

# Tao Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

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	BepiTBR: T-B reciprocity enhances B cell epitope prediction. <i>IScience</i> , 2022, 25, 103764.	4.1	9
2	Interpreting the B-cell receptor repertoire with single-cell gene expression using Benisse. <i>Nature Machine Intelligence</i> , 2022, 4, 596-604.	16.0	11
3	Spatial molecular profiling: platforms, applications and analysis tools. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	28
4	DNA Sensing in Mismatch Repair-Deficient Tumor Cells Is Essential for Anti-tumor Immunity. <i>Cancer Cell</i> , 2021, 39, 96-108.e6.	16.8	153
5	Dominant atopy risk mutations identified by mouse forward genetic analysis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1095-1108.	5.7	7
6	Overcoming Expressional Drop-outs in Lineage Reconstruction from Single-Cell RNA-Sequencing Data. <i>Cell Reports</i> , 2021, 34, 108589.	6.4	13
7	Mapping the functional landscape of T cell receptor repertoires by single-T cell transcriptomics. <i>Nature Methods</i> , 2021, 18, 92-99.	19.0	52
8	Liver homeostasis is maintained by midlobular zone 2 hepatocytes. <i>Science</i> , 2021, 371, .	12.6	154
9	Cell-autonomous immune gene expression is repressed in pulmonary neuroendocrine cells and small cell lung cancer. <i>Communications Biology</i> , 2021, 4, 314.	4.4	44
10	Deciphering Intratumoral Molecular Heterogeneity in Clear Cell Renal Cell Carcinoma with a Radiogenomics Platform. <i>Clinical Cancer Research</i> , 2021, 27, 4794-4806.	7.0	17
11	Deep learning-based prediction of the T cell receptor's antigen binding specificity. <i>Nature Machine Intelligence</i> , 2021, 3, 864-875.	16.0	99
12	A comparative study of multiple instance learning methods for cancer detection using T-cell receptor sequences. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3255-3268.	4.1	15
13	Determinants of renal cell carcinoma invasion and metastatic competence. <i>Nature Communications</i> , 2021, 12, 5760.	12.8	25
14	Outcome and Immune Correlates of a Phase II Trial of High-Dose Interleukin-2 and Stereotactic Ablative Radiotherapy for Metastatic Renal Cell Carcinoma. <i>Clinical Cancer Research</i> , 2021, 27, 6716-6725.	7.0	12
15	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. <i>Clinical Cancer Research</i> , 2020, 26, 793-803.	7.0	117
16	Immune Checkpoint Inhibition is Safe and Effective for Liver Cancer Prevention in a Mouse Model of Hepatocellular Carcinoma. <i>Cancer Prevention Research</i> , 2020, 13, 911-922.	1.5	20
17	Dual ARID1A/ARID1B loss leads to rapid carcinogenesis and disruptive redistribution of BAF complexes. <i>Nature Cancer</i> , 2020, 1, 909-922.	13.2	24
18	Bayesian multiple instance regression for modeling immunogenic neoantigens. <i>Statistical Methods in Medical Research</i> , 2020, 29, 3032-3047.	1.5	8

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19	DNA Repair Gene Mutations as Predictors of Immune Checkpoint Inhibitor Response beyond Tumor Mutation Burden. <i>Cell Reports Medicine</i> , 2020, 1, 100034.	6.5	46
20	Tumor neoantigenicity assessment with CSiN score incorporates clonality and immunogenicity to predict immunotherapy outcomes. <i>Science Immunology</i> , 2020, 5, .	11.9	39
21	Mice With Increased Numbers of Polyploid Hepatocytes Maintain Regenerative Capacity But Develop Fewer Hepatocellular Carcinomas Following Chronic Liver Injury. <i>Gastroenterology</i> , 2020, 158, 1698-1712.e14.	1.3	55
22	Pancreatic tropism of metastatic renal cell carcinoma. <i>JCI Insight</i> , 2020, 5, .	5.0	55
23	SCINA: Semi-Supervised Analysis of Single Cells in Silico. <i>Genes</i> , 2019, 10, 531.	2.4	150
24	Somatic Mutations Increase Hepatic Clonal Fitness and Regeneration in Chronic Liver Disease. <i>Cell</i> , 2019, 177, 608-621.e12.	28.9	167
25	Probability of phenotypically detectable protein damage by ENU-induced mutations in the Mutagenetix database. <i>Nature Communications</i> , 2018, 9, 441.	12.8	43
26	Large-scale forward genetics screening identifies <i>Trpa1</i> as a chemosensor for predator odor-evoked innate fear behaviors. <i>Nature Communications</i> , 2018, 9, 2041.	12.8	71
27	An Empirical Approach Leveraging Tumorgrafts to Dissect the Tumor Microenvironment in Renal Cell Carcinoma Identifies Missing Link to Prognostic Inflammatory Factors. <i>Cancer Discovery</i> , 2018, 8, 1142-1155.	9.4	138
28	Creatine maintains intestinal homeostasis and protects against colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1273-E1281.	7.1	56
29	Modeling Renal Cell Carcinoma in Mice: <i>Bap1</i> and <i>Pbrm1</i> Inactivation Drive Tumor Grade. <i>Cancer Discovery</i> , 2017, 7, 900-917.	9.4	128
30	A Community Challenge for Inferring Genetic Predictors of Gene Essentialities through Analysis of a Functional Screen of Cancer Cell Lines. <i>Cell Systems</i> , 2017, 5, 485-497.e3.	6.2	19
31	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. <i>Lancet Oncology</i> , The, 2017, 18, 132-142.	10.7	124
32	A DREAM Challenge to Build Prediction Models for Short-Term Discontinuation of Docetaxel in Metastatic Castration-Resistant Prostate Cancer. <i>JCO Clinical Cancer Informatics</i> , 2017, 1, 1-15.	2.1	12
33	High-dimensional genomic data bias correction and data integration using MANCIE. <i>Nature Communications</i> , 2016, 7, 11305.	12.8	52
34	Crowdsourced assessment of common genetic contribution to predicting anti-TNF treatment response in rheumatoid arthritis. <i>Nature Communications</i> , 2016, 7, 12460.	12.8	73
35	Prediction of human population responses to toxic compounds by a collaborative competition. <i>Nature Biotechnology</i> , 2015, 33, 933-940.	17.5	88
36	Real-time resolution of point mutations that cause phenovariance in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E440-9.	7.1	75

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37	A community computational challenge to predict the activity of pairs of compounds. Nature Biotechnology, 2014, 32, 1213-1222.	17.5	264
38	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
39	Neoantigen Clonal Balance Predicts Immunotherapy Outcomes and Prognosis. SSRN Electronic Journal, 0, , .	0.4	0