

# Thomas Glen Graeber

## List of Publications by Year in descending order

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Version: 2024-02-01

119  
papers

24,784  
citations

13865

67  
h-index

18130

120  
g-index

129  
all docs

129  
docs citations

129  
times ranked

40990  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiomyocytes disrupt pyrimidine biosynthesis in nonmyocytes to regulate heart repair. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	16
2	Plasticity of Extrachromosomal and Intrachromosomal <i>BRAF</i> Amplifications in Overcoming Targeted Therapy Dosage Challenges. <i>Cancer Discovery</i> , 2022, 12, 1046-1069.	9.4	27
3	Metabolic reprogramming and epigenetic changes of vital organs in SARS-CoV-2-induced systemic toxicity. <i>JCI Insight</i> , 2021, 6, .	5.0	57
4	Melanoma dedifferentiation induced by IFN- $\beta$ epigenetic remodeling in response to anti-PD-1 therapy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	35
5	A genetically defined disease model reveals that urothelial cells can initiate divergent bladder cancer phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 563-572.	7.1	20
6	Thermodynamic energetics underlying genomic instability and whole-genome doubling in cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18880-18890.	7.1	4
7	Intracellular C4BPA Levels Regulate NF- $\kappa$ B-Dependent Apoptosis. <i>IScience</i> , 2020, 23, 101594.	4.1	10
8	Defining the ATPome reveals cross-optimization of metabolic pathways. <i>Nature Communications</i> , 2020, 11, 4319.	12.8	17
9	Somatic copy number profiling from hepatocellular carcinoma circulating tumor cells. <i>Npj Precision Oncology</i> , 2020, 4, 16.	5.4	16
10	Integrin $\beta$ 6 mediates the drug resistance of acute lymphoblastic B-cell leukemia. <i>Blood</i> , 2020, 136, 210-223.	1.4	31
11	Hexokinase 2 Is Targetable for HK1-Negative, HK2-Positive Tumors from a Wide Variety of Tissues of Origin. <i>Journal of Nuclear Medicine</i> , 2019, 60, 212-217.	5.0	18
12	A linear mixed model approach to gene expression-tumor aneuploidy association studies. <i>Scientific Reports</i> , 2019, 9, 11944.	3.3	0
13	Pan-cancer Convergence to a Small-Cell Neuroendocrine Phenotype that Shares Susceptibilities with Hematological Malignancies. <i>Cancer Cell</i> , 2019, 36, 17-34.e7.	16.8	119
14	Hyperoxia but not AOX expression mitigates pathological cardiac remodeling in a mouse model of inflammatory cardiomyopathy. <i>Scientific Reports</i> , 2019, 9, 12741.	3.3	11
15	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. <i>Nature</i> , 2019, 569, 655-662.	27.8	1,638
16	Ampk regulates IgD expression but not energy stress with B cell activation. <i>Scientific Reports</i> , 2019, 9, 8176.	3.3	15
17	Interleukin 32 expression in human melanoma. <i>Journal of Translational Medicine</i> , 2019, 17, 113.	4.4	11
18	Global alteration of T-lymphocyte metabolism by PD-L1 checkpoint involves a block of de novo nucleoside phosphate synthesis. <i>Cell Discovery</i> , 2019, 5, 62.	6.7	20

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19	Modeling Progressive Fibrosis with Pluripotent Stem Cells Identifies an Anti-fibrotic Small Molecule. <i>Cell Reports</i> , 2019, 29, 3488-3505.e9.	6.4	17
20	Systemic surfaceome profiling identifies target antigens for immune-based therapy in subtypes of advanced prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4473-E4482.	7.1	96
21	Multi-stage Differentiation Defines Melanoma Subtypes with Differential Vulnerability to Drug-Induced Iron-Dependent Oxidative Stress. <i>Cancer Cell</i> , 2018, 33, 890-904.e5.	16.8	575
22	Circulating Tumor Cells Predict Occult Metastatic Disease and Prognosis in Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2018, 25, 1000-1008.	1.5	77
23	B-Cell-Specific Diversion of Glucose Carbon Utilization Reveals a Unique Vulnerability in B Cell Malignancies. <i>Cell</i> , 2018, 173, 470-484.e18.	28.9	89
24	Mutations in an Innate Immunity Pathway Are Associated with Poor Overall Survival Outcomes and Hypoxic Signaling in Cancer. <i>Cell Reports</i> , 2018, 25, 3721-3732.e6.	6.4	22
25	Reprogramming normal human epithelial tissues to a common, lethal neuroendocrine cancer lineage. <i>Science</i> , 2018, 362, 91-95.	12.6	217
26	A Human Adult Stem Cell Signature Marks Aggressive Variants across Epithelial Cancers. <i>Cell Reports</i> , 2018, 24, 3353-3366.e5.	6.4	80
27	Making Mistakes Empowers Cancer Cells. <i>Trends in Cancer</i> , 2018, 4, 461-463.	7.4	1
28	The GSK3 Signaling Axis Regulates Adaptive Glutamine Metabolism in Lung Squamous Cell Carcinoma. <i>Cancer Cell</i> , 2018, 33, 905-921.e5.	16.8	135
29	A precision therapeutic strategy for hexokinase 1-null, hexokinase 2-positive cancers. <i>Cancer &amp; Metabolism</i> , 2018, 6, 7.	5.0	25
30	Metabolic characterization of isocitrate dehydrogenase (IDH) mutant and IDH wildtype gliomaspheres uncovers cell type-specific vulnerabilities. <i>Cancer &amp; Metabolism</i> , 2018, 6, 4.	5.0	55
31	Phosphopeptide Enrichment Coupled with Label-free Quantitative Mass Spectrometry to Investigate the Phosphoproteome in Prostate Cancer. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	11
32	Targeted Inhibition of EGFR and Glutaminase Induces Metabolic Crisis in EGFR Mutant Lung Cancer. <i>Cell Reports</i> , 2017, 18, 601-610.	6.4	125
33	Recurrent patterns of DNA copy number alterations in tumors reflect metabolic selection pressures. <i>Molecular Systems Biology</i> , 2017, 13, 914.	7.2	73
34	Metabolic gatekeeper function of B-lymphoid transcription factors. <i>Nature</i> , 2017, 542, 479-483.	27.8	175
35	Interferon Receptor Signaling Pathways Regulating PD-L1 and PD-L2 Expression. <i>Cell Reports</i> , 2017, 19, 1189-1201.	6.4	1,256
36	Primary Resistance to PD-1 Blockade Mediated by <i>JAK1/2</i> Mutations. <i>Cancer Discovery</i> , 2017, 7, 188-201.	9.4	997

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37	Ibrutinib Unmasks Critical Role of Bruton Tyrosine Kinase in Primary CNS Lymphoma. <i>Cancer Discovery</i> , 2017, 7, 1018-1029.	9.4	302
38	Lactate dehydrogenase activity drives hair follicle stem cell activation. <i>Nature Cell Biology</i> , 2017, 19, 1017-1026.	10.3	203
39	Single-cell analysis resolves the cell state transition and signaling dynamics associated with melanoma drug-induced resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13679-13684.	7.1	196
40	Precision oncology using a limited number of cells: optimization of whole genome amplification products for sequencing applications. <i>BMC Cancer</i> , 2017, 17, 457.	2.6	22
41	Reality of Single Circulating Tumor Cell Sequencing for Molecular Diagnostics in Pancreatic Cancer. <i>Journal of Molecular Diagnostics</i> , 2016, 18, 688-696.	2.8	46
42	CRAF R391W is a melanoma driver oncogene. <i>Scientific Reports</i> , 2016, 6, 27454.	3.3	13
43	JUN dependency in distinct early and late BRAF inhibition adaptation states of melanoma. <i>Cell Discovery</i> , 2016, 2, 16028.	6.7	57
44	Microgeographic Proteomic Networks of the Human Colonic Mucosa and Their Association With Inflammatory Bowel Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 567-583.	4.5	31
45	Mitochondrial Transfer by Photothermal Nanoblade Restores Metabolite Profile in Mammalian Cells. <i>Cell Metabolism</i> , 2016, 23, 921-929.	16.2	84
46	Response to Programmed Cell Death-1 Blockade in a Murine Melanoma Syngeneic Model Requires Costimulation, CD4, and CD8 T Cells. <i>Cancer Immunology Research</i> , 2016, 4, 845-857.	3.4	110
47	Phosphoproteome Integration Reveals Patient-Specific Networks in Prostate Cancer. <i>Cell</i> , 2016, 166, 1041-1054.	28.9	206
48	Î±-Ketoglutarate Accelerates the Initial Differentiation of Primed Human Pluripotent Stem Cells. <i>Cell Metabolism</i> , 2016, 24, 485-493.	16.2	212
49	Asparagine promotes cancer cell proliferation through use as an amino acid exchange factor. <i>Nature Communications</i> , 2016, 7, 11457.	12.8	386
50	Mutations Associated with Acquired Resistance to PD-1 Blockade in Melanoma. <i>New England Journal of Medicine</i> , 2016, 375, 819-829.	27.0	2,430
51	MCT1 Modulates Cancer Cell Pyruvate Export and Growth of Tumors that Co-express MCT1 and MCT4. <i>Cell Reports</i> , 2016, 14, 1590-1601.	6.4	174
52	The Role of CD44 in Glucose Metabolism in Prostatic Small Cell Neuroendocrine Carcinoma. <i>Molecular Cancer Research</i> , 2016, 14, 344-353.	3.4	37
53	PTEN opposes negative selection and enables oncogenic transformation of pre-B cells. <i>Nature Medicine</i> , 2016, 22, 379-387.	30.7	94
54	Multiplexed immunofluorescence delineates proteomic cancer cell states associated with metabolism. <i>JCI Insight</i> , 2016, 1, .	5.0	41

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55	Identification of Small Molecules that Disrupt Signaling between ABL and Its Positive Regulator RIN1. PLoS ONE, 2015, 10, e0121833.	2.5	2
56	Tyrosine phosphorylation of RAS by ABL allosterically enhances effector binding. FASEB Journal, 2015, 29, 3750-3761.	0.5	40
57	MITF drives endolysosomal biogenesis and potentiates Wnt signaling in melanoma cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E420-9.	7.1	194
58	Combination of pan-RAF and MEK inhibitors in NRAS mutant melanoma. Molecular Cancer, 2015, 14, 27.	19.2	49
59	2-Hydroxyglutarate Inhibits ATP Synthase and mTOR Signaling. Cell Metabolism, 2015, 22, 508-515.	16.2	190
60	DNA-PKcs-Mediated Transcriptional Regulation Drives Prostate Cancer Progression and Metastasis. Cancer Cell, 2015, 28, 97-113.	16.8	148
61	Inhibition of colony stimulating factor-1 receptor improves antitumor efficacy of BRAF inhibition. BMC Cancer, 2015, 15, 356.	2.6	48
62	Improved antitumor activity of immunotherapy with BRAF and MEK inhibitors in <i>BRAF</i> <sup>V600E</sup> melanoma. Science Translational Medicine, 2015, 7, 279ra41.	12.4	470
63	Signalling thresholds and negative B-cell selection in acute lymphoblastic leukaemia. Nature, 2015, 521, 357-361.	27.8	127
64	MYC-induced reprogramming of glutamine catabolism supports optimal virus replication. Nature Communications, 2015, 6, 8873.	12.8	119
65	Comparison of Molecular Signatures from Multiple Skin Diseases Identifies Mechanisms of Immunopathogenesis. Journal of Investigative Dermatology, 2015, 135, 151-159.	0.7	35
66	Phosphoproteomic Analysis of Platelets Activated by Pro-Thrombotic Oxidized Phospholipids and Thrombin. PLoS ONE, 2014, 9, e84488.	2.5	31
67	Complexity of metastasis-associated SDF-1 ligand signaling in breast cancer stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7503-7504.	7.1	7
68	Reprogramming of gut microbiome energy metabolism by the <i>FUT2</i> Crohn's disease risk polymorphism. ISME Journal, 2014, 8, 2193-2206.	9.8	182
69	Low MITF/AXL ratio predicts early resistance to multiple targeted drugs in melanoma. Nature Communications, 2014, 5, 5712.	12.8	503
70	Inhibition of CSF-1 Receptor Improves the Antitumor Efficacy of Adoptive Cell Transfer Immunotherapy. Cancer Research, 2014, 74, 153-161.	0.9	249
71	Phosphoproteomic Profiling Reveals IL6-Mediated Paracrine Signaling within the Ewing Sarcoma Family of Tumors. Molecular Cancer Research, 2014, 12, 1740-1754.	3.4	17
72	Adenovirus E4ORF1-Induced MYC Activation Promotes Host Cell Anabolic Glucose Metabolism and Virus Replication. Cell Metabolism, 2014, 19, 694-701.	16.2	209

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73	CTLA4 Blockade Broadens the Peripheral T-Cell Receptor Repertoire. <i>Clinical Cancer Research</i> , 2014, 20, 2424-2432.	7.0	323
74	Antitumor activity of the ERK inhibitor SCH722984 against BRAF mutant, NRAS mutant and wild-type melanoma. <i>Molecular Cancer</i> , 2014, 13, 194.	19.2	90
75	COX-2 inhibition prevents the appearance of cutaneous squamous cell carcinomas accelerated by BRAF inhibitors. <i>Molecular Oncology</i> , 2014, 8, 250-260.	4.6	37
76	Effects of MAPK and PI3K Pathways on PD-L1 Expression in Melanoma. <i>Clinical Cancer Research</i> , 2014, 20, 3446-3457.	7.0	294
77	Integrative analysis of the microbiome and metabolome of the human intestinal mucosal surface reveals exquisite inter-relationships. <i>Microbiome</i> , 2013, 1, 17.	11.1	256
78	BACH2 mediates negative selection and p53-dependent tumor suppression at the pre-B cell receptor checkpoint. <i>Nature Medicine</i> , 2013, 19, 1014-1022.	30.7	100
79	An Essential Requirement for the SCAP/SREBP Signaling Axis to Protect Cancer Cells from Lipotoxicity. <i>Cancer Research</i> , 2013, 73, 2850-2862.	0.9	148
80	Type I Interferon Suppresses Type II Interferon-Triggered Human Anti-Mycobacterial Responses. <i>Science</i> , 2013, 339, 1448-1453.	12.6	359
81	Sterol regulatory element-binding proteins are essential for the metabolic programming of effector T cells and adaptive immunity. <i>Nature Immunology</i> , 2013, 14, 489-499.	14.5	394
82	An Inhibitor of Mutant IDH1 Delays Growth and Promotes Differentiation of Glioma Cells. <i>Science</i> , 2013, 340, 626-630.	12.6	1,014
83	Phosphoproteomic Analysis of Aortic Endothelial Cells Activated by Oxidized Phospholipids. <i>Methods in Molecular Biology</i> , 2013, 1000, 53-69.	0.9	3
84	Metastatic castration-resistant prostate cancer reveals intrapatient similarity and interpatient heterogeneity of therapeutic kinase targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4762-9.	7.1	99
85	Host immunity contributes to the anti-melanoma activity of BRAF inhibitors. <i>Journal of Clinical Investigation</i> , 2013, 123, 1371-1381.	8.2	256
86	Host immunity contributes to the anti-melanoma activity of BRAF inhibitors. <i>Journal of Clinical Investigation</i> , 2013, 123, 3182-3182.	8.2	3
87	Doxycycline Alters Metabolism and Proliferation of Human Cell Lines. <i>PLoS ONE</i> , 2013, 8, e64561.	2.5	130
88	BRAF Inhibitor Vemurafenib Improves the Antitumor Activity of Adoptive Cell Immunotherapy. <i>Cancer Research</i> , 2012, 72, 3928-3937.	0.9	210
89	MicroRNA-21 targets the vitamin D-dependent antimicrobial pathway in leprosy. <i>Nature Medicine</i> , 2012, 18, 267-273.	30.7	190
90	NOD2 triggers an interleukin-32-dependent human dendritic cell program in leprosy. <i>Nature Medicine</i> , 2012, 18, 555-563.	30.7	118

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91	Glucose deprivation activates a metabolic and signaling amplification loop leading to cell death. <i>Molecular Systems Biology</i> , 2012, 8, 589.	7.2	168
92	Oncogene-specific activation of tyrosine kinase networks during prostate cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1643-1648.	7.1	144
93	Determining PTEN Functional Status by Network Component Deduced Transcription Factor Activities. <i>PLoS ONE</i> , 2012, 7, e31053.	2.5	10
94	BCL6 enables Ph+ acute lymphoblastic leukaemia cells to survive BCR-ABL1 kinase inhibition. <i>Nature</i> , 2011, 473, 384-388.	27.8	174
95	Cell Autonomous Role of PTEN in Regulating Castration-Resistant Prostate Cancer Growth. <i>Cancer Cell</i> , 2011, 19, 792-804.	16.8	449
96	RAF inhibitor resistance is mediated by dimerization of aberrantly spliced BRAF(V600E). <i>Nature</i> , 2011, 480, 387-390.	27.8	1,298
97	18F-Fluorodeoxy-glucose Positron Emission Tomography Marks MYC-Overexpressing Human Basal-Like Breast Cancers. <i>Cancer Research</i> , 2011, 71, 5164-5174.	0.9	113
98	Global Phosphoproteomics Reveals Crosstalk Between Bcr-Abl and Negative Feedback Mechanisms Controlling Src Signaling. <i>Science Signaling</i> , 2011, 4, ra18.	3.6	56
99	An integrated approach to dissecting oncogene addiction implicates a Myb-coordinated self-renewal program as essential for leukemia maintenance. <i>Genes and Development</i> , 2011, 25, 1628-1640.	5.9	242
100	A Metaproteomic Approach to Study Human-Microbial Ecosystems at the Mucosal Luminal Interface. <i>PLoS ONE</i> , 2011, 6, e26542.	2.5	73
101	The Impact of Ex Vivo Clinical Grade Activation Protocols on Human T-cell Phenotype and Function for the Generation of Genetically Modified Cells for Adoptive Cell Transfer Therapy. <i>Journal of Immunotherapy</i> , 2010, 33, 759-768.	2.4	21
102	A Microfluidic Platform for Systems Pathology: Multiparameter Single-Cell Signaling Measurements of Clinical Brain Tumor Specimens. <i>Cancer Research</i> , 2010, 70, 6128-6138.	0.9	106
103	Integrated Microfluidic and Imaging Platform for a Kinase Activity Radioassay to Analyze Minute Patient Cancer Samples. <i>Cancer Research</i> , 2010, 70, 8299-8308.	0.9	51
104	Rank-rank hypergeometric overlap: identification of statistically significant overlap between gene-expression signatures. <i>Nucleic Acids Research</i> , 2010, 38, e169-e169.	14.5	357
105	Activation of Aortic Endothelial Cells by Oxidized Phospholipids: A Phosphoproteomic Analysis. <i>Journal of Proteome Research</i> , 2010, 9, 2812-2824.	3.7	38
106	Fyn and Src Are Effectors of Oncogenic Epidermal Growth Factor Receptor Signaling in Glioblastoma Patients. <i>Cancer Research</i> , 2009, 69, 6889-6898.	0.9	136
107	Vascular Endothelial Growth Factor Receptor 2 Plays a Role in the Activation of Aortic Endothelial Cells by Oxidized Phospholipids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 332-338.	2.4	43
108	Phosphorylation of the ATP-binding loop directs oncogenicity of drug-resistant BCR-ABL mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19466-19471.	7.1	136

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109	Cross-species comparisons of cancer signaling. <i>Nature Genetics</i> , 2005, 37, 7-8.	21.4	23
110	TLR activation triggers the rapid differentiation of monocytes into macrophages and dendritic cells. <i>Nature Medicine</i> , 2005, 11, 653-660.	30.7	361
111	Myc-driven murine prostate cancer shares molecular features with human prostate tumors. <i>Cancer Cell</i> , 2005, 8, 485.	16.8	0
112	Myc-driven murine prostate cancer shares molecular features with human prostate tumors. <i>Cancer Cell</i> , 2003, 4, 223-238.	16.8	709
113	Heterogeneity of molecular targets on clonal cancer lines derived from a novel hormone-refractory prostate cancer tumor system. <i>Prostate</i> , 2003, 55, 299-307.	2.3	20
114	Visualization and interpretation of protein networks in <i>Mycobacterium tuberculosis</i> based on hierarchical clustering of genome-wide functional linkage maps. <i>Nucleic Acids Research</i> , 2003, 31, 7099-7109.	14.5	55
115	Use of Genetic Profiling in Leprosy to Discriminate Clinical Forms of the Disease. <i>Science</i> , 2003, 301, 1527-1530.	12.6	151
116	Gene expression in epithelial ovarian carcinoma. <i>Oncogene</i> , 2002, 21, 6289-6298.	5.9	95
117	Bioinformatic identification of potential autocrine signaling loops in cancers from gene expression profiles. <i>Nature Genetics</i> , 2001, 29, 295-300.	21.4	122
118	Rapid Gene Repression Triggered by Interleukin-6 at the Onset of Monocyte Differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 863-869.	2.1	5
119	Hypoxia-mediated selection of cells with diminished apoptotic potential in solid tumours. <i>Nature</i> , 1996, 379, 88-91.	27.8	2,223