

# Mark C Poznansky

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

7,290  
citations

94433

37  
h-index

62596

80  
g-index

102  
all docs

102  
docs citations

102  
times ranked

12600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Modeling to Simulate the Effect of Adding Radiation Therapy to Immunotherapy and Application to Hepatocellular Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 1055-1062.	0.8	19
2	mRNA-based COVID-19 vaccine boosters induce neutralizing immunity against SARS-CoV-2 Omicron variant. <i>Cell</i> , 2022, 185, 457-466.e4.	28.9	881
3	Comparative Immunogenicity and Effectiveness of mRNA-1273, BNT162b2, and Ad26.COV2.S COVID-19 Vaccines. <i>Journal of Infectious Diseases</i> , 2022, 225, 1141-1150.	4.0	102
4	Differential Severe Acute Respiratory Syndrome Coronavirus 2 Antibody Profiles After Allergic Reactions to Messenger RNA Coronavirus Disease 2019 Vaccine. <i>Journal of Infectious Diseases</i> , 2022, 226, 1231-1236.	4.0	1
5	Response to Severe Acute Respiratory Syndrome Coronavirus 2 Initial Series and Additional Dose Vaccine in Patients With Predominant Antibody Deficiency. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 1622-1634.e4.	3.8	12
6	Evaluation of a Human T Cell-Targeted Multi-Epitope Vaccine for Q Fever in Animal Models of <i>Coxiella burnetii</i> Immunity. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	7
7	Repertoires of SARS-CoV-2 epitopes targeted by antibodies vary according to severity of COVID-19. <i>Virulence</i> , 2022, 13, 890-902.	4.4	8
8	Abstract 3823: Viral transcript and tumor immune microenvironment-based transcriptomic profiling of HPV-associated head and neck cancer identifies subtypes associated with prognosis. <i>Cancer Research</i> , 2022, 82, 3823-3823.	0.9	0
9	Multiple SARS-CoV-2 variants escape neutralization by vaccine-induced humoral immunity. <i>Cell</i> , 2021, 184, 2372-2383.e9.	28.9	1,166
10	Whole Blood Interferon $\hat{I}^3$ Release Is a More Sensitive Marker of Prior Exposure to <i>Coxiella burnetii</i> Than Are Antibody Responses. <i>Frontiers in Immunology</i> , 2021, 12, 701811.	4.8	4
11	Fresh Tissue Multi-omics Profiling Reveals Immune Classification and Suggests Immunotherapy Candidates for Conventional Chondrosarcoma. <i>Clinical Cancer Research</i> , 2021, 27, 6543-6558.	7.0	5
12	B cells support the repair of injured tissues by adopting MyD88-dependent regulatory functions and phenotype. <i>FASEB Journal</i> , 2021, 35, e22019.	0.5	7
13	Q fever vaccine development: Challenges and progress in balancing safety and efficacy. <i>Cell Reports Medicine</i> , 2021, 2, 100480.	6.5	2
14	Multiple clinically relevant immunotherapies prolong the function of microencapsulated porcine islet xenografts in diabetic NOD mice without the use of anti-CD154 mAb. <i>Xenotransplantation</i> , 2020, 27, e12577.	2.8	6
15	High Seroprevalence of Anti-SARS-CoV-2 Antibodies in Chelsea, Massachusetts. <i>Journal of Infectious Diseases</i> , 2020, 222, 1955-1959.	4.0	72
16	CXCR4 antagonist AMD3100 (plerixafor): From an impurity to a therapeutic agent. <i>Pharmacological Research</i> , 2020, 159, 105010.	7.1	61
17	Non-small cell lung cancer: Analysis using mass cytometry and next generation sequencing reveals new opportunities for the development of personalized therapies.. <i>Journal of Clinical Oncology</i> , 2020, 38, e21026-e21026.	1.6	1
18	Immune functional portraits of head and neck cancer using next generation sequencing.. <i>Journal of Clinical Oncology</i> , 2020, 38, 6561-6561.	1.6	0

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19	Harnessing CXCL12 signaling to protect and preserve functional $\hat{I}^2$ -cell mass and for cell replacement in type 1 diabetes. , 2019, 193, 63-74.		18
20	Coxiella burnetii Epitope-Specific T-Cell Responses in Patients with Chronic Q Fever. Infection and Immunity, 2019, 87, .	2.2	10
21	Intraparenchymal Application of Mature B Lymphocytes Improves Structural and Functional Outcome after Contusion Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 2579-2589.	3.4	20
22	Promiscuous Coxiella burnetii CD4 Epitope Clusters Associated With Human Recall Responses Are Candidates for a Novel T-Cell Targeted Multi-Epitope Q Fever Vaccine. Frontiers in Immunology, 2019, 10, 207.	4.8	33
23	Dual blockade of CXCL12&#x2192;CXCR4 and PD&#x2192;PD&#x2192;1 pathways prolongs survival of ovarian tumor&#x2192;bearing mice by prevention of immunosuppression in the tumor microenvironment. FASEB Journal, 2019, 33, 6596-6608.	0.5	120
24	Alginate-microencapsulation of human stem cell&#x2192;derived $\hat{I}^2$ cells with CXCL12 prolongs their survival and function in immunocompetent mice without systemic immunosuppression. American Journal of Transplantation, 2019, 19, 1930-1940.	4.7	94
25	Preliminary Studies of the Impact of CXCL12 on the Foreign Body Reaction to Pancreatic Islets Microencapsulated in Alginate in Nonhuman Primates. Transplantation Direct, 2019, 5, e447.	1.6	17
26	A pilot clinical trial of a near&#x2192;infrared laser vaccine adjuvant: safety, tolerability, and cutaneous immune cell trafficking. FASEB Journal, 2019, 33, 3074-3081.	0.5	12
27	CD90low MSCs modulate intratumoral immunity to confer antitumor activity in a mouse model of ovarian cancer. Oncotarget, 2019, 10, 4479-4491.	1.8	10
28	AMD3100 Augments the Efficacy of Mesothelin-Targeted, Immune-Activating VIC-008 in Mesothelioma by Modulating Intratumoral Immunosuppression. Cancer Immunology Research, 2018, 6, 539-551.	3.4	29
29	Application and utility of mass cytometry in vaccine development. FASEB Journal, 2018, 32, 5-15.	0.5	22
30	Brief Exposure of Skin to Near-Infrared Laser Modulates Mast Cell Function and Augments the Immune Response. Journal of Immunology, 2018, 201, 3587-3603.	0.8	18
31	Standardized guinea pig model for Q fever vaccine reactogenicity. PLoS ONE, 2018, 13, e0205882.	2.5	20
32	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. Transplantation, 2018, 102, 1223-1229.	1.0	72
33	Epigenetic Regulation of CXCL12 Plays a Critical Role in Mediating Tumor Progression and the Immune Response In Osteosarcoma. Cancer Research, 2018, 78, 3938-3953.	0.9	71
34	Biomechanically primed liver microtumor array as a high-throughput mechanopharmacological screening platform for stroma-reprogrammed combinatorial therapy. Biomaterials, 2017, 124, 12-24.	11.4	25
35	Semiconductor diode laser device adjuvanting intradermal vaccine. Vaccine, 2017, 35, 2404-2412.	3.8	16
36	PD-1 Expression in Head and Neck Squamous Cell Carcinomas Derives Primarily from Functionally Anergic CD4+ TILs in the Presence of PD-L1+ TAMs. Cancer Research, 2017, 77, 6365-6374.	0.9	77

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37	Mature B cells accelerate wound healing after acute and chronic diabetic skin lesions. <i>Wound Repair and Regeneration</i> , 2017, 25, 774-791.	3.0	84
38	Q-vaxcelerate: A distributed development approach for a new <i>Coxiella burnetii</i> vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 2977-2981.	3.3	22
39	CXCR4 blockade with AMD3100 enhances Taxol chemotherapy to limit ovarian cancer cell growth. <i>Anti-Cancer Drugs</i> , 2017, 28, 935-942.	1.4	29
40	Near-Infrared 1064 nm Laser Modulates Migratory Dendritic Cells To Augment the Immune Response to Intradermal Influenza Vaccine. <i>Journal of Immunology</i> , 2017, 199, 1319-1332.	0.8	24
41	Ruxolitinib sensitizes ovarian cancer to reduced dose Taxol, limits tumor growth and improves survival in immune competent mice. <i>Oncotarget</i> , 2017, 8, 94040-94053.	1.8	14
42	Adult-Onset Still's Disease: Still a Serious Health Problem (a Case Report and Literature Review). <i>American Journal of Case Reports</i> , 2017, 18, 119-124.	0.8	11
43	Classification of Laser Vaccine Adjuvants. <i>Journal of Vaccines &amp; Vaccination</i> , 2016, 07, .	0.3	17
44	Immune Profiling of <i>Coxiella burnetii</i> Infection by Mass Cytometry. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.9	0
45	A Critical Reappraisal of Prolonged Neutropenia as a Risk Factor for Invasive Pulmonary Aspergillosis. <i>Open Forum Infectious Diseases</i> , 2016, 3, ofw036.	0.9	21
46	Human Neutrophils Are Primed by Chemoattractant Gradients for Blocking the Growth of <i>Aspergillus fumigatus</i> . <i>Journal of Infectious Diseases</i> , 2016, 213, 465-475.	4.0	34
47	VaxCelerate II: Rapid development of a self-assembling vaccine for Lassa fever. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 3022-3038.	3.3	23
48	Laser vaccine adjuvants. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 1892-1907.	3.3	38
49	A novel mycobacterial Hsp70-containing fusion protein targeting mesothelin augments antitumor immunity and prolongs survival in murine models of ovarian cancer and mesothelioma. <i>Journal of Hematology and Oncology</i> , 2014, 7, 15.	17.0	34
50	Near-Infrared Laser Adjuvant for Influenza Vaccine. <i>PLoS ONE</i> , 2013, 8, e82899.	2.5	39
51	Vaccination of Oncology Patients: An Effective Tool and an Opportunity Not to Be Missed. <i>Oncologist</i> , 2012, 17, 1-2.	3.7	8
52	Accelerated vaccine development against emerging infectious diseases. <i>Human Vaccines and Immunotherapeutics</i> , 2012, 8, 1010-1012.	3.3	2
53	Vascular normalizing doses of antiangiogenic treatment reprogram the immunosuppressive tumor microenvironment and enhance immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17561-17566.	7.1	800
54	R5-SHIV Induces Multiple Defects in T Cell Function during Early Infection of Rhesus Macaques Including Accumulation of T Reg Cells in Lymph Nodes. <i>PLoS ONE</i> , 2011, 6, e18465.	2.5	12

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55	CXCL12/CXCR4 Blockade Induces Multimodal Antitumor Effects That Prolong Survival in an Immunocompetent Mouse Model of Ovarian Cancer. <i>Cancer Research</i> , 2011, 71, 5522-5534.	0.9	206
56	R5 Clade C SHIV Strains with Tier 1 or 2 Neutralization Sensitivity: Tools to Dissect Env Evolution and to Develop AIDS Vaccines in Primate Models. <i>PLoS ONE</i> , 2010, 5, e11689.	2.5	52
57	Relative Transmissibility of an R5 Clade C Simian-Human Immunodeficiency Virus Across Different Mucosae in Macaques Parallels the Relative Risks of Sexual HIV-1 Transmission in Humans via Different Routes. <i>Journal of Infectious Diseases</i> , 2010, 201, 1155-1163.	4.0	60
58	Methods for Quantitation of Leukocyte Chemotaxis and Fugetaxis. <i>Methods in Molecular Biology</i> , 2010, 616, 115-124.	0.9	1
59	X4 Human Immunodeficiency Virus Type 1 gp120 Down-Modulates Expression and Immunogenicity of Codelivered Antigens. <i>Journal of Virology</i> , 2009, 83, 10941-10950.	3.4	11
60	Dynamic alterations in chemokine gradients induce transendothelial shuttling of human T cells under physiologic shear conditions. <i>Journal of Leukocyte Biology</i> , 2009, 86, 1285-1294.	3.3	20
61	HIV-1 Envelope Protein gp120 Is Present at High Concentrations in Secondary Lymphoid Organs of Individuals with Chronic HIV-1 Infection. <i>Journal of Infectious Diseases</i> , 2009, 200, 1050-1053.	4.0	68
62	Bone Marrow-Derived B Cells Preserve Ventricular Function After Acute Myocardial Infarction. <i>JACC: Cardiovascular Interventions</i> , 2009, 2, 1005-1016.	2.9	49
63	Correlation of CXCL12 Expression and FoxP3+ Cell Infiltration with Human Papillomavirus Infection and Clinicopathological Progression of Cervical Cancer. <i>American Journal of Pathology</i> , 2009, 175, 1525-1535.	3.8	66
64	Reverse leukocyte migration can be attractive or repulsive. <i>Trends in Cell Biology</i> , 2008, 18, 298-306.	7.9	61
65	The Efficacy of T Cell-Mediated Immune Responses Is Reduced by the Envelope Protein of the Chimeric HIV-1/SIV-KB9 Virus In Vivo. <i>Journal of Immunology</i> , 2008, 181, 5510-5521.	0.8	18
66	Immune Responses to HIV Gp120 that Facilitate Viral Escape. <i>Current HIV Research</i> , 2007, 5, 47-54.	0.5	15
67	Long-term Survival of Transplanted Allogeneic Cells Engineered to Express a T Cell Chemorepellent. <i>Transplantation</i> , 2007, 83, 174-183.	1.0	32
68	Generation of a Tissue-Engineered Thymic Organoid. <i>Methods in Molecular Biology</i> , 2007, 380, 163-170.	0.9	3
69	Microfluidic system for measuring neutrophil migratory responses to fast switches of chemical gradients. <i>Lab on A Chip</i> , 2006, 6, 191-198.	6.0	168
70	Stem cell engraftment at the endosteal niche is specified by the calcium-sensing receptor. <i>Nature</i> , 2006, 439, 599-603.	27.8	664
71	Neutrophil chemorepulsion in defined interleukin-8 gradients in vitro and in vivo. <i>Journal of Leukocyte Biology</i> , 2006, 79, 539-554.	3.3	107
72	Murine B16 Melanomas Expressing High Levels of the Chemokine Stromal-Derived Factor-1/CXCL12 Induce Tumor-Specific T Cell Chemorepulsion and Escape from Immune Control. <i>Journal of Immunology</i> , 2006, 176, 2902-2914.	0.8	105

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73	A CXCR4-Dependent Chemorepellent Signal Contributes to the Emigration of Mature Single-Positive CD4 Cells from the Fetal Thymus. <i>Journal of Immunology</i> , 2005, 175, 5115-5125.	0.8	63
74	Fugetaxis: active movement of leukocytes away from a chemokinetic agent. <i>Journal of Molecular Medicine</i> , 2005, 83, 752-763.	3.9	55
75	Migration of Antigen-Specific T Cells Away from CXCR4-Binding Human Immunodeficiency Virus Type 1 gp120. <i>Journal of Virology</i> , 2004, 78, 5184-5193.	3.4	29
76	T <sub>H</sub> 1 lymphocyte development and models of thymopoietic reconstitution. <i>Transplant Infectious Disease</i> , 2003, 5, 38-42.	1.7	6
77	Heterologous cells cooperate to augment stem cell migration, homing, and engraftment. <i>Blood</i> , 2003, 101, 45-51.	1.4	46
78	Thymocyte emigration is mediated by active movement away from stroma-derived factors. <i>Journal of Clinical Investigation</i> , 2002, 109, 1101-1110.	8.2	86
79	Thymocyte emigration is mediated by active movement away from stroma-derived factors. <i>Journal of Clinical Investigation</i> , 2002, 109, 1101-1110.	8.2	43
80	Changing patterns of presentations of patients with HIV-related disease at a tertiary referral centre and its implications for physician training. <i>International Journal of STD and AIDS</i> , 2001, 12, 453-459.	1.1	7
81	Active movement of T cells away from a chemokine. <i>Nature Medicine</i> , 2000, 6, 543-548.	30.7	283
82	Efficient generation of human T cells from a tissue-engineered thymic organoid. <i>Nature Biotechnology</i> , 2000, 18, 729-734.	17.5	156
83	Extracellular calcium elicits a chemokinetic response from monocytes in vitro and in vivo. <i>Journal of Clinical Investigation</i> , 2000, 105, 1299-1305.	8.2	132
84	The in Vivo Effects of Combination Antiretroviral Drug Therapy on Peripheral Blood CD34+ Cell Colony-Forming Units from HIV Type 1-Infected Patients. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 551-559.	1.1	13
85	Inhibition of Human Immunodeficiency Virus Replication and Growth Advantage of CD4+T Cells and Monocytes Derived from CD34+ Cells Transduced with an Intracellular Antibody Directed against Human Immunodeficiency Virus Type 1 Tat. <i>Human Gene Therapy</i> , 1999, 10, 2505-2514.	2.7	20
86	Isolation and Transduction of CD34+ Cells From Small Quantities of Peripheral Blood From HIV-1-Infected Patients Not Treated With Hemopoietic Growth Factors. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 1999, 21, 1-8.	2.1	7
87	Efficiency of a high-titer retroviral vector for gene transfer into skeletal myoblasts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998, 115, 1-8.	0.8	15
88	Inhibition of Human Immunodeficiency Virus Replication and Growth Advantage of CD4+T Cells from HIV-Infected Individuals That Express Intracellular Antibodies Against HIV-1 gp120 or Tat. <i>Human Gene Therapy</i> , 1998, 9, 487-496.	2.7	38
89	The development of a gene therapy. <i>International Journal of STD and AIDS</i> , 1997, 8, 145-148.	1.1	0
90	HIV positive patients first presenting with an AIDS defining illness: characteristics and survival. <i>BMJ: British Medical Journal</i> , 1995, 311, 156-158.	2.3	55

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91	Resistance to Methylprednisolone in Cultures of Blood Mononuclear Cells from Glucocorticoid-Resistant Asthmatic Patients. <i>Clinical Science</i> , 1984, 67, 639-645.	4.3	90
92	Transbilayer movement of cholesterol in dipalmitoyllecithinâ€“cholesterol vesicles. <i>Nature</i> , 1976, 259, 420-422.	27.8	84
93	Generation of a Tissue-Engineered Thymic Organoid. , 0, , 163-170.		0
94	Natural Exposure- and Vaccination-Induced Profiles of Ex Vivo Whole Blood Cytokine Responses to <i>Coxiella burnetii</i> . <i>Frontiers in Immunology</i> , 0, 13, .	4.8	3