Tao Wang

List of Publications by Year
in descending order

39 papers	2,690 citations	257450 24 h-index	302126 39 g-index
48 all docs	48 docs citations	48 times ranked	5582 citing authors

#	Article	IF	Citations
1	A community computational challenge to predict the activity of pairs of compounds. Nature Biotechnology, 2014, 32, 1213-1222.	17.5	264
2	ASCL1 is a lineage oncogene providing therapeutic targets for high-grade neuroendocrine lung cancers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14788-14793.	7.1	205
3	Somatic Mutations Increase Hepatic Clonal Fitness and Regeneration in Chronic Liver Disease. Cell, 2019, 177, 608-621.e12.	28.9	167
4	Liver homeostasis is maintained by midlobular zone 2 hepatocytes. Science, 2021, 371, .	12.6	154
5	DNA Sensing in Mismatch Repair-Deficient Tumor Cells Is Essential for Anti-tumor Immunity. Cancer Cell, 2021, 39, 96-108.e6.	16.8	153
6	SCINA: Semi-Supervised Analysis of Single Cells in Silico. Genes, 2019, 10, 531.	2.4	150
7	An Empirical Approach Leveraging Tumorgrafts to Dissect the Tumor Microenvironment in Renal Cell Carcinoma Identifies Missing Link to Prognostic Inflammatory Factors. Cancer Discovery, 2018, 8, 1142-1155.	9.4	138
8	Modeling Renal Cell Carcinoma in Mice: *Bap1* and *Pbrm1* Inactivation Drive Tumor Grade. Cancer Discovery, 2017, 7, 900-917.	9.4	128
9	Prediction of overall survival for patients with metastatic castration-resistant prostate cancer: development of a prognostic model through a crowdsourced challenge with open clinical trial data. Lancet Oncology, The, 2017, 18, 132-142.	10.7	124
10	HIF-2 Complex Dissociation, Target Inhibition, and Acquired Resistance with PT2385, a First-in-Class HIF-2 Inhibitor, in Patients with Clear Cell Renal Cell Carcinoma. Clinical Cancer Research, 2020, 26, 793-803.	7.0	117
11	Deep learning-based prediction of the T cell receptor–antigen binding specificity. Nature Machine Intelligence, 2021, 3, 864-875.	16.0	99
12	Prediction of human population responses to toxic compounds by a collaborative competition. Nature Biotechnology, 2015, 33, 933-940.	17.5	88
13	Real-time resolution of point mutations that cause phenovariance in mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E440-9.	7.1	75
14	Crowdsourced assessment of common genetic contribution to predicting anti-TNF treatment response in rheumatoid arthritis. Nature Communications, 2016, 7, 12460.	12.8	73
15	Large-scale forward genetics screening identifies Trpa1 as a chemosensor for predator odor-evoked innate fear behaviors. Nature Communications, 2018, 9, 2041.	12.8	71
16	Creatine maintains intestinal homeostasis and protects against colitis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1273-E1281.	7.1	56
17	Mice With Increased Numbers of Polyploid Hepatocytes Maintain Regenerative Capacity But Develop Fewer Hepatocellular Carcinomas Following Chronic Liver Injury. Gastroenterology, 2020, 158, 1698-1712.e14.	1.3	55
18	Pancreatic tropism of metastatic renal cell carcinoma. JCI Insight, 2020, 5, .	5.0	55

#	Article	IF	Citations
19	High-dimensional genomic data bias correction and data integration using MANCIE. Nature Communications, 2016, 7, 11305.	12.8	52
20	Mapping the functional landscape of T cell receptor repertoires by single-T cell transcriptomics. Nature Methods, 2021, 18, 92-99.	19.0	52
21	DNA Repair Gene Mutations as Predictors of Immune Checkpoint Inhibitor Response beyond Tumor Mutation Burden. Cell Reports Medicine, 2020, 1, 100034.	6.5	46
22	Cell-autonomous immune gene expression is repressed in pulmonary neuroendocrine cells and small cell lung cancer. Communications Biology, 2021, 4, 314.	4.4	44
23	Probability of phenotypically detectable protein damage by ENU-induced mutations in the Mutagenetix database. Nature Communications, 2018, 9, 441.	12.8	43
24	Tumor neoantigenicity assessment with CSiN score incorporates clonality and immunogenicity to predict immunotherapy outcomes. Science Immunology, 2020, 5, .	11.9	39
25	Spatial molecular profiling: platforms, applications and analysis tools. Briefings in Bioinformatics, 2021, 22, .	6.5	28
26	Determinants of renal cell carcinoma invasion and metastatic competence. Nature Communications, 2021, 12, 5760.	12.8	25
27	Dual ARID1A/ARID1B loss leads to rapid carcinogenesis and disruptive redistribution of BAF complexes. Nature Cancer, 2020, 1, 909-922.	13.2	24
28	Immune Checkpoint Inhibition is Safe and Effective for Liver Cancer Prevention in a Mouse Model of Hepatocellular Carcinoma. Cancer Prevention Research, 2020, 13, 911-922.	1.5	20
29	A Community Challenge for Inferring Genetic Predictors of Gene Essentialities through Analysis of a Functional Screen of Cancer Cell Lines. Cell Systems, 2017, 5, 485-497.e3.	6.2	19
30	Deciphering Intratumoral Molecular Heterogeneity in Clear Cell Renal Cell Carcinoma with a Radiogenomics Platform. Clinical Cancer Research, 2021, 27, 4794-4806.	7.0	17
31	A comparative study of multiple instance learning methods for cancer detection using T-cell receptor sequences. Computational and Structural Biotechnology Journal, 2021, 19, 3255-3268.	4.1	15
32	Overcoming Expressional Drop-outs in Lineage Reconstruction from Single-Cell RNA-Sequencing Data. Cell Reports, 2021, 34, 108589.	6.4	13
33	A DREAM Challenge to Build Prediction Models for Short-Term Discontinuation of Docetaxel in Metastatic Castration-Resistant Prostate Cancer. JCO Clinical Cancer Informatics, 2017, 1, 1-15.	2.1	12
34	Outcome and Immune Correlates of a Phase II Trial of High-Dose Interleukin-2 and Stereotactic Ablative Radiotherapy for Metastatic Renal Cell Carcinoma. Clinical Cancer Research, 2021, 27, 6716-6725.	7.0	12
35	Interpreting the B-cell receptor repertoire with single-cell gene expression using Benisse. Nature Machine Intelligence, 2022, 4, 596-604.	16.0	11
36	BepiTBR: T-B reciprocity enhances B cell epitope prediction. IScience, 2022, 25, 103764.	4.1	9

#	Article	IF	Citations
37	Bayesian multiple instance regression for modeling immunogenic neoantigens. Statistical Methods in Medical Research, 2020, 29, 3032-3047.	1.5	8
38	Dominant atopy risk mutations identified by mouse forward genetic analysis. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1095-1108.	5.7	7
39	Neoantigen Clonal Balance Predicts Immunotherapy Outcomes and Prognosis. SSRN Electronic Journal, 0, , .	0.4	0