

George Blanck

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

1,475
citations

16
h-index

35
g-index

98
ext. papers

1,694
ext. citations

5
avg, IF

4.65
L-index

#	Paper	IF	Citations
92	A gene in the human major histocompatibility complex class II region controlling the class I antigen presentation pathway. <i>Nature</i> , 1990 , 348, 744-7	50.4	609
91	Co-occupancy of the interferon regulatory element of the class II transactivator (CIITA) type IV promoter by interferon regulatory factors 1 and 2. <i>Oncogene</i> , 1999 , 18, 5889-903	9.2	42
90	Histone deacetylase activity represses gamma interferon-inducible HLA-DR gene expression following the establishment of a DNase I-hypersensitive chromatin conformation. <i>Molecular and Cellular Biology</i> , 2001 , 21, 6495-506	4.8	39
89	Substantially reduced expression of PIAS1 is associated with colon cancer development. <i>Journal of Cancer Research and Clinical Oncology</i> , 2009 , 135, 1287-91	4.9	33
88	Detection of Productively Rearranged TcR- β -J Sequences in TCGA Exome Files: Implications for Tumor Immunoscoring and Recovery of Antitumor T-cells. <i>Cancer Informatics</i> , 2016 , 15, 23-8	2.4	29
87	Identification of immunoglobulin V(D)J recombinations in solid tumor specimen exome files: Evidence for high level B-cell infiltrates in breast cancer. <i>Human Vaccines and Immunotherapeutics</i> , 2017 , 13, 501-506	4.4	22
86	IFN-gamma inducibility of class II transactivator is specifically lacking in human tumour lines: relevance to retinoblastoma protein rescue of IFN-gamma inducibility of the HLA class II genes. <i>Immunology and Cell Biology</i> , 1997 , 75, 325-32	5	21
85	Oct-1 maintains an intermediate, stable state of HLA-DRA promoter repression in Rb-defective cells: an Oct-1-containing repressosome that prevents NF-Y binding to the HLA-DRA promoter. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28911-9	5.4	21
84	Assessing microenvironment immunogenicity using tumor specimen exomes: Co-detection of TcR- β (D)J recombinations correlates with PD-1 expression. <i>International Journal of Cancer</i> , 2017 , 140, 2568-2576	7.5	20
83	Big genes are big mutagen targets: a connection to cancerous, spherical cells?. <i>Cancer Letters</i> , 2015 , 356, 479-82	9.9	19
82	An Oct-1-based, feed-forward mechanism of apoptosis inhibited by co-culture with Raji B-cells: towards a model of the cancer cell/B-cell microenvironment. <i>Experimental and Molecular Pathology</i> , 2014 , 97, 585-9	4.4	19
81	Impaired class II transactivator expression in mice lacking interferon regulatory factor-2. <i>Oncogene</i> , 2001 , 20, 4219-27	9.2	19
80	High level class II trans-activator induction does not occur with transient activation of the IFN-gamma signaling pathway. <i>Journal of Immunology</i> , 2001 , 166, 1041-8	5.3	19
79	Recovery of T-cell receptor V(D)J recombination reads from lower grade glioma exome files correlates with reduced survival and advanced cancer grade. <i>Journal of Neuro-Oncology</i> , 2018 , 140, 697-704	4.8	19
78	T cell receptor gene recombinations in human tumor specimen exome files: detection of T cell receptor- β (D)J recombinations associates with a favorable oncologic outcome for bladder cancer. <i>Cancer Immunology, Immunotherapy</i> , 2017 , 66, 403-410	7.4	18
77	Functionally distinct gene classes as bigger or smaller transcription factor traps: a possible stochastic component to sequential gene expression programs in cancer. <i>Gene</i> , 2014 , 536, 398-406	3.8	18
76	T-cell receptor- β and J usage, in combination with particular HLA class I and class II alleles, correlates with cancer survival patterns. <i>Cancer Immunology, Immunotherapy</i> , 2018 , 67, 885-892	7.4	16

75	Immunogenomics: A Negative Prostate Cancer Outcome Associated with TcR-VJ Recombinations. <i>Cancer Microenvironment</i> , 2018 , 11, 41-49	6.1	16
74	Size matters: sequential mutations in tumorigenesis may reflect the stochastic effect of mutagen target sizes. <i>Genes and Cancer</i> , 2011 , 2, 927-31	2.9	15
73	Interferon regulatory factor-2 point mutations in human pancreatic tumors. <i>International Journal of Cancer</i> , 2000 , 87, 803-808	7.5	15
72	T cell receptor- β usage, in combination with particular HLA class II alleles, correlates with better cancer survival rates. <i>Immunologic Research</i> , 2018 , 66, 219-223	4.3	14
71	Lung tumor exome files with T-cell receptor recombinations: a mouse model of T-cell infiltrates reflecting mutation burdens. <i>Laboratory Investigation</i> , 2017 , 97, 1516-1520	5.9	14
70	MAPT (Tau) expression is a biomarker for an increased rate of survival for low-grade glioma. <i>Oncology Reports</i> , 2019 , 41, 1359-1366	3.5	14
69	Recovery of Immunoglobulin VJ Recombinations from Pancreatic Cancer Exome Files Strongly Correlates with Reduced Survival. <i>Cancer Microenvironment</i> , 2018 , 11, 51-59	6.1	13
68	TcR-V recombination in renal cell carcinoma exome files correlate with an intermediate level of T-cell exhaustion biomarkers. <i>International Immunology</i> , 2018 , 30, 35-40	4.9	13
67	Flat cells come full sphere: Are mutant cytoskeletal-related proteins oncoprotein-monsters or useful immunogens?. <i>Human Vaccines and Immunotherapeutics</i> , 2016 , 12, 120-3	4.4	13
66	Elucidating feed-forward apoptosis signatures in breast cancer datasets: Higher FOS expression associated with a better outcome. <i>Oncology Letters</i> , 2018 , 16, 2757-2763	2.6	13
65	Regulation of HLA-DR peptide occupancy by histone deacetylase inhibitors. <i>Human Vaccines and Immunotherapeutics</i> , 2013 , 9, 784-9	4.4	13
64	T-cell receptor V and J usage paired with specific HLA alleles associates with distinct cervical cancer survival rates. <i>Human Immunology</i> , 2019 , 80, 237-242	2.3	12
63	Copy number loss or silencing of apoptosis-effector genes in cancer. <i>Gene</i> , 2015 , 554, 50-7	3.8	12
62	The ADC API: A Web API for the Programmatic Query of the AIRR Data Commons. <i>Frontiers in Big Data</i> , 2020 , 3, 22	2.8	12
61	Genes that contribute to cancer fusion genes are large and evolutionarily conserved. <i>Cancer Genetics and Cytogenetics</i> , 2009 , 191, 78-84		12
60	RB and a novel E2F-1 binding protein in MHC class II deficient B-cell lines and normal IFN-gamma induction of the class II transactivator CIITA in class II non-inducible RB-defective tumor lines. <i>International Journal of Cancer</i> , 1995 , 62, 461-5	7.5	12
59	T-cell receptor- β CDR3 domain chemical features correlate with survival rates in bladder cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019 , 145, 615-623	4.9	12
58	Cytoskeleton and ECM tumor mutant peptides: Increased protease sensitivities and potential consequences for the HLA class I mutant epitope reservoir. <i>International Journal of Cancer</i> , 2018 , 142, 988-998	7.5	11

57	Electrostatic complementarity of B-cell receptor CDR3s and TP53-mutant amino acids in breast cancer is associated with increased disease-free survival rates. <i>Cellular and Molecular Immunology</i> , 2020 , 17, 776-778	15.4	11
56	Immune receptor recombinations from breast cancer exome files, independently and in combination with specific HLA alleles, correlate with better survival rates. <i>Breast Cancer Research and Treatment</i> , 2019 , 173, 167-177	4.4	11
55	Immunoscore by correlating MHC class II and TCR expression: high level immune functions represented by the KIRP dataset of TCGA. <i>Cell and Tissue Research</i> , 2016 , 363, 491-6	4.2	10
54	MAPT (Tau) expression is a biomarker for an increased rate of survival in pediatric neuroblastoma. <i>Cell Cycle</i> , 2018 , 17, 2474-2483	4.7	10
53	Smoking correlates with increased cytoskeletal protein-related coding region mutations in the lung and head and neck datasets of the cancer genome atlas. <i>Physiological Reports</i> , 2016 , 4, e13045	2.6	9
52	Mutant cytoskeletal and ECM peptides sensitive to the ST14 protease are associated with a worse outcome for glioblastoma multiforme. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 2218-2225	3.4	9
51	Mutations and regulatory anomalies effecting tumor cell immune functions. <i>Cancer Immunology, Immunotherapy</i> , 2004 , 53, 1-16	7.4	9
50	Chemical complementarity between immune receptor CDR3s and IDH1 mutants correlates with increased survival for lower grade glioma. <i>Oncogene</i> , 2020 , 39, 1773-1783	9.2	9
49	A Novel Approach to Evaluating Cancer Driver Gene Mutation Densities: Cytoskeleton-related Gene Candidates. <i>Cancer Genomics and Proteomics</i> , 2015 , 12, 283-90	3.3	9
48	Anticipating designer drug-resistant cancer cells. <i>Drug Discovery Today</i> , 2015 , 20, 790-3	8.8	8
47	Signal persistence and amplification in cancer development and possible, related opportunities for novel therapies. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015 , 1855, 18-23	11.2	8
46	A scoring system for the electrostatic complementarities of T-cell receptors and cancer-mutant amino acids: multi-cancer analyses of associated survival rates. <i>Immunology</i> , 2020 , 159, 373-383	7.8	8
45	Tumor suppressor genes are larger than apoptosis-effector genes and have more regions of active chromatin: Connection to a stochastic paradigm for sequential gene expression programs. <i>Cell Cycle</i> , 2015 , 14, 2494-500	4.7	7
44	Combined IL-8 and TGF-beta blockade efficiently prevents neutrophil infiltrates into an A549-cell tumor. <i>Immunology Letters</i> , 2009 , 122, 26-9	4.1	7
43	TRB-J1 usage, in combination with the HLA-A*01:01 allele, represents an apparent survival advantage for uterine corpus endometrial carcinoma: Comparisons with microscopic assessments of lymphocyte infiltrates. <i>International Journal of Immunogenetics</i> , 2019 , 46, 31-37	2.3	7
42	Components of the IFN-gamma signaling pathway in tumorigenesis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2002 , 50, 151-8	4	7
41	CIITA transformation rescues the apoptotic function of MHC class II in melanoma cells. <i>Anticancer Research</i> , 2005 , 25, 3889-92	2.3	7
40	Stratifying melanoma and breast cancer TCGA datasets on the basis of the CNV of transcription factor binding sites common to proliferation- and apoptosis-effector genes. <i>Gene</i> , 2017 , 614, 37-48	3.8	6

39	TCGA: Increased oncoprotein coding region mutations correlate with a greater expression of apoptosis-effector genes and a positive outcome for stomach adenocarcinoma. <i>Cell Cycle</i> , 2016 , 15, 2157-2163	4.7	6
38	MHC class II associated stomach cancer mutations correlate with lack of subsequent tumor development. <i>Molecular and Clinical Oncology</i> , 2017 , 7, 1119-1121	1.6	6
37	Impact of SNPs on CpG Islands in the MYC and HRAS oncogenes and in a wide variety of tumor suppressor genes: A multi-cancer approach. <i>Cell Cycle</i> , 2016 , 15, 1572-8	4.7	6
36	Potential MMP2-mediated availability of HLA binding, mutant ECM peptides reflects better melanoma survival rates and greater T-cell infiltrates. <i>Laboratory Investigation</i> , 2019 , 99, 1287-1295	5.9	5
35	The human, F-actin-based cytoskeleton as a mutagen sensor. <i>Cancer Cell International</i> , 2017 , 17, 121	6.4	5
34	Identification of specific feed-forward apoptosis mechanisms and associated higher survival rates for low grade glioma and lung squamous cell carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2018 , 144, 459-468	4.9	5
33	Linkage of a tumor immune function and cell cycle de-regulation via a gene regulatory network subcircuit. <i>Molecular Immunology</i> , 2009 , 46, 569-75	4.3	5
32	High-throughput, sliding-window algorithm for assessing chemical complementarity between immune receptor CDR3 domains and cancer mutant peptides: TRG-PIK3CA interactions and breast cancer. <i>Molecular Immunology</i> , 2021 , 135, 247-253	4.3	5
31	Electrostatic Complementarity of T-Cell Receptor-Alpha CDR3 Domains and Mutant Amino Acids Is Associated with Better Survival Rates for Sarcomas. <i>Pediatric Hematology and Oncology</i> , 2021 , 38, 251-264	1.7	5
30	Matrix-Metalloprotease Resistant Mucin-16 (MUC16) Peptide Mutants Represent a Worse Lung Adenocarcinoma Outcome. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800155	3.1	4
29	Protected cytoskeletal-related proteins: Towards a resolution of contradictions regarding the role of the cytoskeleton in cancer. <i>Biomedical Reports</i> , 2017 , 7, 163-168	1.8	4
28	Regulation of interlocking gene regulatory network subcircuits by a small molecule inhibitor of retinoblastoma protein (RB) phosphorylation: cancer cell expression of HLA-DR. <i>Gene</i> , 2013 , 512, 403-7	3.8	4
27	Chemical complementarity between immune receptors and cancer mutants, independent of antigen presentation protein binding, is associated with increased survival rates. <i>Translational Oncology</i> , 2021 , 14, 101069	4.9	4
26	An age-based, RNA expression paradigm for survival biomarker identification for pediatric neuroblastoma and acute lymphoblastic leukemia. <i>Cancer Cell International</i> , 2019 , 19, 73	6.4	3
25	Antiviral T Cell Receptor Complementarity Determining Region-3 Sequences Are Associated with a Worse Cancer Outcome: A Pancancer Analysis. <i>Viral Immunology</i> , 2020 , 33, 404-412	1.7	3
24	Identification of Sets of Cytoskeletal Related and Adhesion-related Coding Region Mutations in the TCGA Melanoma Dataset that Correlate with a Negative Outcome. <i>Current Genomics</i> , 2017 , 18, 287-297	2.6	3
23	MMP7 sensitivity of mutant ECM proteins: An indicator of melanoma survival rates and T-cell infiltration. <i>Clinical Biochemistry</i> , 2019 , 63, 85-91	3.5	3
22	Chemical features of blood-borne TRG CDR3s associated with an increased overall survival in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2021 , 185, 591-600	4.4	3

21	Unifying the genomics-based classes of cancer fusion gene partners: large cancer fusion genes are evolutionarily conserved. <i>Cancer Genomics and Proteomics</i> , 2012 , 9, 389-95	3.3	3
20	Class II transactivator expression in melanoma cells facilitates T-cell engulfment. <i>Anticancer Research</i> , 2015 , 35, 25-9	2.3	3
19	Systemic Adaptive Immune Parameters Associated with Neuroblastoma Outcomes: the Significance of Gamma-Delta T Cells. <i>Journal of Molecular Neuroscience</i> , 2021 , 71, 2393-2404	3.3	2
18	B-cell Receptor Recombinations in Lung Adenocarcinoma Exome Files Correlate With a Higher Overall Survival Rate. <i>Anticancer Research</i> , 2020 , 40, 2043-2051	2.3	2
17	Specific HLA alleles, paired with TCR V- and J-gene segment usage, link to distinct multiple myeloma survival rates. <i>Leukemia and Lymphoma</i> , 2021 , 62, 1711-1720	1.9	2
16	A direct mechanistic link between growth control and a tumor cell immune function: increased interleukin-8 secretion accounts for elimination of Oct-1 antisense transformants from scid mice. <i>Anticancer Research</i> , 2006 , 26, 1733-8	2.3	2
15	, systemic, deleterious amino acid substitutions are common in large cytoskeleton-related protein coding regions. <i>Biomedical Reports</i> , 2017 , 6, 211-216	1.8	1
14	Germline cytoskeletal and extra-cellular matrix-related single nucleotide variations associated with distinct cancer survival rates. <i>Gene</i> , 2018 , 669, 91-98	3.8	1
13	The future of cancer research: prevention, screening, vaccines, and tumor-specific drug combos. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 700-2	4.4	1
12	Letter to the Editor: Giant proteins and cancer chemotherapy cardiotoxicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H718	5.2	1
11	Immunogenomics of colorectal adenocarcinoma: Survival distinctions represented by immune receptor, CDR3 chemical features and high expression of BTN gene family members. <i>Cancer Treatment and Research Communications</i> , 2020 , 24, 100196	2	1
10	TRBV and TRBJ usage, when paired with specific HLA alleles, associates with distinct head and neck cancer survival rates. <i>Human Immunology</i> , 2020 , 81, 692-696	2.3	1
9	A comparison of immune receptor recombination databases sourced from tumour exome or RNAseq files: Verifications of immunological distinctions between primary and metastatic melanoma. <i>International Journal of Immunogenetics</i> , 2021 , 48, 409-418	2.3	1
8	TRAV gene segments further away from the TRAJ gene segment cluster appear more commonly in human tumor and blood samples. <i>Molecular Immunology</i> , 2019 , 116, 174-179	4.3	1
7	High-level intrinsic disorder explains the universality of CLIP binding to diverse MHC class II variants. <i>Cellular and Molecular Immunology</i> , 2018 , 15, 76-78	15.4	1
6	Chemical complementarity between immune receptor CDR3s and candidate cancer antigens correlating with reduced survival: evidence for outcome mitigation with corticosteroid treatments.. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022 , 1-9	3.6	1
5	Immunogenomics Parameters for Patient Stratification in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2022 , 1-11	4.3	1
4	HLA-DR peptide occupancy can be regulated with a wide variety of small molecules. <i>Human Vaccines and Immunotherapeutics</i> , 2016 , 12, 593-8	4.4	0

- 3 Specific TCR V-J gene segment recombinations leading to the identification pan-V-J CDR3s associated with survival distinctions: diffuse large B-cell lymphoma.. *Leukemia and Lymphoma*, **2022**, 1-9 1.9 0
- 2 QUANTITATIVE MORPHOLOGICAL AND MOLECULAR PATHOLOGY OF THE HUMAN THYMUS CORRELATE WITH INFANT CAUSE OF DEATH. *Technology and Innovation*, **2014**, 16, 55-62 0.7
- 1 Overlap of the cancer genome atlas and the immune epitope database. *Oncology Letters*, **2016**, 12, 2982-2984 2.9