Peter P Lee

List of Publications by Year
in descending order

130 papers	8,131 citations	66343 42 h-index	49909 87 g-index
143 all docs	143 docs citations	143 times ranked	9732 citing authors

#	Article	IF	Citations
1	Characterization of circulating T cells specific for tumor-associated antigens in melanoma patients. Nature Medicine, 1999, 5, 677-685.	30.7	1,033
2	Evidence that specific T lymphocytes may participate in the elimination of chronic myelogenous leukemia. Nature Medicine, 2000, 6, 1018-1023.	30.7	651
3	Melanocyte Destruction after Antigen-Specific Immunotherapy of Melanoma. Journal of Experimental Medicine, 2000, 192, 1637-1644.	8.5	414
4	Ex vivo identification, isolation and analysis of tumor-cytolytic T cells. Nature Medicine, 2003, 9, 1377-1382.	30.7	386
5	A comparison of two types of dendritic cell as adjuvants for the induction of melanoma-specific T-cell responses in humans following intranodal injection. International Journal of Cancer, 2001, 93, 243-251.	5.1	353
6	Impaired interferon signaling is a common immune defect in human cancer. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9010-9015.	7.1	240
7	STAT3 Activation-Induced Fatty Acid Oxidation in CD8+ T Effector Cells Is Critical for Obesity-Promoted Breast Tumor Growth. Cell Metabolism, 2020, 31, 148-161.e5.	16.2	201
8	Chronic myelogenous leukemia shapes host immunity by selective deletion of high-avidity leukemia-specific T cells. Journal of Clinical Investigation, 2003, 111, 639-647.	8.2	189
9	Profile of Immune Cells in Axillary Lymph Nodes Predicts Disease-Free Survival in Breast Cancer. PLoS Medicine, 2005, 2, e284.	8.4	182
10	Response to PD-1 Blockade in Microsatellite Stable Metastatic Colorectal Cancer Harboring aPOLEMutation. Journal of the National Comprehensive Cancer Network: JNCCN, 2017, 15, 142-147.	4.9	182
11	Inhibition of HIV infectivity by a natural human isolate of Lactobacillus jensenii engineered to express functional two-domain CD4. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11672-11677.	7.1	172
12	Granulocyte-macrophage-colony-stimulating factor added to a multipeptide vaccine for resected Stage II melanoma. Cancer, 2003, 97, 186-200.	4.1	165
13	Modulation of P2X4/P2X7/Pannexin-1 sensitivity to extracellular ATP via Ivermectin induces a non-apoptotic and inflammatory form of cancer cell death. Scientific Reports, 2015, 5, 16222.	3.3	132
14	Engineered Vaginal Lactobacillus Strain for Mucosal Delivery of the Human Immunodeficiency Virus Inhibitor Cyanovirin-N. Antimicrobial Agents and Chemotherapy, 2006, 50, 3250-3259.	3.2	128
15	Down-Regulation of the Interferon Signaling Pathway in T Lymphocytes from Patients with Metastatic Melanoma. PLoS Medicine, 2007, 4, e176.	8.4	124
16	Rational Design of Combination Enzyme Therapy for Celiac Sprue. Chemistry and Biology, 2006, 13, 649-658.	6.0	117
17	Connecting blood and intratumoral Treg cell activity in predicting future relapse in breast cancer. Nature Immunology, 2019, 20, 1220-1230.	14.5	117
18	Recommendations from the iSBTc-SITC/FDA/NCI Workshop on Immunotherapy Biomarkers. Clinical Cancer Research, 2011, 17, 3064-3076.	7.0	108

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19	The Use of HLA A2.1/p53 Peptide Tetramers to Visualize the Impact of Self Tolerance on the TCR Repertoire. Journal of Immunology, 2000, 164, 596-602.	0.8	101
20	Human breast tumor-infiltrating CD8+ T cells retain polyfunctionality despite PD-1 expression. Nature Communications, 2018, 9, 4297.	12.8	101
21	Regulation of Chemerin Bioactivity by Plasma Carboxypeptidase N, Carboxypeptidase B (Activated) Tj ETQq1 1 0.784314 rgBT /Overlock 751-758.	3.4	100
22	Resident memory CD8+ T cells within cancer islands mediate survival in breast cancer patients. JCI Insight, 2019, 4, .	5.0	83
23	Diversity and Recognition Efficiency of T Cell Responses to Cancer. PLoS Medicine, 2004, 1, e28.	8.4	82
24	Dynamics and Potential Impact of the Immune Response to Chronic Myelogenous Leukemia. PLoS Computational Biology, 2008, 4, e1000095.	3.2	81
25	Development and dynamics of robust T-cell responses to CML under imatinib treatment. Blood, 2008, 111, 5342-5349.	1.4	80
26	Marked Differences in Human Melanoma Antigen-Specific T Cell Responsiveness after Vaccination Using a Functional Microarray. PLoS Medicine, 2005, 2, e265.	8.4	77
27	Selective ablation of cancer cells with low intensity pulsed ultrasound. Applied Physics Letters, 2020, 116, .	3.3	71
28	Modeling regulation mechanisms in the immune system. Journal of Theoretical Biology, 2007, 246, 33-69.	1.7	68
29	Chronic myelogenous leukemia shapes host immunity by selective deletion of high-avidity leukemia-specific T cells. Journal of Clinical Investigation, 2003, 111, 639-647.	8.2	65
30	Immune overdrive signature in colorectal tumor subset predicts poor clinical outcome. Journal of Clinical Investigation, 2019, 129, 4464-4476.	8.2	64
31	Memory T cells have gene expression patterns intermediate between naive and effector. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5519-5523.	7.1	62
32	Clinical Response to Immunotherapy Targeting Programmed Cell Death Receptor 1/Programmed Cell Death Ligand 1 in Patients With Treatment-Resistant Microsatellite Stable Colorectal Cancer With and Without Liver Metastases. JAMA Network Open, 2021, 4, e2118416.	5.9	62
33	Identification of shared TCR sequences from T cells in human breast cancer using emulsion RT-PCR. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8272-8277.	7.1	56
34	Human brain metastatic stroma attracts breast cancer cells via chemokines CXCL16 and CXCL12. Npj Breast Cancer, 2017, 3, 6.	5.2	56
35	Breast cancer induces systemic immune changes on cytokine signaling in peripheral blood monocytes and lymphocytes. EBioMedicine, 2020, 52, 102631.	6.1	56
36	T Helper 2-Dominant Antilymphoma Immune Response Is Associated With Fatal Outcome. Blood, 1997, 90, 1611-1617.	1.4	54

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37	Immune profiling of microsatellite instability-high and polymerase Îµ (POLE)-mutated metastatic colorectal tumors identifies predictors of response to anti-PD-1 therapy. Journal of Gastrointestinal Oncology, 2018, 9, 404-415.	1.4	49
38	A Phase II Clinical Trial of Pembrolizumab and Enobosarm in Patients with Androgen Receptor-Positive Metastatic Triple-Negative Breast Cancer. Oncologist, 2021, 26, 99-e217.	3.7	49
39	PRC2/EED-EZH2 Complex Is Up-Regulated in Breast Cancer Lymph Node Metastasis Compared to Primary Tumor and Correlates with Tumor Proliferation In Situ. PLoS ONE, 2012, 7, e51239.	2.5	48
40	On the mechanism of long-range orientational order of fibroblasts. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8974-8979.	7.1	48
41	A systematic approach to biomarker discovery; Preamble to "the iSBTc-FDA taskforce on immunotherapy biomarkers". Journal of Translational Medicine, 2008, 6, 81.	4.4	45
42	Modeling Protective Anti-Tumor Immunity via Preventative Cancer Vaccines Using a Hybrid Agent-based and Delay Differential Equation Approach. PLoS Computational Biology, 2012, 8, e1002742.	3.2	45
43	Identification of Epstein-Barr virus-specific CD8+ T lymphocytes in the circulation of pediatric transplant recipients1. Transplantation, 2002, 74, 501-510.	1.0	43
44	Quantitative, Architectural Analysis of Immune Cell Subsets in Tumor-Draining Lymph Nodes from Breast Cancer Patients and Healthy Lymph Nodes. PLoS ONE, 2010, 5, e12420.	2.5	43
45	Altered local and systemic immune profiles underlie lymph node metastasis in breast cancer patients. International Journal of Cancer, 2013, 132, 2537-2547.	5.1	42
46	Spatial organization of dendritic cells within tumor draining lymph nodes impacts clinical outcome in breast cancer patients. Journal of Translational Medicine, 2013, 11, 242.	4.4	41
47	Melanoma NOS1 expression promotes dysfunctional IFN signaling. Journal of Clinical Investigation, 2014, 124, 2147-2159.	8.2	40
48	Engineering of a Human Vaginal Lactobacillus Strain for Surface Expression of Two-Domain CD4 Molecules. Applied and Environmental Microbiology, 2008, 74, 4626-4635.	3.1	39
49	Modeling and Simulation of the Immune System as a Self-Regulating Network. Methods in Enzymology, 2009, 467, 79-109.	1.0	39
50	Agent-based modeling of the context dependency in T cell recognition. Journal of Theoretical Biology, 2005, 236, 376-391.	1.7	36
51	A Chinese rhesus macaque (Macaca mulatta) model for vaginal Lactobacillus colonization and live microbicide development. Journal of Medical Primatology, 2009, 38, 125-136.	0.6	35
52	IL6 Signaling in Peripheral Blood T Cells Predicts Clinical Outcome in Breast Cancer. Cancer Research, 2017, 77, 1119-1126.	0.9	35
53	Multiplexed tissue biomarker imaging. , 2016, 4, 9.		34
54	Post-transplantation dynamics of the immune response to chronic myelogenous leukemia. Journal of Theoretical Biology, 2005, 236, 39-59.	1.7	33

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55	A PDE Model for Imatinib-Treated Chronic Myelogenous Leukemia. Bulletin of Mathematical Biology, 2008, 70, 1994-2016.	1.9	32
56	A Self-Directed Method for Cell-Type Identification and Separation of Gene Expression Microarrays. PLoS Computational Biology, 2013, 9, e1003189.	3.2	32
57	Expression of Human Immunodeficiency Virus Type 1 Neutralizing Antibody Fragments Using Human VaginalLactobacillus. AIDS Research and Human Retroviruses, 2016, 32, 964-971.	1.1	31
58	Interferon signaling patterns in peripheral blood lymphocytes may predict clinical outcome after high-dose interferon therapy in melanoma patients. Journal of Translational Medicine, 2011, 9, 52.	4.4	29
59	Tumor-Derived Exosomes Contain microRNAs with Immunological Function: Implications for a Novel Immunosuppression Mechanism. MicroRNA (Shariqah, United Arab Emirates), 2014, 2, 194-204.	1.2	28
60	Modeling Imatinib-Treated Chronic Myelogenous Leukemia: Reducing the Complexity of Agent-Based Models. Bulletin of Mathematical Biology, 2008, 70, 728-744.	1.9	27
61	MHC class I loaded ligands from breast cancer cell lines: A potential HLA-I-typed antigen collection. Journal of Proteomics, 2018, 176, 13-23.	2.4	27
62	Phenotypic Switching of NaÃ¯ve T Cells to Immune-Suppressive Treg-Like Cells by Mutant KRAS. Journal of Clinical Medicine, 2019, 8, 1726.	2.4	26
63	AN OLIGONUCLEOTIDE BLOCKS INTERFERON-?? SIGNAL TRANSDUCTION1. Transplantation, 1996, 62, 1297-1301.	1.0	25
64	In Vivo Evaluation of Safety and Toxicity of a Lactobacillus jensenii Producing Modified Cyanovirin-N in a Rhesus Macaque Vaginal Challenge Model. PLoS ONE, 2013, 8, e78817.	2.5	25
65	Microarray Analysis Reveals Differences in Gene Expression of Circulating CD8+ T Cells in Melanoma Patients and Healthy Donors. Cancer Research, 2004, 64, 3661-3667.	0.9	24
66	Warburg Effect Is a Cancer Immune Evasion Mechanism Against Macrophage Immunosurveillance. Frontiers in Immunology, 2020, 11, 621757.	4.8	24
67	Emergent Group Dynamics Governed by Regulatory Cells Produce a Robust Primary T Cell Response. Bulletin of Mathematical Biology, 2010, 72, 611-644.	1.9	23
68	A Pilot Feasibility Study of Yttrium-90 Liver Radioembolization Followed by Durvalumab and Tremelimumab in Patients with Microsatellite Stable Colorectal Cancer Liver Metastases. Oncologist, 2020, 25, 382-e776.	3.7	23
69	Stability crossing boundaries of delay systems modeling immune dynamics in leukemia. Discrete and Continuous Dynamical Systems - Series B, 2010, 13, 129-156.	0.9	23
70	Antigen-Specific Inhibition of High-Avidity T Cell Target Lysis by Low-Avidity T Cells via Trogocytosis. Cell Reports, 2014, 8, 871-882.	6.4	21
71	Immunotherapy biomarkers 2016: overcoming the barriers. , 2017, 5, 29.		21
72	A Theory of Immunodominance and Adaptive Regulation. Bulletin of Mathematical Biology, 2011, 73, 1645-1665.	1.9	20

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73	Systematic evaluation of immune regulation and modulation. , 2017, 5, 21.		20
74	Sentinel lymph node B cells can predict disease-free survival in breast cancer patients. Npj Breast Cancer, 2018, 4, 28.	5.2	20
75	Robust Vaginal Colonization of Macaques with a Novel Vaginally Disintegrating Tablet Containing a Live Biotherapeutic Product to Prevent HIV Infection in Women. PLoS ONE, 2015, 10, e0122730.	2.5	17
76	Tumor-infiltrating exhausted CD8+ T cells dictate reduced survival in premenopausal estrogen receptorâ€“positive breast cancer. JCI Insight, 2022, 7, .	5.0	17
77	Ivermectin converts cold tumors hot and synergizes with immune checkpoint blockade for treatment of breast cancer. Npj Breast Cancer, 2021, 7, 22.	5.2	16
78	Spatial distribution of B cells and lymphocyte clusters as a predictor of triple-negative breast cancer outcome. Npj Breast Cancer, 2021, 7, 84.	5.2	16
79	Rapid Assessment of Recognition Efficiency and Functional Capacity of Antigen-Specific T-Cell Responses. Journal of Immunotherapy, 2005, 28, 297-305.	2.4	15
80	Strategic Treatment Interruptions During Imatinib Treatment of Chronic Myelogenous Leukemia. Bulletin of Mathematical Biology, 2011, 73, 1082-1100.	1.9	15
81	CD84 is a regulator of the immunosuppressive microenvironment in Multiple Myeloma. JCI Insight, 2021, 6, .	5.0	15
82	Optimisation of anti-cancer peptide vaccines to preferentially elicit high-avidity T cells. Journal of Theoretical Biology, 2020, 486, 110067.	1.7	13
83	An InteractiveJavaStatistical Image Segmentation System:GemIdent. Journal of Statistical Software, 2009, 30, .	3.7	13
84	Concepts and Applications of Information Theory to Immuno-Oncology. Trends in Cancer, 2021, 7, 335-346.	7.4	12
85	An Interactive Java Statistical Image Segmentation System: GemIdent. Journal of Statistical Software, 2009, 30, .	3.7	11
86	Lymph Node Cellular Dynamics in Cancer and HIV: What Can We Learn for the Follicular CD4 (Tfh) Cells?. Frontiers in Immunology, 2018, 9, 2233.	4.8	10
87	Physics approaches to the spatial distribution of immune cells in tumors. Reports on Progress in Physics, 2021, 84, 022601.	20.1	10
88	Dissecting Response to Cancer Immunotherapy by Applying Bayesian Network Analysis to Flow Cytometry Data. International Journal of Molecular Sciences, 2021, 22, 2316.	4.1	10
89	Hyperthermic Intraperitoneal Chemotherapyâ€“Induced Molecular Changes in Humans Validate Preclinical Data in Ovarian Cancer. JCO Precision Oncology, 2022, 6, e2100239.	3.0	10
90	Mature Dendritic Cells May Promote High-Avidity Tuning of Vaccine T Cell Responses. Frontiers in Immunology, 2020, 11, 584680.	4.8	8

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91	Association of molecular characteristics with survival in advanced non-small cell lung cancer patients treated with checkpoint inhibitors. Lung Cancer, 2020, 146, 174-181.	2.0	8
92	Demonstration of vaginal colonization with GusA-expressing Lactobacillus jensenii following oral delivery in rhesus macaques. Research in Microbiology, 2011, 162, 1006-1010.	2.1	7
93	Cytotoxic T lymphocyte responses against melanocytes and melanoma. Journal of Translational Medicine, 2011, 9, 122.	4.4	7
94	Predicting Relapse in Patients With Triple Negative Breast Cancer (TNBC) Using a Deep-Learning Approach. Frontiers in Physiology, 2020, 11, 511071.	2.8	7
95	Quantitative and Spatial Image Analysis of Tumor and Draining Lymph Nodes Using Immunohistochemistry and High-Resolution Multispectral Imaging to Predict Metastasis. Methods in Molecular Biology, 2014, 1102, 601-621.	0.9	7
96	B cell receptor signaling strength modulates cancer immunity. Journal of Clinical Investigation, 2022, 132, .	8.2	7
97	Flow cytometry crossmatching: The first 10 years. Transplantation Reviews, 1994, 8, 1-14.	2.9	6
98	An Interactive Statistical Image Segmentation and Visualization System. , 2007, , .		6
99	T cell state transition produces an emergent change detector. Journal of Theoretical Biology, 2011, 275, 59-69.	1.7	6
100	Basic Principles in Modeling Adaptive Regulation and Immunodominance. Lecture Notes on Mathematical Modelling in the Life Sciences, 2013, , 33-57.	0.4	5
101	Synchronous recurrence of concurrent colon adenocarcinoma and dedifferentiated liposarcoma. BMJ Case Reports, 2019, 12, e228868.	0.5	4
102	Mini-Transplants for Chronic Myelogenous Leukemia: A Modeling Perspective. , 2007, , 3-20.		4
103	Arhgap25 Deficiency Leads to Decreased Numbers of Peripheral Blood B Cells and Defective Germinal Center Reactions. ImmunoHorizons, 2020, 4, 274-281.	1.8	4
104	T-Cell Responses to Cancer. Methods in Cell Biology, 2004, 75, 513-531.	1.1	3
105	Identification and classification of cells in multispectral microscopy images of lymph nodes. , 2011, , .		3
106	Purinergic Signaling Within the Tumor Microenvironment. Advances in Experimental Medicine and Biology, 2021, 1270, 73-87.	1.6	3
107	Immune correlates of talactoferrin alfa in biopsied tumor of relapsed/refractory metastatic non-small cell lung cancer patients. Immunopharmacology and Immunotoxicology, 2014, 36, 182-186.	2.4	2
108	Dynamic CD8 T-Cell Responses to Tumor-Associated Epstein-Barr Virus Antigens in Patients With Epstein-Barr Virus-Negative Hodgkin's Disease. Oncology Research, 2009, 18, 287-292.	1.5	2

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109	Tnfî± Promotes an Immunosuppressive Microenvironment in Cutaneous T Cell Lymphoma and Regulates PD-L1 Expression. Blood, 2020, 136, 33-34.	1.4	2
110	ON STABILITY OF A COMBINED GLEEVEC AND IMMUNE MODEL IN CHRONIC LEUKEMIA: EXPLOITING DELAY SYSTEM STRUCTURE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 563-568.	0.4	1
111	Radioimmunotherapy for CD20-positive B-cell non-Hodgkin's lymphoma. Community Oncology, 2011, 8, 24-31.	0.2	1
112	A two-layer structure prediction framework for microscopy cell detection. Computerized Medical Imaging and Graphics, 2015, 41, 29-36.	5.8	1
113	Immune Signatures Associated with the Cancer Bearing State. , 2011, , 169-186.		1
114	A Cellular Automata Model of Early T Cell Recognition. Lecture Notes in Computer Science, 2004, , 553-560.	1.3	1
115	Methods for Use of Peptide-MHC Tetramers in Tumor Immunology. , 2001, 61, 353-362.		0
116	Biological circuit models of immune regulatory response: A decentralized control system. , 2011, , .		0
117	A minimal model of T cell avidity may identify subtherapeutic vaccine schedules. Mathematical Biosciences, 2021, 334, 108556.	1.9	0
118	The NK and NKT Cell Compartment Is Suppressed in CML Patients before and after Imatinib Treatment.. Blood, 2004, 104, 4667-4667.	1.4	0
119	Heterogeneity within Antigen-Specific T Cell Responses Revealed by Differential Dynamics of TCR Downregulation.. Blood, 2004, 104, 3851-3851.	1.4	0
120	Tetramer Analysis. , 2005, , 268-276.		0
121	Anti-Leukemia Immune Responses in CML Patients Treated with Imatinib Mesylate.. Blood, 2005, 106, 1108-1108.	1.4	0
122	Robust Anti-Leukemia CD4+ and CD8+ T Cell Responses in CML Patients Treated with Imatinib Mesylate.. Blood, 2006, 108, 2199-2199.	1.4	0
123	Regulation of Chemerin Bioactivity by Plasma Carboxypeptidase N, Carboxypeptidase B (TAFIa) and Platelets.. Blood, 2007, 110, 408-408.	1.4	0
124	Disturbed NK Cell Compartment In Human CML and Bcr-Abl Positive Mice.. Blood, 2010, 116, 1207-1207.	1.4	0
125	Complexities of the Lung Tumor Microenvironment. Current Cancer Research, 2019, , 179-194.	0.2	0
126	Organ specificity dictates tumor immune infiltration and composition in metastatic breast cancer; lessons from a rapid autopsy tissue collection study.. Journal of Clinical Oncology, 2020, 38, 1032-1032.	1.6	0

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127	Systemic Correlates of the Tumor Microenvironment. Cancer Treatment and Research, 2020, 180, 97-109.	0.5	0
128	Peptide/MHC Tetramer Analysis. , 2005, , 197-217.		0
129	Editorial: Systems Biology Methods in Computational Immuno-Oncology. Frontiers in Genetics, 2022, 13, 885252.	2.3	0
130	Comprehensive immune profiling unravels evolution of spatial distribution and immune repertoire in tumor microenvironment from primary to metastatic triple-negative breast cancer.. Journal of Clinical Oncology, 2022, 40, 1079-1079.	1.6	0