Paul F Robbins

List of Publications by Year
in descending order

80 papers	24,619 citations	36303 51 h-index	85541 71 g-index
82 all docs	82 docs citations	82 times ranked	19320 citing authors

#	Article	IF	Citations
1	Cancer Regression and Autoimmunity in Patients After Clonal Repopulation with Antitumor Lymphocytes. Science, 2002, 298, 850-854.	12.6	2,598
2	Durable Complete Responses in Heavily Pretreated Patients with Metastatic Melanoma Using T-Cell Transfer Immunotherapy. Clinical Cancer Research, 2011, 17, 4550-4557.	7.0	1,823
3	Cancer Immunotherapy Based on Mutation-Specific CD4+ T Cells in a Patient with Epithelial Cancer. Science, 2014, 344, 641-645.	12.6	1,460
4	Tumor Regression in Patients With Metastatic Synovial Cell Sarcoma and Melanoma Using Genetically Engineered Lymphocytes Reactive With NY-ESO-1. Journal of Clinical Oncology, 2011, 29, 917-924.	1.6	1,427
5	Adoptive Cell Therapy for Patients With Metastatic Melanoma: Evaluation of Intensive Myeloablative Chemoradiation Preparative Regimens. Journal of Clinical Oncology, 2008, 26, 5233-5239.	1.6	1,210
6	Stabilization of Î²-Catenin by Genetic Defects in Melanoma Cell Lines. Science, 1997, 275, 1790-1792.	12.6	1,181
7	T-Cell Transfer Therapy Targeting Mutant KRAS in Cancer. New England Journal of Medicine, 2016, 375, 2255-2262.	27.0	1,033
8	Mining exomic sequencing data to identify mutated antigens recognized by adoptively transferred tumor-reactive T cells. Nature Medicine, 2013, 19, 747-752.	30.7	979
9	PD-1 identifies the patient-specific CD8+ tumor-reactive repertoire infiltrating human tumors. Journal of Clinical Investigation, 2014, 124, 2246-2259.	8.2	892
10	T Cells Targeting Carcinoembryonic Antigen Can Mediate Regression of Metastatic Colorectal Cancer but Induce Severe Transient Colitis. Molecular Therapy, 2011, 19, 620-626.	8.2	857
11	Prospective identification of neoantigen-specific lymphocytes in the peripheral blood of melanoma patients. Nature Medicine, 2016, 22, 433-438.	30.7	721
12	A Pilot Trial Using Lymphocytes Genetically Engineered with an NY-ESO-1â€“Reactive T-cell Receptor: Long-term Follow-up and Correlates with Response. Clinical Cancer Research, 2015, 21, 1019-1027.	7.0	677
13	Identification of essential genes for cancer immunotherapy. Nature, 2017, 548, 537-542.	27.8	668
14	Immunogenicity of somatic mutations in human gastrointestinal cancers. Science, 2015, 350, 1387-1390.	12.6	639
15	Immune recognition of somatic mutations leading to complete durable regression in metastatic breast cancer. Nature Medicine, 2018, 24, 724-730.	30.7	637
16	Cutting Edge: Persistence of Transferred Lymphocyte Clonotypes Correlates with Cancer Regression in Patients Receiving Cell Transfer Therapy. Journal of Immunology, 2004, 173, 7125-7130.	0.8	442
17	A listing of human tumor antigens recognized by T cells. Cancer Immunology, Immunotherapy, 2001, 50, 3-15.	4.2	426
18	Efficient Identification of Mutated Cancer Antigens Recognized by T Cells Associated with Durable Tumor Regressions. Clinical Cancer Research, 2014, 20, 3401-3410.	7.0	364

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19	'Final common pathway' of human cancer immunotherapy: targeting random somatic mutations. Nature Immunology, 2017, 18, 255-262.	14.5	361
20	Isolation of neoantigen-specific T cells from tumor and peripheral lymphocytes. Journal of Clinical Investigation, 2015, 125, 3981-3991.	8.2	328
21	Landscape of immunogenic tumor antigens in successful immunotherapy of virally induced epithelial cancer. Science, 2017, 356, 200-205.	12.6	327
22	Single and Dual Amino Acid Substitutions in TCR CDRs Can Enhance Antigen-Specific T Cell Functions. Journal of Immunology, 2008, 180, 6116-6131.	0.8	319
23	Enhanced Antitumor Activity of T Cells Engineered to Express T-Cell Receptors with a Second Disulfide Bond. Cancer Research, 2007, 67, 3898-3903.	0.9	315
24	Stem-like CD8 T cells mediate response of adoptive cell immunotherapy against human cancer. Science, 2020, 370, 1328-1334.	12.6	273
25	Minimally Cultured Tumor-infiltrating Lymphocytes Display Optimal Characteristics for Adoptive Cell Therapy. Journal of Immunotherapy, 2008, 31, 742-751.	2.4	236
26	Pilot Trial of Adoptive Transfer of Chimeric Antigen Receptorâ€“transduced T Cells Targeting EGFRvIII in Patients With Glioblastoma. Journal of Immunotherapy, 2019, 42, 126-135.	2.4	231
27	High Efficiency TCR Gene Transfer into Primary Human Lymphocytes Affords Avid Recognition of Melanoma Tumor Antigen Glycoprotein 100 and Does Not Alter the Recognition of Autologous Melanoma Antigens. Journal of Immunology, 2003, 171, 3287-3295.	0.8	219
28	mRNA vaccineâ€“induced neoantigen-specific T cell immunity in patients with gastrointestinal cancer. Journal of Clinical Investigation, 2020, 130, 5976-5988.	8.2	218
29	Treatment of Patients With Metastatic Cancer Using a Major Histocompatibility Complex Class IIâ€“Restricted T-Cell Receptor Targeting the Cancer Germline Antigen MAGE-A3. Journal of Clinical Oncology, 2017, 35, 3322-3329.	1.6	204
30	Cancer immunotherapy targeting neoantigens. Seminars in Immunology, 2016, 28, 22-27.	5.6	199
31	Persistence of Multiple Tumor-Specific T-Cell Clones Is Associated with Complete Tumor Regression in a Melanoma Patient Receiving Adoptive Cell Transfer Therapy. Journal of Immunotherapy, 2005, 28, 53-62.	2.4	198
32	Neoantigen screening identifies broad TP53 mutant immunogenicity in patients with epithelial cancers. Journal of Clinical Investigation, 2019, 129, 1109-1114.	8.2	193
33	Unique Neoantigens Arise from Somatic Mutations in Patients with Gastrointestinal Cancers. Cancer Discovery, 2019, 9, 1022-1035.	9.4	184
34	TIL therapy broadens the tumor-reactive CD8⁺T cell compartment in melanoma patients. OncoImmunology, 2012, 1, 409-418.	4.6	171
35	Enhanced detection of neoantigen-reactive T cells targeting unique and shared oncogenes for personalized cancer immunotherapy. JCI Insight, 2018, 3, .	5.0	168
36	Tumor- and Neoantigen-Reactive T-cell Receptors Can Be Identified Based on Their Frequency in Fresh Tumor. Cancer Immunology Research, 2016, 4, 734-743.	3.4	163

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37	Isolation of T-Cell Receptors Specifically Reactive with Mutated Tumor-Associated Antigens from Tumor-Infiltrating Lymphocytes Based on CD137 Expression. Clinical Cancer Research, 2017, 23, 2491-2505.	7.0	158
38	Molecular signatures of antitumor neoantigen-reactive T cells from metastatic human cancers. Science, 2022, 375, 877-884.	12.6	156
39	Tumor-infiltrating human CD4 ⁺ regulatory T cells display a distinct TCR repertoire and exhibit tumor and neoantigen reactivity. Science Immunology, 2019, 4, .	11.9	152
40	Mutated PPP1R3B Is Recognized by T Cells Used To Treat a Melanoma Patient Who Experienced a Durable Complete Tumor Regression. Journal of Immunology, 2013, 190, 6034-6042.	0.8	145
41	Memory T cells targeting oncogenic mutations detected in peripheral blood of epithelial cancer patients. Nature Communications, 2019, 10, 449.	12.8	118
42	Durable Complete Response from Metastatic Melanoma after Transfer of Autologous T Cells Recognizing 10 Mutated Tumor Antigens. Cancer Immunology Research, 2016, 4, 669-678.	3.4	117
43	T-cell Responses to TP53 â€œHotspotâ€•Mutations and Unique Neoantigens Expressed by Human Ovarian Cancers. Clinical Cancer Research, 2018, 24, 5562-5573.	7.0	114
44	Recognition of human gastrointestinal cancer neoantigens by circulating PD-1+ lymphocytes. Journal of Clinical Investigation, 2019, 129, 4992-5004.	8.2	107
45	Immunologic Recognition of a Shared p53 Mutated Neoantigen in a Patient with Metastatic Colorectal Cancer. Cancer Immunology Research, 2019, 7, 534-543.	3.4	100
46	Predicting T cell recognition of MHC class I restricted neoepitopes. OncoImmunology, 2018, 7, e1492508.	4.6	82
47	Recognition of NY-ESO-1+ tumor cells by engineered lymphocytes is enhanced by improved vector design and epigenetic modulation of tumor antigen expression. Cancer Immunology, Immunotherapy, 2009, 58, 383-394.	4.2	80
48	An Efficient Single-Cell RNA-Seq Approach to Identify Neoantigen-Specific T Cell Receptors. Molecular Therapy, 2018, 26, 379-389.	8.2	78
49	Multiple HLA Class II-Restricted Melanocyte Differentiation Antigens Are Recognized by Tumor-Infiltrating Lymphocytes from a Patient with Melanoma. Journal of Immunology, 2002, 169, 6036-6047.	0.8	73
50	Antigen Experienced T Cells from Peripheral Blood Recognize p53 Neoantigens. Clinical Cancer Research, 2020, 26, 1267-1276.	7.0	69
51	Breast Cancers Are Immunogenic: Immunologic Analyses and a Phase II Pilot Clinical Trial Using Mutation-Reactive Autologous Lymphocytes. Journal of Clinical Oncology, 2022, 40, 1741-1754.	1.6	65
52	A phenotypic signature that identifies neoantigen-reactive T cells in fresh human lung cancers. Cancer Cell, 2022, 40, 479-493.e6.	16.8	64
53	Tumor-Reactive CD8+ T Cells in Metastatic Gastrointestinal Cancer Refractory to Chemotherapy. Clinical Cancer Research, 2014, 20, 331-343.	7.0	55
54	Adoptive Cellular Therapy with Autologous Tumor-Infiltrating Lymphocytes and T-cell Receptorâ€“Engineered T Cells Targeting Common p53 Neoantigens in Human Solid Tumors. Cancer Immunology Research, 2022, 10, 932-946.	3.4	52

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55	Stable, Nonviral Expression of Mutated Tumor Neoantigen-specific T-cell Receptors Using the Sleeping Beauty Transposon/Transposase System. Molecular Therapy, 2016, 24, 1078-1089.	8.2	51
56	Targeting neoantigens for cancer immunotherapy: Table 1.. International Immunology, 2016, 28, 365-370.	4.0	42
57	Single-Cell Transcriptome Analysis Reveals Gene Signatures Associated with T-cell Persistence Following Adoptive Cell Therapy. Cancer Immunology Research, 2019, 7, 1824-1836.	3.4	40
58	Impact of Prior Treatment on the Efficacy of Adoptive Transfer of Tumor-Infiltrating Lymphocytes in Patients with Metastatic Melanoma. Clinical Cancer Research, 2021, 27, 5289-5298.	7.0	39
59	A machine learning model for ranking candidate HLA class I neoantigens based on known neoepitopes from multiple human tumor types. Nature Cancer, 2021, 2, 563-574.	13.2	38
60	Direct identification of neoantigen-specific TCRs from tumor specimens by high-throughput single-cell sequencing. , 2021, 9, e002595.		31
61	Expression of New York esophageal squamous cell carcinoma-1 in primary and metastatic melanoma. Human Pathology, 2014, 45, 259-267.	2.0	30
62	Tumor-Infiltrating Lymphocyte Therapy and Neoantigens. Cancer Journal (Sudbury, Mass), 2017, 23, 138-143.	2.0	30
63	Isolation and Characterization of an HLA-DPB1*04:01-restricted MAGE-A3 T-Cell Receptor for Cancer Immunotherapy. Journal of Immunotherapy, 2016, 39, 191-201.	2.4	27
64	Characterization of an Immunogenic Mutation in a Patient with Metastatic Triple-Negative Breast Cancer. Clinical Cancer Research, 2017, 23, 4347-4353.	7.0	26
65	Identification and Validation of T-cell Receptors Targeting RAS Hotspot Mutations in Human Cancers for Use in Cell-based Immunotherapy. Clinical Cancer Research, 2021, 27, 5084-5095.	7.0	26
66	Rapid Identification and Evaluation of Neoantigen-reactive T-Cell Receptors From Single Cells. Journal of Immunotherapy, 2021, 44, 1-8.	2.4	21
67	N-linked carbohydrates in tyrosinase are required for its recognition by human MHC class II-restricted CD4+ T cells. European Journal of Immunology, 2001, 31, 2690-2701.	2.9	20
68	Neoantigen Identification and Response to Adoptive Cell Transfer in Antiâ€“PD-1 NaÃ¯ve and Experienced Patients with Metastatic Melanoma. Clinical Cancer Research, 2022, 28, 3042-3052.	7.0	18
69	Impact of Cysteine Residues on MHC Binding Predictions and Recognition by Tumor-Reactive T Cells. Journal of Immunology, 2020, 205, 539-549.	0.8	14
70	Identification of neoantigen-reactive T lymphocytes in the peripheral blood of a patient with glioblastoma. , 2021, 9, e002882.		13
71	T-Cell Receptorâ€“Transduced T Cells. Cancer Journal (Sudbury, Mass), 2015, 21, 480-485.	2.0	5
72	Longitudinal Study of Recurrent Metastatic Melanoma Cell Lines Underscores the Individuality of Cancer Biology. Journal of Investigative Dermatology, 2014, 134, 1389-1396.	0.7	3

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73	Internal Checkpoint Regulates T Cell Neoantigen Reactivity and Susceptibility to PD1 Blockade. SSRN Electronic Journal, 0, , .	0.4	3
74	Antimelanoma CTL recognizes peptides derived from an ORF transcribed from the antisense strand of the 3â€² untranslated region of TRIT1. Molecular Therapy - Oncolytics, 2014, 1, 14009.	4.4	2
75	Isolation of T cell receptors specifically reactive with mutated tumor associated antigens. , 2014, 2, .		1
76	Helping Tumor Cells To Die. Journal of Immunology, 2013, 190, 1897-1898.	0.8	0
77	Unique neoantigens expressed by melanomas and common epithelial cancers presented by multiple HLA alleles can be efficiently identified utilizing peptide prediction algorithms. , 2015, 3, .		0
78	Preclinical Evaluation Of Engineered T Cells In Multiple Myeloma: Uncovering a Mechanism Of Immune Escape. Blood, 2013, 122, 4205-4205.	1.4	0
79	Immunology of Melanoma. , 2019, , 1-32.		0
80	Immunology of Melanoma. , 2020, , 41-72.		0