James J Moon

List of Publications by Year
in descending order

104 papers	12,165 citations	41344 49 h-index	30087 103 g-index
105 all docs	105 docs citations	105 times ranked	16640 citing authors

#	Article	IF	Citations
1	Naive CD4+ T Cell Frequency Varies for Different Epitopes and Predicts Repertoire Diversity and Response Magnitude. Immunity, 2007, 27, 203-213.	14.3	857
2	Designer vaccine nanodiscs for personalized cancer immunotherapy. Nature Materials, 2017, 16, 489-496.	27.5	817
3	Cancer nanomedicine for combination cancer immunotherapy. Nature Reviews Materials, 2019, 4, 398-414.	48.7	658
4	Therapeutic cell engineering with surface-conjugated synthetic nanoparticles. Nature Medicine, 2010, 16, 1035-1041.	30.7	599
5	Interbilayer-crosslinked multilamellar vesicles as synthetic vaccines for potent humoral and cellular immune responses. Nature Materials, 2011, 10, 243-251.	27.5	498
6	A Wave of Regulatory T Cells into Neonatal Skin Mediates Tolerance to Commensal Microbes. Immunity, 2015, 43, 1011-1021.	14.3	424
7	CXCR3 Chemokine Receptor-Ligand Interactions in the Lymph Node Optimize CD4+ T Helper 1 Cell Differentiation. Immunity, 2012, 37, 1091-1103.	14.3	376
8	Linked T Cell Receptor and Cytokine Signaling GovernÂthe Development of the Regulatory T Cell Repertoire. Immunity, 2008, 28, 112-121.	14.3	356
9	Akkermansia muciniphila induces intestinal adaptive immune responses during homeostasis. Science, 2019, 364, 1179-1184.	12.6	347
10	Naive and Memory CD4+ T Cell Survival Controlled by Clonal Abundance. Science, 2006, 312, 114-116.	12.6	316
11	Enhancing humoral responses to a malaria antigen with nanoparticle vaccines that expand T _{fh} cells and promote germinal center induction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1080-1085.	7.1	291
12	The Role of Naive T Cell Precursor Frequency and Recruitment in Dictating Immune Response Magnitude. Journal of Immunology, 2012, 188, 4135-4140.	0.8	280
13	Elimination of established tumors with nanodisc-based combination chemoimmunotherapy. Science Advances, 2018, 4, eaao1736.	10.3	269
14	Tracking epitope-specific T cells. Nature Protocols, 2009, 4, 565-581.	12.0	263
15	High-Density Lipoproteins: Natureâ€™s Multifunctional Nanoparticles. ACS Nano, 2016, 10, 3015-3041.	14.6	255
16	New Role for Shc in Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway. Molecular and Cellular Biology, 2000, 20, 7109-7120.	2.3	241
17	Nanoparticle Drug Delivery Systems Designed to Improve Cancer Vaccines and Immunotherapy. Vaccines, 2015, 3, 662-685.	4.4	225
18	Interleukin-2-Dependent Allergen-Specific Tissue-Resident Memory Cells Drive Asthma. Immunity, 2016, 44, 155-166.	14.3	223

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19	On the Composition of the Preimmune Repertoire of T Cells Specific for Peptideâ€“Major Histocompatibility Complex Ligands. Annual Review of Immunology, 2010, 28, 275-294.	21.8	212
20	CD4 + T Cell Tolerance to Tissue-Restricted Self Antigens Is Mediated by Antigen-Specific Regulatory T Cells Rather Than Deletion. Immunity, 2015, 43, 896-908.	14.3	205
21	Immunogenic Cell Death Amplified by Co-localized Adjuvant Delivery for Cancer Immunotherapy. Nano Letters, 2017, 17, 7387-7393.	9.1	184
22	Differential IL-2 expression defines developmental fates of follicular versus nonfollicular helper T cells. Science, 2018, 361, .	12.6	173
23	Releasable Layer-by-Layer Assembly of Stabilized Lipid Nanocapsules on Microneedles for Enhanced Transcutaneous Vaccine Delivery. ACS Nano, 2012, 6, 8041-8051.	14.6	170
24	Distinct functions of antigen-specific CD4 T cells during murineMycobacterium tuberculosisinfection. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19408-19413.	7.1	163
25	Generation of Effector Memory T Cellâ€“Based Mucosal and Systemic Immunity with Pulmonary Nanoparticle Vaccination. Science Translational Medicine, 2013, 5, 204ra130.	12.4	157
26	T Cell Receptor Cross-Reactivity between Similar Foreign and Self Peptides Influences Naive Cell Population Size and Autoimmunity. Immunity, 2015, 42, 95-107.	14.3	144
27	Dendritic Cell Antigen Presentation Drives Simultaneous Cytokine Production by Effector and Regulatory T Cells in Inflamed Skin. Immunity, 2009, 30, 277-288.	14.3	140
28	Positron Emission Tomography-Guided Photodynamic Therapy with Biodegradable Mesoporous Silica Nanoparticles for Personalized Cancer Immunotherapy. ACS Nano, 2019, 13, 12148-12161.	14.6	138
29	Cationic liposomeâ€“hyaluronic acid hybrid nanoparticles for intranasal vaccination with subunit antigens. Journal of Controlled Release, 2015, 208, 121-129.	9.9	133
30	Engineered Nanoparticles for Cancer Vaccination and Immunotherapy. Accounts of Chemical Research, 2020, 53, 2094-2105.	15.6	129
31	Engineering patient-specific cancer immunotherapies. Nature Biomedical Engineering, 2019, 3, 768-782.	22.5	123
32	Immunomodulating Nanomedicine for Cancer Therapy. Nano Letters, 2018, 18, 6655-6659.	9.1	121
33	Quantitative impact of thymic selection on Foxp3 ⁺ and Foxp3 ^{â”} subsets of self-peptide/MHC class II-specific CD4 ⁺ T cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14602-14607.	7.1	104
34	Dual TLR agonist nanodiscs as a strong adjuvant system for vaccines and immunotherapy. Journal of Controlled Release, 2018, 282, 131-139.	9.9	104
35	Peanut oral immunotherapy transiently expands circulating Ara h 2â€“specific B cells with a homologous repertoire in unrelated subjects. Journal of Allergy and Clinical Immunology, 2015, 136, 125-134.e12.	2.9	103
36	Adjuvant formulation structure and composition are critical for the development of an effective vaccine against tuberculosis. Journal of Controlled Release, 2013, 172, 190-200.	9.9	101

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37	Stat5 and Sp1 Regulate Transcription of the Cyclin D2 Gene in Response to IL-2. Journal of Immunology, 2001, 166, 1723-1729.	0.8	93
38	Detection of an autoreactive T-cell population within the polyclonal repertoire that undergoes distinct autoimmune regulator (Aire)-mediated selection. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7847-7852.	7.1	93
39	Robust Antigen Specific Th17 T Cell Response to Group A Streptococcus Is Dependent on IL-6 and Intranasal Route of Infection. PLoS Pathogens, 2011, 7, e1002252.	4.7	87
40	PEGylated tumor cell membrane vesicles as a new vaccine platform for cancer immunotherapy. Biomaterials, 2018, 182, 157-166.	11.4	79
41	Transcription-induced Chromatin Remodeling at the c-myc Gene Involves the Local Exchange of Histone H2A.Z. Journal of Biological Chemistry, 2005, 280, 25298-25303.	3.4	78
42	Synthetic High-Density Lipoprotein-Mediated Targeted Delivery of Liver X Receptors Agonist Promotes Atherosclerosis Regression. EBioMedicine, 2018, 28, 225-233.	6.1	74
43	Efficient Lymph Node-Targeted Delivery of Personalized Cancer Vaccines with Reactive Oxygen Species-Inducing Reduced Graphene Oxide Nanosheets. ACS Nano, 2020, 14, 13268-13278.	14.6	69
44	Subcutaneous Nanodisc Vaccination with Neoantigens for Combination Cancer Immunotherapy. Bioconjugate Chemistry, 2018, 29, 771-775.	3.6	68
45	Cationic liposomes promote antigen cross-presentation in dendritic cells by alkalizing the lysosomal pH and limiting the degradation of antigens. International Journal of Nanomedicine, 2017, Volume 12, 1251-1264.	6.7	67
46	Interleukin-33 activates regulatory T cells to suppress innate Î³Î´ T cell responses in the lung. Nature Immunology, 2020, 21, 1371-1383.	14.5	63
47	A Dual TLR Agonist Adjuvant Enhances the Immunogenicity and Protective Efficacy of the Tuberculosis Vaccine Antigen ID93. PLoS ONE, 2014, 9, e83884.	2.5	60
48	Systemic lupus erythematosus favors the generation of IL-17 producing double negative T cells. Nature Communications, 2020, 11, 2859.	12.8	59
49	Cancer Immunotherapy via Targeting Cancer Stem Cells Using Vaccine Nanodiscs. Nano Letters, 2020, 20, 7783-7792.	9.1	55
50	Phosphatidylinositol 3-Kinase Potentiates, but Does Not Trigger, T Cell Proliferation Mediated by the IL-2 Receptor. Journal of Immunology, 2001, 167, 2714-2723.	0.8	51
51	A Permissive Role for Phosphatidylinositol 3-Kinase in the Stat5- mediated Expression of Cyclin D2 by the Interleukin-2 Receptor. Journal of Biological Chemistry, 2004, 279, 5520-5527.	3.4	51
52	Engineering Antiviral Vaccines. ACS Nano, 2020, 14, 12370-12389.	14.6	50
53	Synthetic High-density Lipoprotein Nanodiscs for Personalized Immunotherapy Against Gliomas. Clinical Cancer Research, 2020, 26, 4369-4380.	7.0	48
54	Modularly Programmable Nanoparticle Vaccine Based on Polyethyleneimine for Personalized Cancer Immunotherapy. Advanced Science, 2021, 8, 2002577.	11.2	46

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55	Effect of size and pegylation of liposomes and peptide-based synthetic lipoproteins on tumor targeting. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1869-1878.	3.3	45
56	Antigen Persistence Is Required for Dendritic Cell Licensing and CD8+ T Cell Cross-Priming. Journal of Immunology, 2008, 181, 3067-3076.	0.8	44
57	Allergic asthma is distinguished by sensitivity of allergen-specific CD4 ⁺ T cells and airway structural cells to type 2 inflammation. Science Translational Medicine, 2016, 8, 359ra132.	12.4	43
58	Context-Dependent Role for T-bet in T Follicular Helper Differentiation and Germinal Center Function following Viral Infection. Cell Reports, 2019, 28, 1758-1772.e4.	6.4	40
59	Positive selection optimizes the number and function of MHCII-restricted CD4⁺T cell clones in the naive polyclonal repertoire. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11241-11245.	7.1	39
60	Negative Selection and Peptide Chemistry Determine the Size of Naive Foreign Peptideâ€“MHC Class II-Specific CD4+ T Cell Populations. Journal of Immunology, 2010, 185, 4705-4713.	0.8	39
61	Cutting Edge: Type 1 Diabetes Occurs despite Robust Anergy among Endogenous Insulin-Specific CD4 T Cells in NOD Mice. Journal of Immunology, 2013, 191, 4913-4917.	0.8	39
62	Characterization of a New Epitope of IRBP That Induces Moderate to Severe Uveoretinitis in Mice With H-2^bHaplotype. , 2015, 56, 5439.		35
63	CD4+CD25+Foxp3+ Regulatory T Cells Optimize Diversity of the Conventional T Cell Repertoire during Reconstitution from Lymphopenia. Journal of Immunology, 2010, 184, 4749-4760.	0.8	34
64	Particulate delivery systems for vaccination against bioterrorism agents and emerging infectious pathogens. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1403.	6.1	34
65	Uncoupling of Promitogenic and Antiapoptotic Functions of IL-2 by Smad-Dependent TGF-Î² Signaling. Journal of Immunology, 2003, 170, 5563-5570.	0.8	33
66	Multilamellar Vaccine Particle Elicits Potent Immune Activation with Protein Antigens and Protects Mice against Ebola Virus Infection. ACS Nano, 2019, 13, 11087-11096.	14.6	33
67	Targeting Neuroinflammation in Brain Cancer: Uncovering Mechanisms, Pharmacological Targets, and Neuropharmaceutical Developments. Frontiers in Pharmacology, 2021, 12, 680021.	3.5	33
68	Lipid-based vaccine nanoparticles for induction of humoral immune responses against HIV-1 and SARS-CoV-2. Journal of Controlled Release, 2021, 330, 529-539.	9.9	31
69	Synthetic high-density lipoprotein nanodisks for targeted withalongolide delivery to adrenocortical carcinoma. International Journal of Nanomedicine, 2017, Volume 12, 6581-6594.	6.7	29
70	High-density lipoprotein-mimicking nanodiscs carrying peptide for enhanced therapeutic angiogenesis in diabetic hindlimb ischemia. Biomaterials, 2018, 161, 69-80.	11.4	29
71	Tracking the Dynamics of Salmonella Specific T Cell Responses. Current Topics in Microbiology and Immunology, 2009, 334, 179-198.	1.1	29
72	Hematopoietic Potential and Retroviral Transduction of CD34+Thy-1+ Peripheral Blood Stem Cells From Asymptomatic Human Immunodeficiency Virus Type-1â€“Infected Individuals Mobilized With Granulocyte Colony-Stimulating Factor. Blood, 1997, 89, 4299-4306.	1.4	28

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73	Interrogation of Antigen Display on Individual Vaccine Nanoparticles for Achieving Neutralizing Antibody Responses against Hepatitis C Virus. Nano Letters, 2018, 18, 7832-7838.	9.1	27
74	Synthetic HDL Nanoparticles Delivering Docetaxel and CpG for Chemoimmunotherapy of Colon Adenocarcinoma. International Journal of Molecular Sciences, 2020, 21, 1777.	4.1	26
75	Engineered Ovalbumin Nanoparticles for Cancer Immunotherapy. Advanced Therapeutics, 2020, 3, 2000100.	3.2	25
76	SARS-CoV-2 epitopeâ€“specific CD4 ⁺ memory T cell responses across COVID-19 disease severity and antibody durability. Science Immunology, 2022, 7, .	11.9	25
77	Peptide:MHC Tetramer-based Enrichment of Epitope-specific T cells. Journal of Visualized Experiments, 2012, , .	0.3	20
78	In vivo engineering of lymphocytes after systemic exosome-associated AAV delivery. Scientific Reports, 2020, 10, 4544.	3.3	20
79	Photothermal Therapy Combined with Neoantigen Cancer Vaccination for Effective Immunotherapy against Large Established Tumors and Distant Metastasis. Advanced Therapeutics, 2021, 4, 2100093.	3.2	20
80	Personalized combination nano-immunotherapy for robust induction and tumor infiltration of CD8+ T cells. Biomaterials, 2021, 274, 120844.	11.4	19
81	LYN- and AIRE-mediated tolerance checkpoint defects synergize to trigger organ-specific autoimmunity. Journal of Clinical Investigation, 2016, 126, 3758-3771.	8.2	19
82	Selective Induction of Homeostatic Th17 Cells in the Murine Intestine by Cholera Toxin Interacting with the Microbiota. Journal of Immunology, 2017, 199, 312-322.	0.8	18
83	Distinct Graft-Specific TCR Avidity Profiles during Acute Rejection and Tolerance. Cell Reports, 2018, 24, 2112-2126.	6.4	17
84	Vaccine nanoparticles displaying recombinant Ebola virus glycoprotein for induction of potent antibody and polyfunctional T cell responses. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 18, 414-425.	3.3	17
85	CARMA1 Is Necessary for Optimal T Cell Responses in a Murine Model of Allergic Asthma. Journal of Immunology, 2011, 187, 6197-6207.	0.8	16
86	Prospects of biological and synthetic pharmacotherapies for glioblastoma. Expert Opinion on Biological Therapy, 2020, 20, 305-317.	3.1	16
87	Vaccine nanodiscs plus polyICLC elicit robust CD8+ T cell responses in mice and non-human primates. Journal of Controlled Release, 2021, 337, 168-178.	9.9	16
88	Immunotherapy for gliomas: shedding light on progress in preclinical and clinical development. Expert Opinion on Investigational Drugs, 2020, 29, 659-684.	4.1	15
89	Differential expression of tissue-restricted antigens among mTEC is associated with distinct autoreactive T cell fates. Nature Communications, 2020, 11, 3734.	12.8	12
90	Immunization route dictates cross-priming efficiency and impacts the optimal timing of adjuvant delivery. Frontiers in Immunology, 2011, 2, 71.	4.8	11

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91	Whole-animal Imaging and Flow Cytometric Techniques for Analysis of Antigen-specific CD8+ T Cell Responses after Nanoparticle Vaccination. Journal of Visualized Experiments, 2015, , e52771.	0.3	11
92	Robust Antiâ€Tumor T Cell Response with Efficient Intratumoral Infiltration by Nanodisc Cancer Immunotherapy. Advanced Therapeutics, 2020, 3, 2000094.	3.2	11
93	Genetic Alterations in Gliomas Remodel the Tumor Immune Microenvironment and Impact Immune-Mediated Therapies. Frontiers in Oncology, 2021, 11, 631037.	2.8	10
94	Inhibition of Human Immunodeficiency Virus Type 1 Replication in Myelomonocytic Cells Derived from Retroviral Vector-Transduced Peripheral Blood Progenitor Cells. Human Gene Therapy, 1998, 9, 333-340.	2.7	9
95	DOCK2 Sets the Threshold for Entry into the Virtual Memory CD8+ T Cell Compartment by Negatively Regulating Tonic TCR Triggering. Journal of Immunology, 2020, 204, 49-57.	0.8	9
96	Identification of antigen-specific TCR sequences based on biological and statistical enrichment in unselected individuals. JCI Insight, 2021, 6, .	5.0	9
97	Natural Tr1-like cells do not confer long-term tolerogenic memory. ELife, 2019, 8, .	6.0	8
98	Opposing peripheral fates of tissueâ€restricted self antigenâ€specific conventional and regulatory CD4⁺ T cells. European Journal of Immunology, 2020, 50, 63-72.	2.9	7
99	Peyerâ€™s patch T _H 17 cells are dispensable for gut IgA responses to oral immunization. Science Immunology, 2022, 7, .	11.9	7
100	Rejection of benign melanocytic nevi by nevus-resident CD4 ⁺ T cells. Science Advances, 2021, 7, .	10.3	6
101	The human Tâ€cell repertoire grows up. Immunology and Cell Biology, 2015, 93, 601-602.	2.3	4
102	Generation of Allergen-Specific Tetramers for a Murine Model of Airway Inflammation. Methods in Molecular Biology, 2018, 1799, 165-181.	0.9	4
103	Response to Comment on â€œThe Role of Naive T Cell Precursor Frequency and Recruitment in Dictating Immune Response Magnitudeâ€. Journal of Immunology, 2013, 190, 1896-1896.	0.8	2
104	Epitope mapping and kinetics of CD4 T cell immunity to pneumonia virus of mice in the C57BL/6 strain. Scientific Reports, 2017, 7, 3472.	3.3	2