Mark C Poznansky

List of Publications by Year
in descending order

94	7,290	94433 37	62596 80
papers	citations	h-index	g-index

102	102	102	12600
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple SARS-CoV-2 variants escape neutralization by vaccine-induced humoral immunity. Cell, 2021, 184, 2372-2383.e9.	28.9	1,166
2	mRNA-based COVID-19 vaccine boosters induce neutralizing immunity against SARS-CoV-2 Omicron variant. Cell, 2022, 185, 457-466.e4.	28.9	881
3	Vascular normalizing doses of antiangiogenic treatment reprogram the immunosuppressive tumor microenvironment and enhance immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17561-17566.	7.1	800
4	Stem cell engraftment at the endosteal niche is specified by the calcium-sensing receptor. Nature, 2006, 439, 599-603.	27.8	664
5	Active movement of T cells away from a chemokine. Nature Medicine, 2000, 6, 543-548.	30.7	283
6	CXCL12/CXCR4 Blockade Induces Multimodal Antitumor Effects That Prolong Survival in an Immunocompetent Mouse Model of Ovarian Cancer. Cancer Research, 2011, 71, 5522-5534.	0.9	206
7	Microfluidic system for measuring neutrophil migratory responses to fast switches of chemical gradients. Lab on A Chip, 2006, 6, 191-198.	6.0	168
8	Efficient generation of human T cells from a tissue-engineered thymic organoid. Nature Biotechnology, 2000, 18, 729-734.	17.5	156
9	Extracellular calcium elicits a chemokinetic response from monocytes in vitro and in vivo. Journal of Clinical Investigation, 2000, 105, 1299-1305.	8.2	132
10	Dual blockade of CXCL12â€CXCR4 and PDâ€1â€“PDâ€L1 pathways prolongs survival of ovarian tumorâ€“bearing mice by prevention of immunosuppression in the tumor microenvironment. FASEB Journal, 2019, 33, 6596-6608.	0.5	120
11	Neutrophil chemorepulsion in defined interleukin-8 gradients in vitro and in vivo. Journal of Leukocyte Biology, 2006, 79, 539-554.	3.3	107
12	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. Journal of Immunology, 2006, 176, 2902-2914.	0.8	105
13	Comparative Immunogenicity and Effectiveness of mRNA-1273, BNT162b2, and Ad26.COV2.S COVID-19 Vaccines. Journal of Infectious Diseases, 2022, 225, 1141-1150.	4.0	102
14	Alginate-microencapsulation of human stem cellâ€derived Î² 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
15	Resistance to Methylprednisolone in Cultures of Blood Mononuclear Cells from Glucocorticoid-Resistant Asthmatic Patients. Clinical Science, 1984, 67, 639-645.	4.3	90
16	Thymocyte emigration is mediated by active movement away from stroma-derived factors. Journal of Clinical Investigation, 2002, 109, 1101-1110.	8.2	86
17	Transbilayer movement of cholesterol in dipalmitoyllecithinâ€cholesterol vesicles. Nature, 1976, 259, 420-422.	27.8	84
18	Mature B cells accelerate wound healing after acute and chronic diabetic skin lesions. Wound Repair and Regeneration, 2017, 25, 774-791.	3.0	84

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19	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
20	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. Transplantation, 2018, 102, 1223-1229.	1.0	72
21	High Seroprevalence of Anti-SARS-CoV-2 Antibodies in Chelsea, Massachusetts. Journal of Infectious Diseases, 2020, 222, 1955-1959.	4.0	72
22	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
23	HIVâ€1 Envelope Protein gp120 Is Present at High Concentrations in Secondary Lymphoid Organs of Individuals with Chronic HIVâ€1 Infection. Journal of Infectious Diseases, 2009, 200, 1050-1053.	4.0	68
24	Correlation of CXCL12 Expression and FoxP3+ Cell Infiltration with Human Papillomavirus Infection and Clinicopathological Progression of Cervical Cancer. American Journal of Pathology, 2009, 175, 1525-1535.	3.8	66
25	A CXCR4-Dependent Chemorepellent Signal Contributes to the Emigration of Mature Single-Positive CD4 Cells from the Fetal Thymus. Journal of Immunology, 2005, 175, 5115-5125.	0.8	63
26	Reverse leukocyte migration can be attractive or repulsive. Trends in Cell Biology, 2008, 18, 298-306.	7.9	61
27	CXCR4 antagonist AMD3100 (plerixafor): From an impurity to a therapeutic agent. Pharmacological Research, 2020, 159, 105010.	7.1	61
28	Relative Transmissibility of an R5 Clade C Simianâ€Human Immunodeficiency Virus Across Different Mucosae in Macaques Parallels the Relative Risks of Sexual HIVâ€1 Transmission in Humans via Different Routes. Journal of Infectious Diseases, 2010, 201, 1155-1163.	4.0	60
29	Fugetaxis: active movement of leukocytes away from a chemokinetic agent. Journal of Molecular Medicine, 2005, 83, 752-763.	3.9	55
30	HIV positive patients first presenting with an AIDS defining illness: characteristics and survival. BMJ: British Medical Journal, 1995, 311, 156-158.	2.3	55
31	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. PLoS ONE, 2010, 5, e11689.	2.5	52
32	Bone Marrow-Derived B Cells Preserve Ventricular Function After Acute Myocardial Infarction. JACC: Cardiovascular Interventions, 2009, 2, 1005-1016.	2.9	49
33	Heterologous cells cooperate to augment stem cell migration, homing, and engraftment. Blood, 2003, 101, 45-51.	1.4	46
34	Thymocyte emigration is mediated by active movement away from stroma-derived factors. Journal of Clinical Investigation, 2002, 109, 1101-1110.	8.2	43
35	Near-Infrared Laser Adjuvant for Influenza Vaccine. PLoS ONE, 2013, 8, e82899.	2.5	39
36	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. Human Gene Therapy, 1998, 9, 487-496.	2.7	38

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37	Laser vaccine adjuvants. Human Vaccines and Immunotherapeutics, 2014, 10, 1892-1907.	3.3	38
38	A novel mycobacterial Hsp70-containing fusion protein targeting mesothelin augments antitumor immunity and prolongs survival in murine models of ovarian cancer and mesothelioma. Journal of Hematology and Oncology, 2014, 7, 15.	17.0	34
39	Human Neutrophils Are Primed by Chemoattractant Gradients for Blocking the Growth ofAspergillus fumigatus. Journal of Infectious Diseases, 2016, 213, 465-475.	4.0	34
40	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
41	Long-term Survival of Transplanted Allogeneic Cells Engineered to Express a T Cell Chemorepellent. Transplantation, 2007, 83, 174-183.	1.0	32
42	Migration ofAntigen-Specific T Cells Away from CXCR4-Binding Human ImmunodeficiencyVirus Type 1gp120. Journal of Virology, 2004, 78, 5184-5193.	3.4	29
43	CXCR4 blockade with AMD3100 enhances Taxol chemotherapy to limit ovarian cancer cell growth. Anti-Cancer Drugs, 2017, 28, 935-942.	1.4	29
44	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
45	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
46	Near-Infrared 1064 nm Laser Modulates Migratory Dendritic Cells To Augment the Immune Response to Intradermal Influenza Vaccine. Journal of Immunology, 2017, 199, 1319-1332.	0.8	24
47	VaxCelerate II: Rapid development of a self-assembling vaccine for Lassa fever. Human Vaccines and Immunotherapeutics, 2014, 10, 3022-3038.	3.3	23
48	Q-vaxcelerate: A distributed development approach for a new Coxiella burnetii vaccine. Human Vaccines and Immunotherapeutics, 2017, 13, 2977-2981.	3.3	22
49	Application and utility of mass cytometry in vaccine development. FASEB Journal, 2018, 32, 5-15.	0.5	22
50	A Critical Reappraisal of Prolonged Neutropenia as a Risk Factor for Invasive Pulmonary Aspergillosis. Open Forum Infectious Diseases, 2016, 3, ofw036.	0.9	21
51	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. Human Gene Therapy, 1999, 10, 2505-2514.	2.7	20
52	Dynamic alterations in chemokine gradients induce transendothelial shuttling of human T cells under physiologic shear conditions. Journal of Leukocyte Biology, 2009, 86, 1285-1294.	3.3	20
53	Standardized guinea pig model for Q fever vaccine reactogenicity. PLoS ONE, 2018, 13, e0205882.	2.5	20
54	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

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55	Mathematical Modeling to Simulate the Effect of Adding Radiation Therapy to Immunotherapy and Application to Hepatocellular Carcinoma. International Journal of Radiation Oncology Biology Physics, 2022, 112, 1055-1062.	0.8	19
56	The Efficacy of T Cell-Mediated Immune Responses Is Reduced by the Envelope Protein of the Chimeric HIV-1/SIV-KB9 Virus In Vivo. Journal of Immunology, 2008, 181, 5510-5521.	0.8	18
57	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
58	Harnessing CXCL12 signaling to protect and preserve functional Î²-cell mass and for cell replacement in type 1 diabetes. , 2019, 193, 63-74.		18
59	Classification of Laser Vaccine Adjuvants. Journal of Vaccines & Vaccination, 2016, 07, .	0.3	17
60	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
61	Semiconductor diode laser device adjuvanting intradermal vaccine. Vaccine, 2017, 35, 2404-2412.	3.8	16
62	Efficiency of a high-titer retroviral vector for gene transfer into skeletal myoblasts. Journal of Thoracic and Cardiovascular Surgery, 1998, 115, 1-8.	0.8	15
63	Immune Responses to HIV Gp120 that Facilitate Viral Escape. Current HIV Research, 2007, 5, 47-54.	0.5	15
64	Ruxolitinib sensitizes ovarian cancer to reduced dose Taxol, limits tumor growth and improves survival in immune competent mice. Oncotarget, 2017, 8, 94040-94053.	1.8	14
65	The in Vivo Effects of Combination Antiretroviral Drug Therapy on Peripheral Blood CD34+ Cell Colony-Forming Units from HIV Type 1-Infected Patients. AIDS Research and Human Retroviruses, 1999, 15, 551-559.	1.1	13
66	R5-SHIV Induces Multiple Defects in T Cell Function during Early Infection of Rhesus Macaques Including Accumulation of T Reg Cells in Lymph Nodes. PLoS ONE, 2011, 6, e18465.	2.5	12
67	A pilot clinical trial of a nearâ€infrared laser vaccine adjuvant: safety, tolerability, and cutaneous immune cell trafficking. FASEB Journal, 2019, 33, 3074-3081.	0.5	12
68	Response to Severe Acute Respiratory Syndrome Coronavirus 2 Initial Series and Additional Dose Vaccine in Patients With Predominant Antibody Deficiency. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 1622-1634.e4.	3.8	12
69	X4 Human Immunodeficiency Virus Type 1 gp120 Down-Modulates Expression and Immunogenicity of Codelivered Antigens. Journal of Virology, 2009, 83, 10941-10950.	3.4	11
70	Adult-Onset Stillâ€™s Disease: Still a Serious Health Problem (a Case Report and Literature Review). American Journal of Case Reports, 2017, 18, 119-124.	0.8	11
71	Coxiella burnetii Epitope-Specific T-Cell Responses in Patients with Chronic Q Fever. Infection and Immunity, 2019, 87, .	2.2	10
72	CD90low MSCs modulate intratumoral immunity to confer antitumor activity in a mouse model of ovarian cancer. Oncotarget, 2019, 10, 4479-4491.	1.8	10

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73	Vaccination of Oncology Patients: An Effective Tool and an Opportunity Not to Be Missed. Oncologist, 2012, 17, 1-2.	3.7	8
74	Repertoires of SARS-CoV-2 epitopes targeted by antibodies vary according to severity of COVID-19. Virulence, 2022, 13, 890-902.	4.4	8
75	Isolation and Transduction of CD34+ Cells From Small Quantities of Peripheral Blood From HIV-1-Infected Patients Not Treated With Hemopoietic Growth Factors. Journal of Acquired Immune Deficiency Syndromes (1999), 1999, 21, 1-8.	2.1	7
76	Changing patterns of presentations of patients with HIV-related disease at a tertiary referral centre and its implications for physician training. International Journal of STD and AIDS, 2001, 12, 453-459.	1.1	7
77	B cells support the repair of injured tissues by adopting MyD88â€dependent regulatory functions and phenotype. FASEB Journal, 2021, 35, e22019.	0.5	7
78	Evaluation of a Human T Cell-Targeted Multi-Epitope Vaccine for Q Fever in Animal Models of Coxiella burnetii Immunity. Frontiers in Immunology, 2022, 13, .	4.8	7
79	Tâ€lymphocyte development and models of thymopoietic reconstitution. Transplant Infectious Disease, 2003, 5, 38-42.	1.7	6
80	Multiple clinically relevant immunotherapies prolong the function of microencapsulated porcine islet xenografts in diabetic NOD mice without the use of antiâ€CD154 mAb. Xenotransplantation, 2020, 27, e12577.	2.8	6
81	Fresh Tissue Multi-omics Profiling Reveals Immune Classification and Suggests Immunotherapy Candidates for Conventional Chondrosarcoma. Clinical Cancer Research, 2021, 27, 6543-6558.	7.0	5
82	Whole Blood Interferon Î³ Release Is a More Sensitive Marker of Prior Exposure to Coxiella burnetii Than Are Antibody Responses. Frontiers in Immunology, 2021, 12, 701811.	4.8	4
83	Generation of a Tissue-Engineered Thymic Organoid. Methods in Molecular Biology, 2007, 380, 163-170.	0.9	3
84	Natural Exposure- and Vaccination-Induced Profiles of Ex Vivo Whole Blood Cytokine Responses to Coxiella burnetii. Frontiers in Immunology, 0, 13, .	4.8	3
85	Accelerated vaccine development against emerging infectious diseases. Human Vaccines and Immunotherapeutics, 2012, 8, 1010-1012.	3.3	2
86	Q fever vaccine development: Challenges and progress in balancing safety and efficacy. Cell Reports Medicine, 2021, 2, 100480.	6.5	2
87	Methods for Quantitation of Leukocyte Chemotaxis and Fugetaxis. Methods in Molecular Biology, 2010, 616, 115-124.	0.9	1
88	Non-small cell lung cancer: Analysis using mass cytometry and next generation sequencing reveals new opportunities for the development of personalized therapies.. Journal of Clinical Oncology, 2020, 38, e21026-e21026.	1.6	1
89	Differential Severe Acute Respiratory Syndrome Coronavirus 2 Antibody Profiles After Allergic Reactions to Messenger RNA Coronavirus Disease 2019 Vaccine. Journal of Infectious Diseases, 2022, 226, 1231-1236.	4.0	1
90	The development of a gene therapy. International Journal of STD and AIDS, 1997, 8, 145-148.	1.1	0

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91	Immune Profiling of Coxiella burnetii Infection by Mass Cytometry. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
92	Immune functional portraits of head and neck cancer using next generation sequencing.. Journal of Clinical Oncology, 2020, 38, 6561-6561.	1.6	0
93	Generation of a Tissue-Engineered Thymic Organoid. , 0, , 163-170.		0
94	Abstract 3823: Viral transcript and tumor immune microenvironment-based transcriptomic profiling of HPV-associated head and neck cancer identifies subtypes associated with prognosis. Cancer Research, 2022, 82, 3823-3823.	0.9	0