## Pingzhao Hu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6963063/publications.pdf

Version: 2024-02-01

101384 85405 5,773 140 36 71 citations g-index h-index papers 142 142 142 12294 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Mesenchymal stromal (stem) cell therapy modulates miR-193b-5p expression to attenuate sepsis-induced acute lung injury. European Respiratory Journal, 2022, 59, 2004216.	3.1	36
2	A pathogenic deletion in Forkhead Box L1 (FOXL1) identifies the first otosclerosis (OTSC) gene. Human Genetics, 2022, 141, 965-979.	1.8	7
3	Bayesian tensor factorization-drive breast cancer subtyping by integrating multi-omics data. Journal of Biomedical Informatics, 2022, 125, 103958.	2.5	10
4	Extendable and explainable deep learning for pan-cancer radiogenomics research. Current Opinion in Chemical Biology, 2022, 66, 102111.	2.8	11
5	MicroRNA regulatory networks associated with abnormal muscle repair in survivors of critical illness. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 1262-1276.	2.9	6
6	Multiomic Metabolic Enrichment Network Analysis Reveals Metabolite–Protein Physical Interaction Subnetworks Altered in Cancer. Molecular and Cellular Proteomics, 2022, 21, 100189.	2.5	4
7	Polygenic risk and causal inference of psychiatric comorbidity in inflammatory bowel disease among patients with European ancestry. Journal of Translational Medicine, 2022, 20, 43.	1.8	1
8	Deep learning-driven prediction of drug mechanism of action from large-scale chemical-genetic interaction profiles. Journal of Cheminformatics, 2022, 14, 12.	2.8	9
9	Transitions between versions of the International Classification of Diseases and chronic disease prevalence estimates from administrative health data: a population-based study. BMC Public Health, 2022, 22, 701.	1.2	2
10	Deep clustering of small molecules at large-scale via variational autoencoder embedding and K-means. BMC Bioinformatics, 2022, 23, 132.	1.2	5
11	Tightly integrated multiomics-based deep tensor survival model for time-to-event prediction. Bioinformatics, 2022, 38, 3259-3266.	1.8	3
12	YOLO-LOGO: A transformer-based YOLO segmentation model for breast mass detection and segmentation in digital mammograms. Computer Methods and Programs in Biomedicine, 2022, 221, 106903.	2.6	36
13	Comprehensive multi-cohort transcriptional meta-analysis of muscle diseases identifies a signature of disease severity. Scientific Reports, 2022, 12, .	1.6	2
14	Mapping Three Versions of the International Classification of Diseases to Categories of Chronic Conditions. International Journal of Population Data Science, 2021, 6, 1406.	0.1	2
15	Predicting breast cancer drug response using a multiple-layer cell line drug response network model. BMC Cancer, 2021, 21, 648.	1.1	8
16	Genetic predictors of gene expression associated with psychiatric comorbidity in patients with inflammatory bowel disease $\hat{a} \in A$ pilot study. Genomics, 2021, 113, 919-932.	1.3	4
17	Computational Drug Repurposing for Alzheimer's Disease Using Risk Genes From GWAS and Single-Cell RNA Sequencing Studies. Frontiers in Pharmacology, 2021, 12, 617537.	1.6	16
18	Characterization of Supragingival Plaque and Oral Swab Microbiomes in Children With Severe Early Childhood Caries. Frontiers in Microbiology, 2021, 12, 683685.	1.5	19

#	Article	IF	CITATIONS
19	ChrNet: A re-trainable chromosome-based 1D convolutional neural network for predicting immune cell types. Genomics, 2021, 113, 2023-2031.	1.3	5
20	Self-supervised deep learning model for COVID-19 lung CT image segmentation highlighting putative causal relationship among age, underlying disease and COVID-19. Journal of Translational Medicine, 2021, 19, 318.	1.8	70
21	Mitogen-induced transcriptional programming in human fibroblasts. Gene, 2021, 800, 145842.	1.0	4
22	Identification of significantly mutated subnetworks in the breast cancer genome. Scientific Reports, 2021, 11, 642.	1.6	0
23	A Novel Matrix Profile-Guided Attention LSTM Model for Forecasting COVID-19 Cases in USA. Frontiers in Public Health, 2021, 9, 741030.	1.3	7
24	A Maximum Flow-Based Approach to Prioritize Drugs for Drug Repurposing of Chronic Diseases. Life, 2021, 11, 1115.	1.1	3
25	Computational Prediction of the Pathogenic Status of Cancer-Specific Somatic Variants. Frontiers in Genetics, 2021, 12, 805656.	1.1	1
26	Proteomic Approaches to Defining Remission and the Risk of Relapse in Rheumatoid Arthritis. Frontiers in Immunology, 2021, 12, 729681.	2.2	4
27	Copy number variation-based gene set analysis reveals cytokine signalling pathways associated with psychiatric comorbidity in patients with inflammatory bowel disease. Genomics, 2020, 112, 683-693.	1.3	8
28	Epigenetic Profiling in Severe Sepsis: A Pilot Study of DNA Methylation Profiles in Critical Illness*. Critical Care Medicine, 2020, 48, 142-150.	0.4	42
29	Integrative Data Augmentation with U-Net Segmentation Masks Improves Detection of Lymph Node Metastases in Breast Cancer Patients. Cancers, 2020, 12, 2934.	1.7	28
30	A machine learning-based clinical tool for diagnosing myopathy using multi-cohort microarray expression profiles. Journal of Translational Medicine, 2020, 18, 454.	1.8	7
31	An integrative deep learning framework for classifying molecular subtypes of breast cancer. Computational and Structural Biotechnology Journal, 2020, 18, 2185-2199.	1.9	40
32	Dynamics of the cell-free DNA methylome of metastatic prostate cancer during androgen-targeting treatment. Epigenomics, 2020, 12, 1317-1332.	1.0	15
33	A Two-Dimensional Sparse Matrix Profile DenseNet for COVID-19 Diagnosis Using Chest CT Images. IEEE Access, 2020, 8, 213718-213728.	2.6	60
34	Incidence, Characteristics, and Outcomes of Interval Breast Cancers Compared With Screening-Detected Breast Cancers. JAMA Network Open, 2020, 3, e2018179.	2.8	48
35	Tumor-Infiltrating CD8 T Cells Predict Clinical Breast Cancer Outcomes in Young Women. Cancers, 2020, 12, 1076.	1.7	31
36	DTF: Deep Tensor Factorization for predicting anticancer drug synergy. Bioinformatics, 2020, 36, 4483-4489.	1.8	34

#	Article	IF	CITATIONS
37	Mesenchymal stromal/stem cells modulate response to experimental sepsis-induced lung injury via regulation of miR-27a-5p in recipient mice. Thorax, 2020, 75, 556-567.	2.7	17
38	Sex-Based Diverse Plaque Microbiota in Children with Severe Caries. Journal of Dental Research, 2020, 99, 703-712.	2.5	37
39	Deep graph embedding for prioritizing synergistic anticancer drug combinations. Computational and Structural Biotechnology Journal, 2020, 18, 427-438.	1.9	64
40	Discovery of inflammatory bowel disease-associated miRNAs using a novel bipartite clustering approach. BMC Medical Genomics, 2020, 13, 10.	0.7	11
41	Epigenetics of Sepsis. Critical Care Medicine, 2020, 48, 745-756.	0.4	41
42	Mesenchymal Stem/Stromal Cells Increase Cardiac MIR-187-3P Expression in Polymicrobial Animal Model of Sepsis. Shock, 2020, Publish Ahead of Print, 133-141.	1.0	12
43	Development of a machine learning-based multimode diagnosis system for lung cancer. Aging, 2020, 12, 9840-9854.	1.4	8
44	Genome-wide copy number variant data for inflammatory bowel disease in a caucasian population. Data in Brief, 2019, 25, 104203.	0.5	0
45	Predicting Drug-Drug Interactions Using Deep Neural Network., 2019,,.		11
46	A Novel Convolutional Regression Network for Cell Counting. , 2019, , .		5
47	Isolation and characterization of a new basal-like luminal progenitor in human breast tissue. Stem Cell Research and Therapy, 2019, 10, 269.	2.4	4
48	MiR-490-3p and MiR-744-5p Are Increased in ICU Acquired Weakness (ICUAW) and Regulate Myoblast Differentiation and Proliferation. , 2019, , .		0
49	Automated Counting of Cancer Cells by Ensembling Deep Features. Cells, 2019, 8, 1019.	1.8	12
50	Modeling Gene-Environment Interaction for the Risk of Non-hodgkin Lymphoma. Frontiers in Oncology, 2019, 8, 657.	1.3	3
51	Genome-Wide Canonical Correlation Analysis-Based Computational Methods for Mining Information from Microbiome and Gene Expression Data. Lecture Notes in Computer Science, 2019, , 511-517.	1.0	1
52	Genome-wide analysis identifies rare copy number variations associated with inflammatory bowel disease. PLoS ONE, 2019, 14, e0217846.	1.1	16
53	Association Analysis of Deep Genomic Features Extracted by Denoising Autoencoders in Breast Cancer. Cancers, 2019, 11, 494.	1.7	15
54	An OpenMP-based tool for finding longest common subsequence in bioinformatics. BMC Research Notes, 2019, 12, 220.	0.6	11

#	Article	IF	CITATIONS
55	Predicting drug-target interaction network using deep learning model. Computational Biology and Chemistry, 2019, 80, 90-101.	1.1	89
56	Chromatin organization of transcribed genes in chicken polychromatic erythrocytes. Gene, 2019, 699, 80-87.	1.0	8
57	Integrative Analysis Reveals Subtype-Specific Regulatory Determinants in Triple Negative Breast Cancer. Cancers, 2019, 11, 507.	1.7	10
58	Computational drug repurposing for inflammatory bowel disease using genetic information. Computational and Structural Biotechnology Journal, 2019, 17, 127-135.	1.9	19
59	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	15
60	Epigenome-wide DNA methylation profiling of periprostatic adipose tissue in prostate cancer patients with excess adiposity—a pilot study. Clinical Epigenetics, 2018, 10, 54.	1.8	22
61	Long Non-Coding RNA H19 Acts as an Estrogen Receptor Modulator that is Required for Endocrine Therapy Resistance in ER+ Breast Cancer Cells. Cellular Physiology and Biochemistry, 2018, 51, 1518-1532.	1.1	57
62	Recurrent copy number alterations in young women with breast cancer. Oncotarget, 2018, 9, 11541-11558.	0.8	12
63	A deep neural network based regression model for triglyceride concentrations prediction using epigenome-wide DNA methylation profiles. BMC Proceedings, 2018, 12, 21.	1.8	7
64	Association Analysis of Somatic Copy Number Alteration Burden With Breast Cancer Survival. Frontiers in Genetics, 2018, 9, 421.	1.1	38
65	An integrative network-based approach to identify novel disease genes and pathways: a case study in the context of inflammatory bowel disease. BMC Bioinformatics, 2018, 19, 264.	1.2	22
66	Drug-Target Interaction Network Predictions for Drug Repurposing Using LASSO-Based Regularized Linear Classification Model. Lecture Notes in Computer Science, 2018, , 272-278.	1.0	1
67	Somatic Copy Number Alteration-Based Prediction of Molecular Subtypes of Breast Cancer Using Deep Learning Model. Lecture Notes in Computer Science, 2017, , 57-63.	1.0	4
68	Protein complexes, big data, machine learning and integrative proteomics: lessons learned over a decade of systematic analysis of protein interaction networks. Expert Review of Proteomics, 2017, 14, 845-855.	1.3	19
69	DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 889-905.	2.5	55
70	Associations between genetic variants in immunoregulatory genes and risk of non-Hodgkin lymphoma in a Chinese population. Oncotarget, 2017, 8, 10450-10457.	0.8	10
71	Discovering MicroRNA-Regulatory Modules in Multi-Dimensional Cancer Genomic Data: A Survey of Computational Methods. Cancer Informatics, 2016, 15s2, CIN.S39369.	0.9	8
72	A Novel Graph-based Algorithm to Infer Recurrent Copy Number Variations in Cancer. Cancer Informatics, 2016, 15s2, CIN.S39368.	0.9	1

#	Article	lF	CITATIONS
73	Transcriptomic analysis reveals abnormal muscle repair and remodeling in survivors of critical illness with sustained weakness. Scientific Reports, 2016, 6, 29334.	1.6	32
74	The genetic diversity of Epstein–Barr virus in the setting of transplantation relative to nonâ€transplant settings: A feasibility study. Pediatric Transplantation, 2016, 20, 124-129.	0.5	5
75	Chlamydial Protease-Like Activity Factor and Type III Secreted Effectors Cooperate in Inhibition of p65 Nuclear Translocation. MBio, 2016, 7, .	1.8	26
76	Identity-by-descent mapping for diastolic blood pressure in unrelated Mexican Americans. BMC Proceedings, 2016, 10, 263-267.	1.8	4
77	The Histone Methyltransferase Enzyme Enhancer of Zeste Homolog 2 Protects against Podocyte Oxidative Stress and Renal Injury in Diabetes. Journal of the American Society of Nephrology: JASN, 2016, 27, 2021-2034.	3.0	72
78	Microarray Meta-Analysis and Cross-Platform Normalization: Integrative Genomics for Robust Biomarker Discovery. Microarrays (Basel, Switzerland), 2015, 4, 389-406.	1.4	93
79	Identification of genomic signatures in circulating tumor cells from breast cancer. International Journal of Cancer, 2015, 137, 332-344.	2.3	54
80	A high-resolution copy-number variation resource for clinical and population genetics. Genetics in Medicine, 2015, 17, 747-752.	1.1	73
81	Prenatal Exposure to Maternal Cigarette Smoking and DNA Methylation: Epigenome-Wide Association in a Discovery Sample of Adolescents and Replication in an Independent Cohort at Birth through 17 Years of Age. Environmental Health Perspectives, 2015, 123, 193-199.	2.8	178
82	Ras Signaling Is a Key Determinant for Metastatic Dissemination and Poor Survival of Luminal Breast Cancer Patients. Cancer Research, 2015, 75, 4960-4972.	0.4	48
83	Highly Pathogenic H5N1 and Novel H7N9 Influenza A Viruses Induce More Profound Proteomic Host Responses than Seasonal and Pandemic H1N1 Strains. Journal of Proteome Research, 2015, 14, 4511-4523.	1.8	55
84	Discriminative learning of generative models: large margin multinomial mixture models for document classification. Pattern Analysis and Applications, 2015, 18, 535-551.	3.1	2
85	RelB deficiency causes combined immunodeficiency. LymphoSign Journal, 2015, 2, 147-155.	0.1	21
86	Gene expression in "young adult type―breast cancer: a retrospective analysis. Oncotarget, 2015, 6, 13688-13702.	0.8	39
87	Genome-wide association study of bipolar disorder in Canadian and UK populations corroborates disease loci including SYNE1 and CSMD1. BMC Medical Genetics, 2014, 15, 2.	2.1	106
88	Brain-expressed exons under purifying selection are enriched for de novo mutations in autism spectrum disorder. Nature Genetics, 2014, 46, 742-747.	9.4	149
89	Dynamic pathway analysis of genes associated with blood pressure using whole genome sequence data. BMC Proceedings, 2014, 8, S106.	1.8	3
90	MicroRNA-144 is a circulating effector of remote ischemic preconditioning. Basic Research in Cardiology, 2014, 109, 423.	2.5	201

#	Article	IF	Citations
91	Neuregulin 1-alpha regulates phosphorylation, acetylation, and alternative splicing in lymphoblastoid cells. Genome, 2013, 56, 619-625.	0.9	5
92	RNA-Seq analysis of the parietal cortex in Alzheimer's disease reveals alternatively spliced isoforms related to lipid metabolism. Neuroscience Letters, 2013, 536, 90-95.	1.0	77
93	Metaphyseal Dysplasia with Maxillary Hypoplasia and Brachydactyly Is Caused by a Duplication in RUNX2. American Journal of Human Genetics, 2013, 92, 252-258.	2.6	29
94	Association between a Multi-Locus Genetic Risk Score and Inflammatory Bowel Disease. Bioinformatics and Biology Insights, 2013, 7, BBI.S11601.	1.0	9
95	NADPH oxidase complex and IBD candidate gene studies: identification of a rare variant in <i>NCF2</i> that results in reduced binding to RAC2. Gut, 2012, 61, 1028-1035.	6.1	158
96	Salutary effect of resveratrol on sepsis-induced myocardial depression*. Critical Care Medicine, 2012, 40, 1896-1907.	0.4	42
97	A Census of Human Soluble Protein Complexes. Cell, 2012, 150, 1068-1081.	13.5	781
98	SNVerGUI: a desktop tool for variant analysis of next-generation sequencing data. Journal of Medical Genetics, 2012, 49, 753-755.	1.5	15
99	Markers of survival and metastatic potential in childhood CNS primitive neuro-ectodermal brain tumours: an integrative genomic analysis. Lancet Oncology, The, 2012, 13, 838-848.	5.1	148
100	Obesity and prostate cancer: gene expression signature of human periprostatic adipose tissue. BMC Medicine, 2012, 10, 108.	2.3	74
101	Network Analysis of Transcriptional Responses Induced by Mesenchymal Stem Cell Treatment of Experimental Sepsis. American Journal of Pathology, 2012, 181, 1681-1692.	1.9	76
102	Microarray Meta-Analysis Identifies Acute Lung Injury Biomarkers in Donor Lungs That Predict Development of Primary Graft Failure in Recipients. PLoS ONE, 2012, 7, e45506.	1.1	17
103	Gene network modular-based classification of microarray samples. BMC Bioinformatics, 2012, 13, S17.	1.2	6
104	Gene and miRNA expression profiles in autism spectrum disorders. Brain Research, 2011, 1380, 85-97.	1.1	165
105	A genotype resource for postmortem brain samples from the Autism Tissue Program. Autism Research, 2011, 4, 89-97.	2.1	23
106	Genome-wide association study of type 2 diabetes in a sample from Mexico City and a meta-analysis of a Mexican-American sample from Starr County, Texas. Diabetologia, 2011, 54, 2038-2046.	2.9	114
107	Pathway-based joint effects analysis of rare genetic variants using Genetic Analysis Workshop 17 exon sequence data. BMC Proceedings, 2011, 5, S45.	1.8	7
108	A pathway-based association analysis model using common and rare variants. BMC Proceedings, 2011, 5, S85.	1.8	1

#	Article	IF	CITATIONS
109	SNVer: a statistical tool for variant calling in analysis of pooled or individual next-generation sequencing data. Nucleic Acids Research, 2011, 39, e132-e132.	6.5	225
110	Gene Network Modules-Based Liner Discriminant Analysis of Microarray Gene Expression Data. Lecture Notes in Computer Science, 2011, , 286-296.	1.0	2
111	Incorporating Correlations among Gene Ontology Terms into Predicting Protein Functions. , 2011, , 154-173.		0
112	Predicting protein functions by relaxation labelling protein interaction network. BMC Bioinformatics, 2010, 11, S64.	1.2	16
113	Transcriptomic analysis of dystrophin RNAi knockdown reveals a central role for dystrophin in muscle differentiation and contractile apparatus organization. BMC Genomics, 2010, 11, 345.	1.2	26
114	Gene Expression Changes Associated with Resistance to Intravenous Corticosteroid Therapy in Children with Severe Ulcerative Colitis. PLoS ONE, 2010, 5, e13085.	1.1	37
115	Prkar1a is an osteosarcoma tumor suppressor that defines a molecular subclass in mice. Journal of Clinical Investigation, 2010, 120, 3310-3325.	3.9	89
116	A topology-sharing based method for protein function prediction via analysis of protein functional association networks., 2009,,.		2
117	Data Integration in Genetics and Genomics: Methods and Challenges. Human Genomics and Proteomics, 2009, $1$ , .	1.5	105
118	Pathway-based analysis of a genome-wide case-control association study of rheumatoid arthritis. BMC Proceedings, 2009, 3, S128.	1.8	13
119	Global Functional Atlas of Escherichia coli Encompassing Previously Uncharacterized Proteins. PLoS Biology, 2009, 7, e1000096.	2.6	331
120	IL-23R Polymorphisms in Patients with Ankylosing Spondylitis in Korea: Table 1 Journal of Rheumatology, 2009, 36, 1003-1005.	1.0	42
121	Using the ratio of means as the effect size measure in combining results of microarray experiments. BMC Systems Biology, 2009, 3, 106.	3.0	10
122	Gene expression using microarrays in transplant recipients at risk of EBV lymphoproliferation after organ transplantation: Preliminary proofâ€ofâ€oncept. Pediatric Transplantation, 2009, 13, 990-998.	0.5	12
123	A flexible approximate likelihood ratio test for detecting differential expression in microarray data. Computational Statistics and Data Analysis, 2009, 53, 3685-3695.	0.7	3
124	Bioinformatics Application: Predicting Protein Subcellular Localization by Applying Machine Learning. , 2009, , 163-174.		0
125	Differential gene profiling in acute lung injury identifies injury-specific gene expression*. Critical Care Medicine, 2008, 36, 855-865.	0.4	56
126	Interleukin $1$ polymorphisms in patients with ankylosing spondylitis in Korea. Journal of Rheumatology, 2008, 35, 1603-8.	1.0	19

#	Article	IF	CITATIONS
127	Identifying cis- and trans-acting single-nucleotide polymorphisms controlling lymphocyte gene expression in humans. BMC Proceedings, 2007, $1$ , S7.	1.8	7
128	Computational prediction of cancer-gene function. Nature Reviews Cancer, 2007, 7, 23-34.	12.8	81
129	Impact of normalization and filtering on linkage analysis of gene expression data. BMC Proceedings, 2007, 1, S150.	1.8	2
130	Chromosomal Clustering of Periodically Expressed Genes in Plasmodium falciparum., 2007, , 103-119.		0
131	Integrative analysis of gene expression data including an assessment of pathway enrichment for predicting prostate cancer. Cancer Informatics, 2007, 2, 289-300.	0.9	3
132	Integrating Affymetrix microarray data sets using probe-level test statistic for predicting prostate cancer., 2006,,.		3
133	Global Survey of Organ and Organelle Protein Expression in Mouse: Combined Proteomic and Transcriptomic Profiling. Cell, 2006, 125, 173-186.	13.5	429
134	Integrative Analysis of Gene Expression Data Including an Assessment of Pathway Enrichment for Predicting Prostate Cancer. Cancer Informatics, 2006, 2, 117693510600200.	0.9	1
135	Statistical Methods for Meta-Analysis of Microarray Data: A Comparative Study. Information Systems Frontiers, 2006, 8, 9-20.	4.1	19
136	Tests for differential gene expression using weights in oligonucleotide microarray experiments. BMC Genomics, 2006, 7, 33.	1.2	9
137	Integrative analysis of multiple gene expression profiles with quality-adjusted effect size models. BMC Bioinformatics, 2005, 6, 128.	1.2	45
138	An empirical test of the competing destinations model. Journal of Geographical Systems, 2002, 4, 301-323.	1.9	21
139	Deep Learning Models for Predicting Phenotypic Traits and Diseases from Omics Data., 0,,.		3
140	Incorporating Correlations among Gene Ontology Terms into Predicting Protein Functions. , 0, , 831-850.		0