

Zhan Zhou

List of Publications by Year in descending order

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58
papers

1,554
citations

393982

19
h-index

344852

36
g-index

64
all docs

64
docs citations

64
times ranked

2330
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacogenomics of Drug Metabolizing Enzymes and Transporters: Relevance to Precision Medicine. <i>Genomics, Proteomics and Bioinformatics</i> , 2016, 14, 298-313.	3.0	227
2	An Update of DIVERGE Software for Functional Divergence Analysis of Protein Family. <i>Molecular Biology and Evolution</i> , 2013, 30, 1713-1719.	3.5	171
3	TSNAdb: A Database for Tumor-specific Neoantigens from Immunogenomics Data Analysis. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 276-282.	3.0	97
4	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.	2.9	89
5	DeepHLApan: A Deep Learning Approach for Neoantigen Prediction Considering Both HLA-Peptide Binding and Immunogenicity. <i>Frontiers in Immunology</i> , 2019, 10, 2559.	2.2	84
6	TSNAD: an integrated software for cancer somatic mutation and tumour-specific neoantigen detection. <i>Royal Society Open Science</i> , 2017, 4, 170050.	1.1	80
7	Genome plasticity and systems evolution in <i>Streptomyces</i> . <i>BMC Bioinformatics</i> , 2012, 13, S8.	1.2	61
8	A Pan-cancer Clinical Study of Personalized Neoantigen Vaccine Monotherapy in Treating Patients with Various Types of Advanced Solid Tumors. <i>Clinical Cancer Research</i> , 2020, 26, 4511-4520.	3.2	56
9	The pleiotropic regulator AdpAch is required for natamycin biosynthesis and morphological differentiation in <i>Streptomyces chattanoogensis</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 1300-1311.	0.7	48
10	The rapid evolution of signal peptides is mainly caused by relaxed selection on non-synonymous and synonymous sites. <i>Gene</i> , 2009, 436, 8-11.	1.0	37
11	Reciprocal Regulation between SigK and Differentiation Programs in <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , 2009, 191, 6473-6481.	1.0	30
12	Involvement of SigT and RstA in the differentiation of <i>Streptomyces coelicolor</i> . <i>FEBS Letters</i> , 2009, 583, 3145-3150.	1.3	28
13	Genomic Evolution of <i>Saccharomyces cerevisiae</i> under Chinese Rice Wine Fermentation. <i>Genome Biology and Evolution</i> , 2014, 6, 2516-2526.	1.1	28
14	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.	5.7	28
15	Shared neoantigens: ideal targets for off-the-shelf cancer immunotherapy. <i>Pharmacogenomics</i> , 2020, 21, 637-645.	0.6	26
16	The -omics Era- Toward a Systems-Level Understanding of <i>Streptomyces</i> . <i>Current Genomics</i> , 2011, 12, 404-416.	0.7	24
17	Neoantigens Derived from Recurrently Mutated Genes as Potential Immunotherapy Targets for Gastric Cancer. <i>BioMed Research International</i> , 2019, 2019, 1-11.	0.9	24
18	Synthetic multiepitope neoantigen DNA vaccine for personalized cancer immunotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 37, 102443.	1.7	24

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19	Protease-associated cellular networks in malaria parasite <i>Plasmodium falciparum</i> . <i>BMC Genomics</i> , 2011, 12, S9.	1.2	22
20	A novel genomic classification system of gastric cancer via integrating multidimensional genomic characteristics. <i>Gastric Cancer</i> , 2021, 24, 1227-1241.	2.7	21
21	Whole-exome sequencing of alpha-fetoprotein producing gastric carcinoma reveals genomic profile and therapeutic targets. <i>Nature Communications</i> , 2021, 12, 3946.	5.8	21
22	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.	0.8	21
23	A Tumor-Specific Neo-Antigen Caused by a Frameshift Mutation in BAP1 Is a Potential Personalized Biomarker in Malignant Peritoneal Mesothelioma. <i>International Journal of Molecular Sciences</i> , 2016, 17, 739.	1.8	20
24	Dual Positive Feedback Regulation of Protein Degradation of an Extra-cytoplasmic Function Υ Factor for Cell Differentiation in <i>Streptomyces coelicolor</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 31217-31228.	1.6	19
25	A multivalent biparatopic EGFR-targeting nanobody drug conjugate displays potent anticancer activity in solid tumor models. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 320.	7.1	19
26	Genomic data mining reveals a rich repertoire of transport proteins in <i>Streptomyces</i> . <i>BMC Genomics</i> , 2016, 17, 510.	1.2	18
27	Function and Evolution of Two Forms of SecDF Homologs in <i>Streptomyces coelicolor</i> . <i>PLoS ONE</i> , 2014, 9, e105237.	1.1	17
28	High antitumor activity of Sortase A-generated anti-CD20 antibody fragment drug conjugates. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 134, 81-92.	1.9	17
29	Integrative Analysis of Somatic Mutations in Non-coding Regions Altering RNA Secondary Structures in Cancer Genomes. <i>Scientific Reports</i> , 2019, 9, 8205.	1.6	14
30	Comprehensive analysis reveals distinct mutational signature and its mechanistic insights of alcohol consumption in human cancers. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	14
31	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.	2.0	14
32	TSNAD v2.0: A one-stop software solution for tumor-specific neoantigen detection. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4510-4516.	1.9	13
33	<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.	1.0	12
34	New Approach to Achieve High-Level Secretary Expression of Heterologous Proteins by Using Tat Signal Peptide. <i>Protein and Peptide Letters</i> , 2009, 16, 706-710.	0.4	11
35	Mutation-profile-based methods for understanding selection forces in cancer somatic mutations: a comparative analysis. <i>Oncotarget</i> , 2017, 8, 58835-58846.	0.8	11
36	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.	2.7	10

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37	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.	1.8	9
38	Development of a Recombinant RBD Subunit Vaccine for SARS-CoV-2. <i>Viruses</i> , 2021, 13, 1936.	1.5	9
39	Comparative Genomics and Systems Biology of Malaria Parasites <i>Plasmodium</i> . <i>Current Bioinformatics</i> , 2012, 7, 478-489.	0.7	8
40	Asymmetric Evolution of Human Transcription Factor Regulatory Networks. <i>Molecular Biology and Evolution</i> , 2014, 31, 2149-2155.	3.5	8
41	COVIEdb: A Database for Potential Immune Epitopes of Coronaviruses. <i>Frontiers in Pharmacology</i> , 2020, 11, 572249.	1.6	8
42	TCR-mimic antibody-drug conjugates targeting intracellular tumor-specific mutant antigen KRAS G12V mutation. <i>Asian Journal of Pharmaceutical Sciences</i> , 2020, 15, 777-785.	4.3	8
43	Facile Generation of Potent Bispecific Fab via Sortase A and Click Chemistry for Cancer Immunotherapy. <i>Cancers</i> , 2021, 13, 4540.	1.7	6
44	Exploring systems affected by the heat shock response in <i>Plasmodium falciparum</i> via protein association networks. <i>International Journal of Computational Biology and Drug Design</i> , 2014, 7, 369.	0.3	5
45	Identification of trunk mutations in gastric carcinoma: a case study. <i>BMC Medical Genomics</i> , 2017, 10, 49.	0.7	5
46	CanDriS: posterior profiling of cancer-driving sites based on two-component evolutionary model. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	5
47	The Evolutionary Panorama of Organ-Specifically Expressed or Repressed Orthologous Genes in Nine Vertebrate Species. <i>PLoS ONE</i> , 2015, 10, e0116872.	1.1	5
48	Genetic Polymorphisms and In Silico Mutagenesis Analyses of CYP2C9, CYP2D6, and CYPOR Genes in the Pakistani Population. <i>Genes</i> , 2018, 9, 514.	1.0	4
49	Editorial: Evolutionary Mechanisms of Infectious Diseases. <i>Frontiers in Microbiology</i> , 2021, 12, 667561.	1.5	4
50	Specific Inhibition of Tumor Growth by T Cell Receptor-Drug Conjugates Targeting Intracellular Cancer-Testis Antigen NY-ESO-1/LAGE-1. <i>Bioconjugate Chemistry</i> , 2020, 31, 2767-2778.	1.8	2
51	Soluble Expression of Fc-Fused T Cell Receptors Allows Yielding Novel Bispecific T Cell Engagers. <i>Biomedicines</i> , 2021, 9, 790.	1.4	2
52	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.	1.9	1
53	Anti-tumor immune response varies among individuals: A gene expression profiling of mouse melanoma. <i>International Immunopharmacology</i> , 2020, 80, 106211.	1.7	1
54	DeepHLApan: A Deep Learning Approach for High-Confidence Neoantigen Prediction. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

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55	Tumor immunity: a novel dimension for PROTACs to conquer cancer?. Acta Pharmacologica Sinica, 2022, 43, 2171-2172.	2.8	1
56	ECF sigma factor-associated regulatory networks in Streptomyces colicolor A3(2). , 2011, , .		0
57	Network analysis reveals complex interactions in heat shock response in the malaria parasite. , 2013, , .		0
58	Evolution and functional divergence of the ERBB receptor family. Pharmacogenomics, 2021, 22, 473-484.	0.6	0