

Zhan Zhou

List of Publications by Year in descending order

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58
papers

1,554
citations

394421
19
h-index

330143
37
g-index

64
all docs

64
docs citations

64
times ranked

2330
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor immunity: a novel dimension for PROTACs to conquer cancer?. Acta Pharmacologica Sinica, 2022, 43, 2171-2172.	6.1	1
2	Comprehensive analysis reveals distinct mutational signature and its mechanistic insights of alcohol consumption in human cancers. Briefings in Bioinformatics, 2021, 22, .	6.5	14
3	TSNAD v2.0: A one-stop software solution for tumor-specific neoantigen detection. Computational and Structural Biotechnology Journal, 2021, 19, 4510-4516.	4.1	13
4	CanDriS: posterior profiling of cancer-driving sites based on two-component evolutionary model. Briefings in Bioinformatics, 2021, 22, .	6.5	5
5	Editorial: Evolutionary Mechanisms of Infectious Diseases. Frontiers in Microbiology, 2021, 12, 667561.	3.5	4
6	A novel genomic classification system of gastric cancer via integrating multidimensional genomic characteristics. Gastric Cancer, 2021, 24, 1227-1241.	5.3	21
7	Whole-exome sequencing of alpha-fetoprotein producing gastric carcinoma reveals genomic profile and therapeutic targets. Nature Communications, 2021, 12, 3946.	12.8	21
8	Evolution and functional divergence of the ERBB receptor family. Pharmacogenomics, 2021, 22, 473-484.	1.3	0
9	Soluble Expression of Fc-Fused T Cell Receptors Allows Yielding Novel Bispecific T Cell Engagers. Biomedicines, 2021, 9, 790.	3.2	2
10	Facile Generation of Potent Bispecific Fab via Sortase A and Click Chemistry for Cancer Immunotherapy. Cancers, 2021, 13, 4540.	3.7	6
11	A multivalent biparatopic EGFR-targeting nanobody drug conjugate displays potent anticancer activity in solid tumor models. Signal Transduction and Targeted Therapy, 2021, 6, 320.	17.1	19
12	Development of a Recombinant RBD Subunit Vaccine for SARS-CoV-2. Viruses, 2021, 13, 1936.	3.3	9
13	Synthetic multiepitope neoantigen DNA vaccine for personalized cancer immunotherapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 37, 102443.	3.3	24
14	Specific Inhibition of Tumor Growth by T Cell Receptor-Drug Conjugates Targeting Intracellular Cancer-Testis Antigen NY-ESO-1/LAGE-1. Bioconjugate Chemistry, 2020, 31, 2767-2778.	3.6	2
15	COVIEdb: A Database for Potential Immune Epitopes of Coronaviruses. Frontiers in Pharmacology, 2020, 11, 572249.	3.5	8
16	Shared neoantigens: ideal targets for off-the-shelf cancer immunotherapy. Pharmacogenomics, 2020, 21, 637-645.	1.3	26
17	A Pan-cancer Clinical Study of Personalized Neoantigen Vaccine Monotherapy in Treating Patients with Various Types of Advanced Solid Tumors. Clinical Cancer Research, 2020, 26, 4511-4520.	7.0	56
18	TCR-mimic antibody-drug conjugates targeting intracellular tumor-specific mutant antigen KRAS G12V mutation. Asian Journal of Pharmaceutical Sciences, 2020, 15, 777-785.	9.1	8

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19	Anti-tumor immune response varies among individuals: A gene expression profiling of mouse melanoma. <i>International Immunopharmacology</i> , 2020, 80, 106211.	3.8	1
20	PCR & Go: A Pre-installed Expression Chassis for Facile Integration of Multi-Gene Biosynthetic Pathways. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 613771.	4.1	14
21	The Antitumor Activity of TCR-Mimic Antibody-Drug Conjugates (TCRm-ADCs) Targeting the Intracellular Wilms Tumor 1 (WT1) Oncoprotein. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3912.	4.1	9
22	Neoantigens Derived from Recurrently Mutated Genes as Potential Immunotherapy Targets for Gastric Cancer. <i>BioMed Research International</i> , 2019, 2019, 1-11.	1.9	24
23	DeepHLApan: A Deep Learning Approach for Neoantigen Prediction Considering Both HLA-Peptide Binding and Immunogenicity. <i>Frontiers in Immunology</i> , 2019, 10, 2559.	4.8	84
24	Integrative Analysis of Somatic Mutations in Non-coding Regions Altering RNA Secondary Structures in Cancer Genomes. <i>Scientific Reports</i> , 2019, 9, 8205.	3.3	14
25	High antitumor activity of Sortase A-generated anti-CD20 antibody fragment drug conjugates. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 134, 81-92.	4.0	17
26	Non-Genetic Intra-Tumor Heterogeneity Is a Major Predictor of Phenotypic Heterogeneity and Ongoing Evolutionary Dynamics in Lung Tumors. <i>Cell Reports</i> , 2019, 29, 2164-2174.e5.	6.4	89
27	<p>Identification of an Activating Mutation in the Extracellular Domain of HER2 Conferring Resistance to Pertuzumab</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 11597-11608.	2.0	12
28	Genetic Polymorphisms and In Silico Mutagenesis Analyses of CYP2C9, CYP2D6, and CYPOR Genes in the Pakistani Population. <i>Genes</i> , 2018, 9, 514.	2.4	4
29	TSNAdb: A Database for Tumor-specific Neoantigens from Immunogenomics Data Analysis. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 276-282.	6.9	97
30	In situ quantitative bioanalysis of monomethyl auristatin E-conjugated antibody-drug conjugates by flow cytometry. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 120, 89-95.	4.0	1
31	Elimination of melanoma by sortase A-generated TCR-like antibody-drug conjugates (TL-ADCs) targeting intracellular melanoma antigen MART-1. <i>Biomaterials</i> , 2018, 178, 158-169.	11.4	28
32	Investigation of diethylstilbestrol residue level in human urine samples by a specific monoclonal antibody. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7042-7050.	5.3	10
33	TSNAD: an integrated software for cancer somatic mutation and tumour-specific neoantigen detection. <i>Royal Society Open Science</i> , 2017, 4, 170050.	2.4	80
34	Identification of trunk mutations in gastric carcinoma: a case study. <i>BMC Medical Genomics</i> , 2017, 10, 49.	1.5	5
35	Mutation-profile-based methods for understanding selection forces in cancer somatic mutations: a comparative analysis. <i>Oncotarget</i> , 2017, 8, 58835-58846.	1.8	11
36	Hispidin induces autophagic and necrotic death in SGC-7901 gastric cancer cells through lysosomal membrane permeabilization by inhibiting tubulin polymerization. <i>Oncotarget</i> , 2017, 8, 26992-27006.	1.8	21

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37	A Tumor-Specific Neo-Antigen Caused by a Frameshift Mutation in BAP1 Is a Potential Personalized Biomarker in Malignant Peritoneal Mesothelioma. International Journal of Molecular Sciences, 2016, 17, 739.	4.1	20
38	Genomic data mining reveals a rich repertoire of transport proteins in Streptomyces. BMC Genomics, 2016, 17, 510.	2.8	18
39	Pharmacogenomics of Drug Metabolizing Enzymes and Transporters: Relevance to Precision Medicine. Genomics, Proteomics and Bioinformatics, 2016, 14, 298-313.	6.9	227
40	The Evolutionary Panorama of Organ-Specifically Expressed or Repressed Orthologous Genes in Nine Vertebrate Species. PLoS ONE, 2015, 10, e0116872.	2.5	5
41	Function and Evolution of Two Forms of SecDF Homologs in Streptomyces coelicolor. PLoS ONE, 2014, 9, e105237.	2.5	17
42	Exploring systems affected by the heat shock response in Plasmodium falciparum via protein association networks. International Journal of Computational Biology and Drug Design, 2014, 7, 369.	0.3	5
43	Genomic Evolution of Saccharomyces cerevisiae under Chinese Rice Wine Fermentation. Genome Biology and Evolution, 2014, 6, 2516-2526.	2.5	28
44	Asymmetric Evolution of Human Transcription Factor Regulatory Networks. Molecular Biology and Evolution, 2014, 31, 2149-2155.	8.9	8
45	Dual Positive Feedback Regulation of Protein Degradation of an Extra-cytoplasmic Function If Factor for Cell Differentiation in Streptomyces coelicolor. Journal of Biological Chemistry, 2013, 288, 31217-31228.	3.4	19
46	An Update of DIVERGE Software for Functional Divergence Analysis of Protein Family. Molecular Biology and Evolution, 2013, 30, 1713-1719.	8.9	171
47	Network analysis reveals complex interactions in heat shock response in the malaria parasite. , 2013, , .		0
48	Comparative Genomics and Systems Biology of Malaria Parasites Plasmodium. Current Bioinformatics, 2012, 7, 478-489.	1.5	8
49	Genome plasticity and systems evolution in Streptomyces. BMC Bioinformatics, 2012, 13, S8.	2.6	61
50	ECF sigma factor-associated regulatory networks in Streptomyces colicolor A3(2). , 2011, , .		0
51	The -omics Era- Toward a Systems-Level Understanding of Streptomyces. Current Genomics, 2011, 12, 404-416.	1.6	24
52	Protease-associated cellular networks in malaria parasite Plasmodium falciparum. BMC Genomics, 2011, 12, S9.	2.8	22
53	The pleiotropic regulator AdpAch is required for natamycin biosynthesis and morphological differentiation in Streptomyces chattanoogensis. Microbiology (United Kingdom), 2011, 157, 1300-1311.	1.8	48
54	Reciprocal Regulation between SigK and Differentiation Programs in Streptomyces coelicolor. Journal of Bacteriology, 2009, 191, 6473-6481.	2.2	30

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55	Involvement of SigT and RstA in the differentiation of <i>Streptomyces coelicolor</i> . FEBS Letters, 2009, 583, 3145-3150.	2.8	28
56	The rapid evolution of signal peptides is mainly caused by relaxed selection on non-synonymous and synonymous sites. Gene, 2009, 436, 8-11.	2.2	37
57	New Approach to Achieve High-Level Secretory Expression of Heterologous Proteins by Using Tat Signal Peptide. Protein and Peptide Letters, 2009, 16, 706-710.	0.9	11
58	DeepHLApan: A Deep Learning Approach for High-Confidence Neoantigen Prediction. SSRN Electronic Journal, 0, , .	0.4	1