-secreting neutrophils differentiated with serum amyloid A. <i>Nature Immunology</i> , 2010, 11, 1039-1046.	14.5	269
14	Biology of CD1- and MR1-Restricted T Cells. <i>Annual Review of Immunology</i> , 2014, 32, 323-366.	21.8	233
15	Characterization of Siglec-H as a novel endocytic receptor expressed on murine plasmacytoid dendritic cell precursors. <i>Blood</i> , 2006, 107, 3600-3608.	1.4	231
16	The length of lipids bound to human CD1d molecules modulates the affinity of NKT cell TCR and the threshold of NKT cell activation. <i>Journal of Experimental Medicine</i> , 2007, 204, 1131-1144.	8.5	206
17	Dendritic cells: a journey from laboratory to clinic. <i>Nature Immunology</i> , 2004, 5, 7-10.	14.5	194
18	Lytic versus stimulatory synapse in cytotoxic T lymphocyte/target cell interaction: Manifestation of a dual activation threshold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14145-14150.	7.1	190

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19	Plasmacytoid dendritic cells prime IFN γ -secreting melanoma-specific CD8 lymphocytes and are found in primary melanoma lesions. <i>European Journal of Immunology</i> , 2003, 33, 1052-1062.	2.9	184
20	B cell receptor-mediated uptake of CD1d-restricted antigen augments antibody responses by recruiting invariant NKT cell help <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8345-8350.	7.1	178
21	Modulation of human natural killer T cell ligands on TLR-mediated antigen-presenting cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20490-20495.	7.1	173
22	CpG-matured Murine Plasmacytoid Dendritic Cells Are Capable of In Vivo Priming of Functional CD8 T Cell Responses to Endogenous but Not Exogenous Antigens. <i>Journal of Experimental Medicine</i> , 2004, 199, 567-579.	8.5	171
23	Down-regulation of NKG2D and NKp80 ligands by Kaposi's sarcoma-associated herpesvirus K5 protects against NK cell cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1656-1661.	7.1	159
24	The VITAL assay: a versatile fluorometric technique for assessing CTL- and NKT-mediated cytotoxicity against multiple targets <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Immunological Methods</i> , 2004, 285, 25-40.	1.4	156
25	Utilizing the adjuvant properties of CD1d-dependent NK T cells in T cell-mediated immunotherapy. <i>Journal of Clinical Investigation</i> , 2004, 114, 1800-1811.	8.2	150
26	Competition Between CTL Narrows the Immune Response Induced by Prime-Boost Vaccination Protocols. <i>Journal of Immunology</i> , 2002, 168, 4391-4398.	0.8	145
27	Implications for invariant natural killer T cell ligands due to the restricted presence of isoglobotrihexosylceramide in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5971-5976.	7.1	145
28	α -24-J1-Q-Independent, CD1d-Restricted Recognition of α -Galactosylceramide by Human CD4 ⁺ and CD8 α ⁺ T Lymphocytes. <i>Journal of Immunology</i> , 2002, 168, 5514-5520.	0.8	142
29	A Shift in the Phenotype of Melan-A-Specific CTL Identifies Melanoma Patients with an Active Tumor-Specific Immune Response. <i>Journal of Immunology</i> , 2000, 165, 6644-6652.	0.8	128
30	Impaired selection of invariant natural killer T cells in diverse mouse models of glycosphingolipid lysosomal storage diseases. <i>Journal of Experimental Medicine</i> , 2006, 203, 2293-2303.	8.5	127
31	The Regulatory Role of Invariant NKT Cells in Tumor Immunity. <i>Cancer Immunology Research</i> , 2015, 3, 425-435.	3.4	122
32	Intravenous Injection of a Lentiviral Vector Encoding NY-ESO-1 Induces an Effective CTL Response. <i>Journal of Immunology</i> , 2004, 172, 1582-1587.	0.8	106
33	Bee venom processes human skin lipids for presentation by CD1a. <i>Journal of Experimental Medicine</i> , 2015, 212, 149-163.	8.5	98
34	Activation of Human Mucosal-Associated Invariant T Cells Induces CD40L-Dependent Maturation of Monocyte-Derived and Primary Dendritic Cells. <i>Journal of Immunology</i> , 2017, 199, 2631-2638.	0.8	96
35	Essential role for autophagy during invariant NKT cell development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5678-87.	7.1	95
36	Dendritic cell maturation is induced by mycoplasma infection but not by necrotic cells. <i>European Journal of Immunology</i> , 2000, 30, 705-708.	2.9	89

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37	Quantitative Contribution of CD4 and CD8 to T Cell Antigen Receptor Serial Triggering. <i>Journal of Experimental Medicine</i> , 1997, 186, 1775-1779.	8.5	87
38	Dendritic Cell Function Can Be Modulated through Cooperative Actions of TLR Ligands and Invariant NKT Cells. <i>Journal of Immunology</i> , 2007, 178, 2721-2729.	0.8	82
39	Filaggrin inhibits generation of CD1a neolipid antigens by house dust mite-derived phospholipase. <i>Science Translational Medicine</i> , 2016, 8, 325ra18.	12.4	77
40	Utilizing the adjuvant properties of CD1d-dependent NK T cells in T cell-mediated immunotherapy. <i>Journal of Clinical Investigation</i> , 2004, 114, 1800-1811.	8.2	77
41	Cutting Edge: Nonglycosidic CD1d Lipid Ligands Activate Human and Murine Invariant NKT Cells. <i>Journal of Immunology</i> , 2008, 180, 6452-6456.	0.8	76
42	Role of Immunoproteasomes in Cross-Presentation. <i>Journal of Immunology</i> , 2006, 177, 983-990.	0.8	74
43	MR1-Restricted Mucosal-Associated Invariant T Cells and Their Activation during Infectious Diseases. <i>Frontiers in Immunology</i> , 2015, 6, 303.	4.8	66
44	Mature Dendritic Cells Prime Functionally Superior Melan-A-Specific CD8+ Lymphocytes as Compared with Nonprofessional APC. <i>Journal of Immunology</i> , 2001, 167, 1188-1197.	0.8	64
45	The mechanisms controlling NK cell autoreactivity in TAP2-deficient patients. <i>Blood</i> , 2004, 103, 1770-1778.	1.4	62
46	Centriole polarisation to the immunological synapse directs secretion from cytolytic cells of both the innate and adaptive immune systems. <i>BMC Biology</i> , 2011, 9, 45.	3.8	60
47	Agonist-induced T cell receptor down-regulation: molecular requirements and dissociation from T cell activation. <i>European Journal of Immunology</i> , 1997, 27, 1769-1773.	2.9	59
48	Impact of Alpha Interferon and Ribavirin on the Function of Maturing Dendritic Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3382-3389.	3.2	57
49	Hepcidin-Mediated Hypoferremia Disrupts Immune Responses to Vaccination and Infection. <i>Med</i> , 2021, 2, 164-179.e12.	4.4	53
50	Over-expression of CD3 μ transgenes blocks T lymphocyte development. <i>International Immunology</i> , 1995, 7, 435-448.	4.0	51
51	Expression of MHC Class I-Related Chain B (MICB) Molecules on Renal Transplant Biopsies. <i>Transplantation</i> , 2006, 81, 1196-1203.	1.0	51
52	Elevated and cross-responsive CD1a-reactive T cells in bee and wasp venom allergic individuals. <i>European Journal of Immunology</i> , 2016, 46, 242-252.	2.9	51
53	Recent advances in processing and presentation of CD1 bound lipid antigens. <i>Current Opinion in Immunology</i> , 2010, 22, 81-88.	5.5	50
54	Harnessing the Power of Invariant Natural Killer T Cells in Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2017, 8, 1829.	4.8	49

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55	Structural and Functional Aspects of Lipid Binding by CD1 Molecules. <i>Annual Review of Cell and Developmental Biology</i> , 2008, 24, 369-395.	9.4	48
56	Predicting Cross-Reactivity and Antigen Specificity of T Cell Receptors. <i>Frontiers in Immunology</i> , 2020, 11, 565096.	4.8	45
57	Ligand-dependent downregulation of MR1 cell surface expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10465-10475.	7.1	43
58	Efficient priming of antigen-specific cytotoxic T lymphocytes by human cord blood dendritic cells. <i>International Immunology</i> , 2003, 15, 1265-1273.	4.0	42
59	Globosides but Not Isoglobosides Can Impact the Development of Invariant NKT Cells and Their Interaction with Dendritic Cells. <i>Journal of Immunology</i> , 2012, 189, 3007-3017.	0.8	38
60	Saposins modulate human invariant Natural Killer T cells self-reactivity and facilitate lipid exchange with CD1d molecules during antigen presentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4753-61.	7.1	37
61	Cross-reactivity of hepatitis C virus specific vaccine-induced T cells at immunodominant epitopes. <i>European Journal of Immunology</i> , 2015, 45, 309-316.	2.9	34
62	Biological function of the soluble CEACAM1 protein and implications in TAP2-deficient patients. <i>European Journal of Immunology</i> , 2004, 34, 2138-2148.	2.9	32
63	Deletion of the deISGylating enzyme USP18 enhances tumour cell antigenicity and radiosensitivity. <i>British Journal of Cancer</i> , 2021, 124, 817-830.	6.4	31
64	CD1d-dependent endogenous and exogenous lipid antigen presentation. <i>Current Opinion in Immunology</i> , 2015, 34, 116-125.	5.5	30
65	Essential and Partially Overlapping Role of CD3 δ and CD3 ϵ for Development of α B220 ⁺ and α CD3 ϵ T Lymphocytes. <i>Journal of Experimental Medicine</i> , 1998, 188, 1375-1380.	8.5	29
66	Viral Immunity: Cross-Priming with the Help of TLR3. <i>Current Biology</i> , 2005, 15, R336-R339.	3.9	29
67	The actin cytoskeleton modulates the activation of iNKT cells by segregating CD1d nanoclusters on antigen-presenting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E772-81.	7.1	29
68	The Immune Modulating Properties of Mucosal-Associated Invariant T Cells. <i>Frontiers in Immunology</i> , 2020, 11, 1556.	4.8	29
69	Re-evaluation of human BDCA-2+ DC during acute sterile skin inflammation. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	29
70	Clonal analysis of Salmonella-specific effector T cells reveals serovar-specific and cross-reactive T cell responses. <i>Nature Immunology</i> , 2018, 19, 742-754.	14.5	27
71	Heterogeneous disease-propagating stem cells in juvenile myelomonocytic leukemia. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	25
72	The Chemical Synthesis, Stability, and Activity of MAIT Cell Prodrug Agonists That Access MR1 in Recycling Endosomes. <i>ACS Chemical Biology</i> , 2020, 15, 437-445.	3.4	24

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73	The use of HLA class I tetramers to design a vaccination strategy for melanoma patients. <i>Immunological Reviews</i> , 2002, 188, 155-163.	6.0	23
74	A closer look at CD1d molecules: new horizons in studying NKT cells. <i>Trends in Immunology</i> , 2007, 28, 455-462.	6.8	22
75	Nonglycosidic Agonists of Invariant NKT Cells for Use as Vaccine Adjuvants. <i>ChemMedChem</i> , 2009, 4, 171-175.	3.2	22
76	Reply to "Failure to detect production of IL-10 by activated human neutrophils". <i>Nature Immunology</i> , 2011, 12, 1018-1020.	14.5	22
77	Sterile activation of invariant natural killer T cells by ER-stressed antigen-presenting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23671-23681.	7.1	21
78	Binding Strength and Dynamics of Invariant Natural Killer Cell T Cell Receptor/CD1d-Glycosphingolipid Interaction on Living Cells by Single Molecule Force Spectroscopy. <i>Journal of Biological Chemistry</i> , 2011, 286, 15973-15979.	3.4	20
79	Evasion of MAIT cell recognition by the African <i>Salmonella</i> Typhimurium ST313 pathovar that causes invasive disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20717-20728.	7.1	20
80	Chromatin accessibility governs the differential response of cancer and T cells to arginine starvation. <i>Cell Reports</i> , 2021, 35, 109101.	6.4	20
81	Linking Inflammation to Natural Killer T Cell Activation. <i>PLoS Biology</i> , 2009, 7, e1000226.	5.6	17
82	Phage display-derived recombinant antibodies with TCR-like specificity against Î±-galactosylceramide and its analogues in complex with human CD1d molecules. <i>European Journal of Immunology</i> , 2008, 38, 829-840.	2.9	15
83	Regulation of Lipid Specific and Vitamin Specific Non-MHC Restricted T Cells by Antigen Presenting Cells and Their Therapeutic Potentials. <i>Frontiers in Immunology</i> , 2015, 6, 388.	4.8	15
84	Invariant natural killer T cells are not affected by lysosomal storage in patients with Niemann-Pick disease type C. <i>European Journal of Immunology</i> , 2012, 42, 1886-1892.	2.9	14
85	Generation of CD1 tetramers as a tool to monitor glycolipid-specific T cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 875-877.	4.0	12
86	Immunotherapy of colorectal cancer. <i>British Medical Bulletin</i> , 2002, 64, 181-200.	6.9	11
87	CD3-Î¼ Overexpressed in Prothymocytes Acts as an Oncogene. <i>Molecular Medicine</i> , 1997, 3, 72-81.	4.4	8
88	Synthesis of truncated analogues of the iNKT cell agonist, Î±-galactosyl ceramide (KRN7000), and their biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 221-228.	3.0	8
89	A phase I study to assess the safety and tolerability of intravesical pembrolizumab in recurrent non-muscle invasive bladder cancer (NMIBC).. <i>Journal of Clinical Oncology</i> , 2019, 37, 406-406.	1.6	8
90	The P5-type ATPase ATP13A1 modulates major histocompatibility complex I-related protein 1 (MR1)-mediated antigen presentation. <i>Journal of Biological Chemistry</i> , 2022, 298, 101542.	3.4	7

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91	Lack of dendritic cell maturation by the plant toxin ricin. <i>European Journal of Immunology</i> , 2004, 34, 2149-2157.	2.9	5
92	Understanding and modulating the MR1 metabolite antigen presentation pathway. <i>Molecular Immunology</i> , 2021, 129, 121-126.	2.2	4
93	Dendritic cell maturation is induced by mycoplasma infection but not by necrotic cells. , 2000, 30, 705.		4
94	T cell receptors get back to basics. <i>Nature Immunology</i> , 2007, 8, 1033-1035.	14.5	3
95	NKT-dependent B-cell activation in Gaucher disease. <i>Blood</i> , 2015, 125, 1200-1202.	1.4	3
96	Invariant NKT Cell-Based Vaccine Strategies. , 2012, , 39-53.		2
97	Interactions Between MAIT Cells and Dendritic Cells. <i>Methods in Molecular Biology</i> , 2020, 2098, 125-139.	0.9	0