

# Ramon Arens

## List of Publications by Year in descending order

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124  
papers

7,936  
citations

44042

48  
h-index

56687

83  
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141  
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141  
docs citations

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times ranked

12261  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dominant Antiviral CD8+ T Cell Responses Empower Prophylactic Antibody-Eliciting Vaccines Against Cytomegalovirus. <i>Frontiers in Immunology</i> , 2022, 13, 680559.	2.2	4
2	CD161 expression and regulation defines rapidly responding effector CD4+ T cells associated with improved survival in HPV16-associated tumors. , 2022, 10, e003995.		16
3	Targeting pancreatic cancer by TAK-981: a SUMOylation inhibitor that activates the immune system and blocks cancer cell cycle progression in a preclinical model. <i>Gut</i> , 2022, 71, 2266-2283.	6.1	35
4	Editorial: Immunity to Cytomegalovirus Infections: Challenges and Therapeutic Opportunities. <i>Frontiers in Immunology</i> , 2022, 13, 889690.	2.2	0
5	Pyroptosis-inducing active caspase-1 as a genetic adjuvant in anti-cancer DNA vaccination. <i>Vaccine</i> , 2022, 40, 2087-2098.	1.7	10
6	mTORC1 signaling in antigen-presenting cells of the skin restrains CD8+ T cell priming. <i>Cell Reports</i> , 2022, 40, 111032.	2.9	3
7	A third vaccination with a single T cell epitope confers protection in a murine model of SARS-CoV-2 infection. <i>Nature Communications</i> , 2022, 13, .	5.8	29
8	The curious case of IL-33 in homeostasis and infection. <i>European Journal of Immunology</i> , 2021, 51, 60-63.	1.6	1
9	Interleukin-6-mediated resistance to immunotherapy is linked to impaired myeloid cell function. <i>International Journal of Cancer</i> , 2021, 148, 211-225.	2.3	13
10	Functional Heterogeneity and Therapeutic Targeting of Tissue-Resident Memory T Cells. <i>Cells</i> , 2021, 10, 164.	1.8	9
11	Histone methyltransferase DOT1L controls state-specific identity during B cell differentiation. <i>EMBO Reports</i> , 2021, 22, e51184.	2.0	27
12	Memory CD8+ T cell heterogeneity is primarily driven by pathogen-specific cues and additionally shaped by the tissue environment. <i>Science</i> , 2021, 24, 101954.	1.9	7
13	IL-6 signaling in macrophages is required for immunotherapy-driven regression of tumors. , 2021, 9, e002460.		10
14	Cytomegalovirus subverts macrophage identity. <i>Cell</i> , 2021, 184, 3774-3793.e25.	13.5	34
15	Identification of a neo-epitope dominating endogenous CD8 T cell responses to MC-38 colorectal cancer. <i>Oncoimmunology</i> , 2020, 9, 1673125.	2.1	40
16	Host genetics and tumor environment determine the functional impact of neutrophils in mouse tumor models. , 2020, 8, e000877.		7
17	Tissue-resident memory CD8+ T cells shape local and systemic secondary T cell responses. <i>Nature Immunology</i> , 2020, 21, 1070-1081.	7.0	111
18	Reactive oxygen species as an initiator of toxic innate immune responses in retort to SARS-CoV-2 in an ageing population, consider N-acetylcysteine as early therapeutic intervention. <i>Toxicology Reports</i> , 2020, 7, 768-771.	1.6	79

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19	Lack of myeloid cell infiltration as an acquired resistance strategy to immunotherapy. , 2020, 8, e001326.		16
20	Adenoviral vaccines promote protective tissue-resident memory T cell populations against cancer. , 2020, 8, e001133.		12
21	Uncoupling DNA damage from chromatin damage to detoxify doxorubicin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15182-15192.	3.3	93
22	â€˜Reverse evolutionâ€™™ in T cell biology. Nature Immunology, 2020, 21, 360-362.	7.0	2
23	Genetic Screening for Novel Regulators of Immune Checkpoint Molecules. Trends in Immunology, 2020, 41, 692-705.	2.9	2
24	P300/CBP Associated Factor (PCAF) Deficiency Enhances Diet-Induced Atherosclerosis in ApoE3*Leiden Mice via Systemic Inhibition of Regulatory T Cells. Frontiers in Cardiovascular Medicine, 2020, 7, 604821.	1.1	4
25	PD-L1 blockade engages tumor-infiltrating lymphocytes to co-express targetable activating and inhibitory receptors. , 2019, 7, 217.		47
26	CD8+ T Cells Protect During Vein Graft Disease Development. Frontiers in Cardiovascular Medicine, 2019, 6, 77.	1.1	3
27	A poly-neoantigen DNA vaccine synergizes with PD-1 blockade to induce T cell-mediated tumor control. OncoImmunology, 2019, 8, 1652539.	2.1	45
28	The hallmarks of CMV-specific CD8 T-cell differentiation. Medical Microbiology and Immunology, 2019, 208, 365-373.	2.6	71
29	Peripheral and systemic antigens elicit an expandable pool of resident memory CD8<sup>+</sup> T cells in the bone marrow. European Journal of Immunology, 2019, 49, 853-872.	1.6	24
30	Demarcated thresholds of tumor-specific CD8 T cells elicited by MCMV-based vaccine vectors provide robust correlates of protection. , 2019, 7, 25.		25
31	T cell co-stimulation and co-inhibition in cardiovascular disease: a double-edged sword. Nature Reviews Cardiology, 2019, 16, 325-343.	6.1	65
32	Visualization and Quantification of High-Dimensional Cytometry Data using Cytofast and the Upstream Clustering Methods FlowSOM and Cytosplore. Journal of Visualized Experiments, 2019, , .	0.2	4
33	A flexible MHC class I multimer loading system for large-scale detection of antigen-specific T cells. Journal of Experimental Medicine, 2018, 215, 1493-1504.	4.2	33
34	Exhaustion and Inflation at Antipodes of T Cell Responses to Chronic Virus Infection. Trends in Microbiology, 2018, 26, 498-509.	3.5	22
35	Human plasmacytoid dendritic cells acquire phagocytic capacity by TLR9 ligation in the presence of soluble factors produced by renal epithelial cells. Kidney International, 2018, 93, 355-364.	2.6	15
36	<b>T</b> <sub> <b>RM</b></sub> <b>maintenance is regulated by tissue damage via P2RX7</b>. Science Immunology, 2018, 3, .	5.6	103

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37	Cytofast: A workflow for visual and quantitative analysis of flow and mass cytometry data to discover immune signatures and correlations. Computational and Structural Biotechnology Journal, 2018, 16, 435-442.	1.9	45
38	The Contribution of Cytomegalovirus Infection to Immune Senescence Is Set by the Infectious Dose. Frontiers in Immunology, 2018, 8, 1953.	2.2	46
39	Features of Effective T Cell-Inducing Vaccines against Chronic Viral Infections. Frontiers in Immunology, 2018, 9, 276.	2.2	91
40	Impact of congenital cytomegalovirus infection on transcriptomes from archived dried blood spots in relation to long-term clinical outcome. PLoS ONE, 2018, 13, e0200652.	1.1	5
41	OX40 Stimulation Enhances Protective Immune Responses Induced After Vaccination With Attenuated Malaria Parasites. Frontiers in Cellular and Infection Microbiology, 2018, 8, 247.	1.8	21
42	Cytomegalovirus infection and progressive differentiation of effector-memory T cells. F1000Research, 2018, 7, 1554.	0.8	15
43	Fc $\gamma$ RI expression on macrophages is required for antibody-mediated tumor protection by cytomegalovirus-based vaccines. Oncotarget, 2018, 9, 29392-29402.	0.8	10
44	First Evidence of Dysfunctional Antigen-Specific T Cell Responses in Experimental CLL As a Model for Studies of Autologous T Cell-Based Therapies. Blood, 2018, 132, 3694-3694.	0.6	0
45	Inhibition of 14q32 microRNA miR-495 reduces lesion formation, intimal hyperplasia and plasma cholesterol levels in experimental restenosis. Atherosclerosis, 2017, 261, 26-36.	0.4	37
46	Cytomegalovirus infection exacerbates autoimmune mediated neuroinflammation. Scientific Reports, 2017, 7, 663.	1.6	45
47	CD4+ T Cell and NK Cell Interplay Key to Regression of MHC Class IIlow Tumors upon TLR7/8 Agonist Therapy. Cancer Immunology Research, 2017, 5, 642-653.	1.6	37
48	CMV immune evasion and manipulation of the immune system with aging. GeroScience, 2017, 39, 273-291.	2.1	69
49	The importance of correctly timing cancer immunotherapy. Expert Opinion on Biological Therapy, 2017, 17, 87-103.	1.4	26
50	Enforced OX40 Stimulation Empowers Booster Vaccines to Induce Effective CD4+ and CD8+ T Cell Responses against Mouse Cytomegalovirus Infection. Frontiers in Immunology, 2017, 8, 144.	2.2	11
51	Improving Adoptive T Cell Therapy: The Particular Role of T Cell Costimulation, Cytokines, and Post-Transfer Vaccination. Frontiers in Immunology, 2016, 7, 345.	2.2	59
52	The Breadth of Synthetic Long Peptide Vaccine-Induced CD8+ T Cell Responses Determines the Efficacy against Mouse Cytomegalovirus Infection. PLoS Pathogens, 2016, 12, e1005895.	2.1	16
53	Wnt Signaling as Master Regulator of T-Lymphocyte Responses. Transplantation, 2016, 100, 2584-2592.	0.5	19
54	Tumor Eradication by Cisplatin Is Sustained by CD80/86-Mediated Costimulation of CD8+ T Cells. Cancer Research, 2016, 76, 6017-6029.	0.4	108

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55	Vaccination during myeloid cell depletion by cancer chemotherapy fosters robust T cell responses. <i>Science Translational Medicine</i> , 2016, 8, 334ra52.	5.8	164
56	Cytomegalovirus- and Epstein-Barr Virus-Induced T-Cell Expansions in Young Children Do Not Impair Naïve T-cell Populations or Vaccination Responses: The Generation R Study. <i>Journal of Infectious Diseases</i> , 2016, 213, 233-242.	1.9	38
57	Viral Persistence Induces Antibody Inflation without Altering Antibody Avidity. <i>Journal of Virology</i> , 2016, 90, 4402-4411.	1.5	33
58	In Vivo Killing Capacity of Cytotoxic T Cells Is Limited and Involves Dynamic Interactions and T Cell Cooperativity. <i>Immunity</i> , 2016, 44, 233-245.	6.6	199
59	Vaccines for established cancer: overcoming the challenges posed by immune evasion. <i>Nature Reviews Cancer</i> , 2016, 16, 219-233.	12.8	580
60	Murine cytomegalovirus (CMV) infection via the intranasal route offers a robust model of immunity upon mucosal CMV infection. <i>Journal of General Virology</i> , 2016, 97, 185-195.	1.3	35
61	Peptide Processing Is Critical for T-Cell Memory Inflation and May Be Optimized to Improve Immune Protection by CMV-Based Vaccine Vectors. <i>PLoS Pathogens</i> , 2016, 12, e1006072.	2.1	55
62	Therapeutic cancer vaccines. <i>Journal of Clinical Investigation</i> , 2015, 125, 3401-3412.	3.9	640
63	New approaches in vaccine-based immunotherapy for human papillomavirus-induced cancer. <i>Current Opinion in Immunology</i> , 2015, 35, 9-14.	2.4	12
64	CD55 deposited on synovial collagen fibers protects from immune complex-mediated arthritis. <i>Arthritis Research and Therapy</i> , 2015, 17, 6.	1.6	19
65	Enhanced CD8 T Cell Responses through GITR-Mediated Costimulation Resolve Chronic Viral Infection. <i>PLoS Pathogens</i> , 2015, 11, e1004675.	2.1	21
66	Therapeutic Peptide Vaccine-Induced CD8 T Cells Strongly Modulate Intratumoral Macrophages Required for Tumor Regression. <i>Cancer Immunology Research</i> , 2015, 3, 1042-1051.	1.6	68
67	Vaccine-Induced Tumor Necrosis Factor-Producing T Cells Synergize with Cisplatin to Promote Tumor Cell Death. <i>Clinical Cancer Research</i> , 2015, 21, 781-794.	3.2	81
68	The Quantity of Autocrine IL-2 Governs the Expansion Potential of CD8+ T Cells. <i>Journal of Immunology</i> , 2015, 195, 4792-4801.	0.4	34
69	Abatacept decreases disease activity in the absence of CD4+ T cells in a collagen-induced arthritis model. <i>Arthritis Research and Therapy</i> , 2015, 17, 220.	1.6	18
70	The viral context instructs the redundancy of costimulatory pathways in driving CD8+ T cell expansion. <i>ELife</i> , 2015, 4, .	2.8	48
71	The activation of the adaptive immune system: Cross-talk between antigen-presenting cells, T cells and B cells. <i>Immunology Letters</i> , 2014, 162, 103-112.	1.1	110
72	Viral inoculum dose impacts memory T cell inflation. <i>European Journal of Immunology</i> , 2014, 44, 1046-1057.	1.6	73

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73	T Cell Factor 1 Represses CD8+ Effector T Cell Formation and Function. <i>Journal of Immunology</i> , 2014, 193, 5480-5487.	0.4	46
74	Enhanced Cross-Presentation and Improved CD8+ T Cell Responses after Mannosylation of Synthetic Long Peptides in Mice. <i>PLoS ONE</i> , 2014, 9, e103755.	1.1	27
75	The distinct role of T cell costimulation in antiviral immunity. <i>Current Opinion in Virology</i> , 2013, 3, 475-482.	2.6	19
76	Prospects of combinatorial synthetic peptide vaccine-based immunotherapy against cancer. <i>Seminars in Immunology</i> , 2013, 25, 182-190.	2.7	44
77	Local targets for immune therapy to cancer: Tumor draining lymph nodes and tumor microenvironment. <i>International Journal of Cancer</i> , 2013, 132, 1971-1976.	2.3	68
78	Nodular Inflammatory Foci Are Sites of T Cell Priming and Control of Murine Cytomegalovirus Infection in the Neonatal Lung. <i>PLoS Pathogens</i> , 2013, 9, e1003828.	2.1	40
79	Priming of CD8+ T Cells against Cytomegalovirus-Encoded Antigens Is Dominated by Cross-Presentation. <i>Journal of Immunology</i> , 2013, 190, 2767-2777.	0.4	57
80	Predicting the efficacy of cancer vaccines by evaluating T-cell responses. <i>OncolImmunology</i> , 2013, 2, e22616.	2.1	9
81	CD27-CD70 Costimulation Controls T Cell Immunity during Acute and Persistent Cytomegalovirus Infection. <i>Journal of Virology</i> , 2013, 87, 6851-6865.	1.5	66
82	Controlled Local Delivery of CTLA-4 Blocking Antibody Induces CD8+ T-Cell-Dependent Tumor Eradication and Decreases Risk of Toxic Side Effects. <i>Clinical Cancer Research</i> , 2013, 19, 5381-5389.	3.2	172
83	Lysine Acetyltransferase PCAF Is a Key Regulator of Arteriogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1902-1910.	1.1	53
84	Local immunomodulation for cancer therapy: Providing treatment where needed. <i>OncolImmunology</i> , 2013, 2, e26493.	2.1	24
85	Vaccine-Induced Effector-Memory CD8+ T Cell Responses Predict Therapeutic Efficacy against Tumors. <i>Journal of Immunology</i> , 2012, 189, 3397-3403.	0.4	83
86	CD70-Driven Costimulation Induces Survival or Fas-Mediated Apoptosis of T Cells Depending on Antigenic Load. <i>Journal of Immunology</i> , 2012, 188, 4256-4267.	0.4	21
87	Nab2 regulates secondary CD8+ T-cell responses through control of TRAIL expression. <i>Blood</i> , 2012, 119, 798-804.	0.6	21
88	The CD4+ T-cell help signal is transmitted from APC to CD8+ T-cells via CD27-CD70 interactions. <i>Nature Communications</i> , 2012, 3, 948.	5.8	97
89	Interleukin-21 Receptor-Mediated Signals Control Autoreactive T Cell Infiltration in Pancreatic Islets. <i>Immunity</i> , 2012, 36, 1060-1072.	6.6	63
90	Memory T cell inflation: understanding cause and effect. <i>Trends in Immunology</i> , 2012, 33, 84-90.	2.9	140

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91	Rational Design of Vaccines. <i>Advances in Immunology</i> , 2012, 114, 217-243.	1.1	31
92	Polyfunctional CD4+ T Cell Responses to Immunodominant Epitopes Correlate with Disease Activity of Virulent Salmonella. <i>PLoS ONE</i> , 2012, 7, e43481.	1.1	21
93	Modulation of T-Cell Mediated Immunity by Cytomegalovirus. , 2012, , 121-139.		3
94	Autocrine IL-2 is required for secondary population expansion of CD8+ memory T cells. <i>Nature Immunology</i> , 2011, 12, 908-913.	7.0	214
95	Immunotherapy for persistent viral infections and associated disease. <i>Trends in Immunology</i> , 2011, 32, 97-103.	2.9	46
96	Dissecting the Requirements for Maintenance of the CMV-Specific Memory T-Cell Pool. <i>Viral Immunology</i> , 2011, 24, 351-355.	0.6	19
97	Local Activation of CD8 T Cells and Systemic Tumor Eradication without Toxicity via Slow Release and Local Delivery of Agonistic CD40 Antibody. <i>Clinical Cancer Research</i> , 2011, 17, 2270-2280.	3.2	147
98	Differential B7-1/CD28 Costimulatory Requirements for Stable and Inflammatory Mouse Cytomegalovirus-Specific Memory CD8 T Cell Populations. <i>Journal of Immunology</i> , 2011, 186, 3874-3881.	0.4	52
99	B7-Mediated Costimulation of CD4 T Cells Constrains Cytomegalovirus Persistence. <i>Journal of Virology</i> , 2011, 85, 390-396.	1.5	28
100	Sustained antibody responses depend on CD28 function in bone marrow-resident plasma cells. <i>Journal of Experimental Medicine</i> , 2011, 208, 1435-1446.	4.2	156
101	Mucosal memory CD8+ T cells are selected in the periphery by an MHC class I molecule. <i>Nature Immunology</i> , 2011, 12, 1086-1095.	7.0	63
102	B Cell-Specific Expression of B7-2 Is Required for Follicular Th Cell Function in Response to Vaccinia Virus. <i>Journal of Immunology</i> , 2011, 186, 5294-5303.	0.4	68
103	The TNFR family members OX40 and CD27 link viral virulence to protective T cell vaccines in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 296-307.	3.9	65
104	Sustained Antibody Responses Depend on CD28 Function in Bone Marrow Resident Plasma Cells. <i>Blood</i> , 2011, 118, 182-182.	0.6	6
105	Plasticity in programming of effector and memory CD8 <sup>+</sup> T cell formation. <i>Immunological Reviews</i> , 2010, 235, 190-205.	2.8	176
106	Flt3 permits survival during infection by rendering dendritic cells competent to activate NK cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9759-9764.	3.3	38
107	Long Term Humoral Immunity Is Dependent on CD28 Expression In Plasma Cells. <i>Blood</i> , 2010, 116, 1737-1737.	0.6	0
108	Recruitment of Antigen-Specific CD8 <sup>+</sup> T Cells in Response to Infection Is Markedly Efficient. <i>Science</i> , 2009, 325, 1265-1269.	6.0	133

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109	Preferential Use of B7.2 and Not B7.1 in Priming of Vaccinia Virus-Specific CD8 T Cells. <i>Journal of Immunology</i> , 2009, 182, 2909-2918.	0.4	32
110	Protective CD8 T Cell Memory Is Impaired during Chronic CD70-Driven Costimulation. <i>Journal of Immunology</i> , 2009, 182, 5352-5362.	0.4	42
111	Cutting Edge: Murine Cytomegalovirus Induces a Polyfunctional CD4 T Cell Response. <i>Journal of Immunology</i> , 2008, 180, 6472-6476.	0.4	95
112	Dissecting T cell lineage relationships by cellular barcoding. <i>Journal of Experimental Medicine</i> , 2008, 205, 2309-2318.	4.2	107
113	CD27-CD70 interactions sensitise naive CD4+ T cells for IL-12-induced Th1 cell development. <i>International Immunology</i> , 2007, 19, 713-718.	1.8	104
114	IL-12 deficiency transiently improves viral clearance during the late phase of respiratory tract infection with influenza A virus in mice. <i>Antiviral Research</i> , 2006, 70, 75-84.	1.9	14
115	Enhanced viral clearance in interleukin-18 gene-deficient mice after pulmonary infection with influenza A virus. <i>Immunology</i> , 2005, 114, 112-120.	2.0	48
116	Immune activation modulates hematopoiesis through interactions between CD27 and CD70. <i>Nature Immunology</i> , 2005, 6, 412-418.	7.0	56
117	Properties of murine CD8+CD27- T cells. <i>European Journal of Immunology</i> , 2005, 35, 3131-3141.	1.6	57
118	Cutting Edge: CD95 Maintains Effector T Cell Homeostasis in Chronic Immune Activation. <i>Journal of Immunology</i> , 2005, 174, 5915-5920.	0.4	33
119	Tumor Rejection Induced by CD70-mediated Quantitative and Qualitative Effects on Effector CD8+ T Cell Formation. <i>Journal of Experimental Medicine</i> , 2004, 199, 1595-1605.	4.2	136
120	B Cells Are Crucial for Both Development and Maintenance of the Splenic Marginal Zone. <i>Journal of Immunology</i> , 2004, 172, 3620-3627.	0.4	97
121	Signaling through CD70 Regulates B Cell Activation and IgG Production. <i>Journal of Immunology</i> , 2004, 173, 3901-3908.	0.4	106
122	Lethal T cell immunodeficiency induced by chronic costimulation via CD27-CD70 interactions. <i>Nature Immunology</i> , 2003, 4, 49-54.	7.0	214
123	Expression of the Murine CD27 Ligand CD70 In Vitro and In Vivo. <i>Journal of Immunology</i> , 2003, 170, 33-40.	0.4	172
124	Constitutive CD27/CD70 Interaction Induces Expansion of Effector-Type T Cells and Results in IFN $\beta$ -Mediated B Cell Depletion. <i>Immunity</i> , 2001, 15, 801-812.	6.6	224