Tamar Geiger

List of Publications by Citations

72 papers	6,814 citations	32 h-index	80 g-index
80 ext. papers	9,621 ext. citations	14.2 avg, IF	5.95 L-index

#	Paper	IF	Citations
72	The Perseus computational platform for comprehensive analysis of (prote)omics data. *Nature Methods*, **2016**, 13, 731-40	21.6	3257
71	Super-SILAC mix for quantitative proteomics of human tumor tissue. *Nature Methods*, **2010**, 7, 383-5	21.6	431
70	A dynamic interface between vacuoles and mitochondria in yeast. *Developmental Cell*, **2014**, 30, 95-102	10.2	266
69	Use of stable isotope labeling by amino acids in cell culture as a spike-in standard in quantitative proteomics. *Nature Protocols*, **2011**, 6, 147-57	18.8	232
68	Proteomics on an Orbitrap benchtop mass spectrometer using all-ion fragmentation. *Molecular and Cellular Proteomics*, **2010**, 9, 2252-61	7.6	189
67	Proteomic maps of breast cancer subtypes. *Nature Communications*, **2016**, 7, 10259	17.4	178
66	Tumor macrophages are pivotal constructors of tumor collagenous matrix. *Journal of Experimental Medicine*, **2016**, 213, 2315-2331	16.6	174
65	Predicting cancer-specific vulnerability via data-driven detection of synthetic lethality. *Cell*, **2014**, 158, 1199-1209	56.2	167
64	Lam6 Regulates the Extent of Contacts between Organelles. *Cell Reports*, **2015**, 12, 7-14	10.6	140
63	Proteomics of Melanoma Response to Immunotherapy Reveals Mitochondrial Dependence. *Cell*, **2019**, 179, 236-250.e18	56.2	107
62	Proteomic portrait of human breast cancer progression identifies novel prognostic markers. *Cancer Research*, **2012**, 72, 2428-39	10.1	107
61	Tumor-derived osteopontin reprograms normal mammary fibroblasts to promote inflammation and tumor growth in breast cancer. *Cancer Research*, **2015**, 75, 963-73	10.1	98
60	The Proteome of Primary Prostate Cancer. *European Urology*, **2016**, 69, 942-52	10.2	97
59	Senescent cells communicate via intercellular protein transfer. *Genes and Development*, **2015**, 29, 791-802	12.6	82
58	Opening the floodgates: proteomics and the integrin adhesome. *Current Opinion in Cell Biology*, **2012**, 24, 562-8	9	78
57	UBQLN4 Represses Homologous Recombination and Is Overexpressed in Aggressive Tumors. *Cell*, **2019**, 176, 505-519.e22	56.2	68
56	System-wide Clinical Proteomics of Breast Cancer Reveals Global Remodeling of Tissue Homeostasis. *Cell Systems*, **2016**, 2, 172-84	10.6	63

55	Genome-wide identification and quantification of protein synthesis in cultured cells and whole tissues by puromycin-associated nascent chain proteomics (PUNCH-P). *Nature Protocols*, **2014**, 9, 751-60	18.8	52
54	Mitochondrial Regulation of the Hippocampal Firing Rate Set Point and Seizure Susceptibility. *Neuron*, **2019**, 102, 1009-1024.e8	13.9	51
53	Down-regulation of LATS kinases alters p53 to promote cell migration. *Genes and Development*, **2015**, 29, 2325-30	12.6	49
52	Breast cancer tumorigenicity is dependent on high expression levels of NAF-1 and the lability of its Fe-S clusters. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10890-5	11.5	49
51	MiR-375 promotes redifferentiation of adult human □cells expanded in vitro. *PLoS ONE*, **2015**, 10, e0122108	3.7	48
50	The Proteome of Prostate Cancer Bone Metastasis Reveals Heterogeneity with Prognostic Implications. *Clinical Cancer Research*, **2018**, 24, 5433-5444	12.9	44
49	Spatiotemporal Proteomic Analysis of Stress Granule Disassembly Using APEX Reveals Regulation by SUMOylation and Links to ALS Pathogenesis. *Molecular Cell*, **2020**, 80, 876-891.e6	17.6	44
48	Reduced changes in protein compared to mRNA levels across non-proliferating tissues. *BMC Genomics*, **2017**, 18, 305	4.5	43
47	Elucidation of Signaling Pathways from Large-Scale Phosphoproteomic Data Using Protein Interaction Networks. *Cell Systems*, **2016**, 3, 585-593.e3	10.6	42
46	Clinical Proteomics of Breast Cancer Reveals a Novel Layer of Breast Cancer Classification. *Cancer Research*, **2018**, 78, 6001-6010	10.1	38
45	Specific inhibition of splicing factor activity by decoy RNA oligonucleotides. *Nature Communications* , **2019**, 10, 1590	17.4	37
44	Myelin-associated glycoprotein gene mutation causes Pelizaeus-Merzbacher disease-like disorder. *Brain*, **2015**, 138, 2521-36	11.2	37
43	Systematic Detection of Amino Acid Substitutions in Proteomes Reveals Mechanistic Basis of Ribosome Errors and Selection for Translation Fidelity. *Molecular Cell*, **2019**, 75, 427-441.e5	17.6	36
42	Rescue of embryonic stem cells from cellular transformation by proteomic stabilization of mutant p53 and conversion into WT conformation. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7006-11	11.5	36
41	Uncovering Hidden Layers of Cell Cycle Regulation through Integrative Multi-omic Analysis. *PLoS Genetics*, **2015**, 11, e1005554	6	34
40	Proteomics of microparticles with SILAC Quantification (PROMIS-Quan): a novel proteomic method for plasma biomarker quantification. *Molecular and Cellular Proteomics*, **2015**, 14, 1127-36	7.6	32
39	Anti-tumour immunity induces aberrant peptide presentation in melanoma. *Nature*, **2021**, 590, 332-337	50.4	28
38	Mutant eIF2B leads to impaired mitochondrial oxidative phosphorylation in vanishing white matter disease. *Journal of Neurochemistry*, **2017**, 141, 694-707	6	26

37	PDZD8 interacts with Protrudin and Rab7 at ER-late endosome membrane contact sites associated with mitochondria. *Nature Communications*, **2020**, 11, 3645	17.4	26
36	Microvesicle Proteomic Profiling of Uterine Liquid Biopsy for Ovarian Cancer Early Detection. *Molecular and Cellular Proteomics*, **2019**, 18, 865-875	7.6	25
35	Proteomic analysis of polyribosomes identifies splicing factors as potential regulators of translation during mitosis. *Nucleic Acids Research*, **2017**, 45, 5945-5957	20.1	23
34	Cell shape alteration during adipogenesis is associated with coordinated matrix cues. *Journal of Cellular Physiology*, **2019**, 234, 3850-3863	7	23
33	Simultaneous Integration of Multi-omics Data Improves the Identification of Cancer Driver Modules. *Cell Systems*, **2019**, 8, 456-466.e5	10.6	21
32	Proteomics-level analysis of myelin formation and regeneration in a mouse model for Vanishing White Matter disease. *Journal of Neurochemistry*, **2015**, 134, 513-26	6	21
31	Next-Generation Proteomics and Its Application to Clinical Breast Cancer Research. *American Journal of Pathology*, **2017**, 187, 2175-2184	5.8	21
30	IGF1R signaling drives antiestrogen resistance through PAK2/PIX activation in luminal breast cancer. *Oncogene*, **2018**, 37, 1869-1884	9.2	19
29	The focal adhesion protein PINCH-1 associates with EPLIN at integrin adhesion sites. *Journal of Cell Science*, **2015**, 128, 1023-33	5.3	17
28	TMPRSS2-ERG fusion protein regulates insulin-like growth factor-1 receptor (IGF1R) gene expression in prostate cancer: involvement of transcription factor Sp1. *Oncotarget*, **2016**, 7, 51375-51392	3.3	17
27	Proteomic patterns associated with response to breast cancer neoadjuvant treatment. *Molecular Systems Biology*, **2020**, 16, e9443	12.2	15
26	Phosphoproteomics reveals novel modes of function and inter-relationships among PIKKs in response to genotoxic stress. *EMBO Journal*, **2021**, 40, e104400	13	14
25	Phosphoproteomic analysis reveals Smarcb1 dependent EGFR signaling in Malignant Rhabdoid tumor cells. *Molecular Cancer*, **2015**, 14, 167	42.1	11
24	PUNCH-P for global translatome profiling: Methodology, insights and comparison to other techniques. *Translation*, **2013**, 1, e27516		11
23	Pleiotropic tumor suppressor functions of WWOX antagonize metastasis. *Signal Transduction and Targeted Therapy*, **2020**, 5, 43	21	11
22	Regulation of Elg1 activity by phosphorylation. *Cell Cycle*, **2015**, 14, 3689-97	4.7	10
21	The landscape of tiered regulation of breast cancer cell metabolism. *Scientific Reports*, **2019**, 9, 17760	4.9	9
20	Nuclear poly(A)-binding protein 1 is an ATM target and essential for DNA double-strand break repair. *Nucleic Acids Research*, **2018**, 46, 730-747	20.1	6

19	Proteomic and genomic signatures of repeat instability in cancer and adjacent normal tissues. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16987-16996	11.5	6
18	MicroRNAs Affect Complement Regulator Expression and Mitochondrial Activity to Modulate Cell Resistance to Complement-Dependent Cytotoxicity. *Cancer Immunology Research*, **2019**, 7, 1970-1983	12.5	6
17	Proteogenomics of glioblastoma associates molecular patterns with survival. *Cell Reports*, **2021**, 34, 108787	18.6	6
16	Distinct extracellular-matrix remodeling events precede symptoms of inflammation. *Matrix Biology*, **2021**, 96, 47-68	11.4	6
15	Identification of nucleolar protein NOM1 as a novel nuclear IGF1R-interacting protein. *Molecular Genetics and Metabolism*, **2019**, 126, 259-265	3.7	4
14	Serine Biosynthesis Is a Metabolic Vulnerability in IDH2-Driven Breast Cancer Progression. *Cancer Research*, **2021**, 81, 1443-1456	10.1	4
13	Clinical Proteomics of Metastatic Melanoma Reveals Profiles of Organ Specificity and Treatment Resistance. *Clinical Cancer Research*, **2021**, 27, 2074-2086	12.9	3
12	Metastasis-Entrained Eosinophils Enhance Lymphocyte-Mediated Antitumor Immunity. *Cancer Research*, **2021**, 81, 5555-5571	10.1	3
11	NF-B-miR-155 axis activation mediates ovulation-induced oncogenic effects in fallopian tube epithelium. *Carcinogenesis*, **2020**, 41, 1703-1712	4.6	2
10	Plasma Biomarker Identification and Quantification by Microparticle Proteomics. *Methods in Molecular Biology*, **2017**, 1619, 477-486	1.4	2
9	Distinct extracellular-matrix remodeling events precede symptoms of inflammation		2
8	Nascent Ribo-Seq measures ribosomal loading time and reveals kinetic impact on ribosome density. *Nature Methods*, **2021**, 18, 1068-1074	21.6	2
7	Spontaneous regression of micro-metastases following primary tumor excision: a critical role for primary tumor secretome. *BMC Biology*, **2020**, 18, 163	7.3	1
6	S101, an Inhibitor of Proliferating T Cells, Rescues Mice From Superantigen-Induced Shock. *Journal of Infectious Diseases*, **2018**, 217, 288-297	7	1
5	Disrupted neural correlates of anesthesia and sleep reveal early circuit dysfunctions in Alzheimer models.. *Cell Reports*, **2022**, 38, 110268	10.6	1
4	ModulOmics: Integrating Multi-Omics Data to Identify Cancer Driver Modules		1
3	IRS1 phosphorylation underlies the non-stochastic probability of cancer cells to persist during EGFR inhibition therapy.. *Nature Cancer*, **2021**, 2, 1055-1070	15.4	0
2	Nucleoporin-93 reveals a common feature of aggressive breast cancers: robust nucleocytoplasmic transport of transcription factors.. *Cell Reports*, **2022**, 38, 110418	10.6	0

1 Across the Globe: Proteogenomic Landscapes of Lung Cancer. *Cell*, **2020**, 182, 9-11 56.2