Chao Xu

List of Publications by Year
in descending order

99 papers	1,384 citations	471371 17 h-index	434063 31 g-index
108 all docs	108 docs citations	108 times ranked	2158 citing authors

#	Article	IF	Citations
1	Cerebral microbleeds and stroke risk after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies. Lancet Neurology, The, 2019, 18, 653-665.	4.9	143
2	Effectiveness of telemedicine systems for adults with heart failure: a meta-analysis of randomized controlled trials. Heart Failure Reviews, 2020, 25, 231-243.	1.7	102
3	Zinc-Dependent Regulation of ZEB1 and YAP1 Coactivation Promotes Epithelial-Mesenchymal Transition Plasticity and Metastasis in Pancreatic Cancer. Gastroenterology, 2021, 160, 1771-1783.e1.	0.6	91
4	Accurate diagnosis of colorectal cancer based on histopathology images using artificial intelligence. BMC Medicine, 2021, 19, 76.	2.3	63
5	Comprehensive Characterization of Human Genome Variation by High Coverage Whole-Genome Sequencing of Forty Four Caucasians. PLoS ONE, 2013, 8, e59494.	1.1	62
6	Accurate recognition of colorectal cancer with semi-supervised deep learning on pathological images. Nature Communications, 2021, 12, 6311.	5.8	51
7	Multi-omics Data Integration for Identifying Osteoporosis Biomarkers and Their Biological Interaction and Causal Mechanisms. IScience, 2020, 23, 100847.	1.9	48
8	Circular RNA ANAPC7 Inhibits Tumor Growth and Muscle Wasting via PHLPP2–AKT–TGF-β Signaling Axis in Pancreatic Cancer. Gastroenterology, 2022, 162, 2004-2017.e2.	0.6	43
9	A novel approach for correction of crosstalk effects in pathway analysis and its application in osteoporosis research. Scientific Reports, 2018, 8, 668.	1.6	37
10	Development of imaging-based risk scores for prediction of intracranial haemorrhage and ischaemic stroke in patients taking antithrombotic therapy after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies. Lancet Neurology, The, 2021, 20, 294-303.	4.9	37
11	An integrated model of N6-methyladenosine regulators to predict tumor aggressiveness and immune evasion in pancreatic cancer. EBioMedicine, 2021, 65, 103271.	2.7	33
12	An integrative imputation method based on multi-omics datasets. BMC Bioinformatics, 2016, 17, 247.	1.2	29
13	Integrative Analysis of Transcriptomic and Epigenomic Data to Reveal Regulation Patterns for BMD Variation. PLoS ONE, 2015, 10, e0138524.	1.1	25
14	Multivariate analysis of genomics data to identify potential pleiotropic genes for type 2 diabetes, obesity and dyslipidemia using Meta-CCA and gene-based approach. PLoS ONE, 2018, 13, e0201173.	1.1	24
15	Multivariate analysis of genome-wide data to identify potential pleiotropic genes for five major psychiatric disorders using MetaCCA. Journal of Affective Disorders, 2019, 242, 234-243.	2.0	24
16	Quantitative proteomics and integrative network analysis identified novel genes and pathways related to osteoporosis. Journal of Proteomics, 2016, 142, 45-52.	1.2	21
17	Impact of female cigarette smoking on circulating B cells in vivo: the suppressed ICOSLG, TCF3, and VCAM1 gene functional network may inhibit normal cell function. Immunogenetics, 2010, 62, 237-251.	1.2	20
18	Low-, high-coverage, and two-stage DNA sequencing in the design of the genetic association study. Genetic Epidemiology, 2017, 41, 187-197.	0.6	20

#	Article	IF	Citations
19	Long Noncoding RNA Analyses for Osteoporosis Risk in Caucasian Women. Calcified Tissue International, 2019, 105, 183-192.	1.5	20
20	Health Risks of Structural Firefighters from Exposure to Polycyclic Aromatic Hydrocarbons: A Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 4209.	1.2	20
21	Multivariate analysis of genome-wide data to identify potential pleiotropic genes for type 2 diabetes, obesity and coronary artery disease using MetaCCA. International Journal of Cardiology, 2019, 283, 144-150.	0.8	19
22	Potential Metabolite Biomarkers for Acute Versus Chronic Stage of Ischemic Stroke: A Pilot Study. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104618.	0.7	19
23	Fast and Accurate Detection of Complex Imaging Genetics Associations Based on Greedy Projected Distance Correlation. IEEE Transactions on Medical Imaging, 2018, 37, 860-870.	5.4	17
24	A Mitochondrial DNA A8701G Mutation Associated with Maternally Inherited Hypertension and Dilated Cardiomyopathy in a Chinese Pedigree of a Consanguineous Marriage. Chinese Medical Journal, 2016, 129, 259-266.	0.9	16
25	Significance of hydrogen sulfide in sepsis-induced myocardial injury in rats. Experimental and Therapeutic Medicine, 2017, 14, 2153-2161.	0.8	16
26	Conveniently-Grasped Field Assessment Stroke Triage (CG-FAST): A Modified Scale to Detect Large Vessel Occlusion Stroke. Frontiers in Neurology, 2019, 10, 390.	1.1	16
27	H7N9 not only endanger human health but also hit stock marketing. Advances in Disease Control and Prevention, 2017, 2, 1.	0.0	15
28	Mitochondrial DNA 7908–8816 region mutations in maternally inherited essential hypertensive subjects in China. BMC Medical Genomics, 2018, 11, 89.	0.7	14
29	Transcriptomic Data Identified Key Transcription Factors for Osteoporosis in Caucasian Women. Calcified Tissue International, 2018, 103, 581-588.	1.5	14
30	Urinary total arsenic and arsenic methylation capacity in pregnancy and gestational diabetes mellitus: A case-control study. Chemosphere, 2021, 271, 129828.	4.2	14
31	Genome-Wide Survey of Runs of Homozygosity Identifies Recessive Loci for Bone Mineral Density in Caucasian and Chinese Populations. Journal of Bone and Mineral Research, 2015, 30, 2119-2126.	3.1	13
32	Predicting Clinical Outcome After Mechanical Thrombectomy: The GADIS (Gender, Age, Diabetes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	13
33	Association of maximal systolic blood pressure with poor outcome in patients with hyperattenuated lesions on immediate NCCT after mechanical thrombectomy. Journal of NeuroInterventional Surgery, 2020, 12, 127-131.	2.0	12
34	A novel computational strategy for DNA methylation imputation using mixture regression model (MRM). BMC Bioinformatics, 2020, 21, 552.	1.2	12
35	ZIP4 promotes non-small cell lung cancer metastasis by activating snail-N-cadherin signaling axis. Cancer Letters, 2021, 521, 71-81.	3.2	12
36	EPS-LASSO: test for high-dimensional regression under extreme phenotype sampling of continuous traits. Bioinformatics, 2018, 34, 1996-2003.	1.8	11

#	Article	IF	Citations
37	Increased procoagulant platelet levels are predictive of death in COVID-19. GeroScience, 2021, 43, 2055-2065.	2.1	11
38	MicroRNA–mRNA interaction analysis to detect potential dysregulation in complex diseases. Network Modeling Analysis in Health Informatics and Bioinformatics, 2015, 4, 1.	1.2	10
39	Associations of mitochondrial DNA 3777–4679 region mutations with maternally inherited essential hypertensive subjects in China. BMC Medical Genetics, 2020, 21, 105.	2.1	10
40	Comparison of various reconstructions derived from dual-energy CT immediately after endovascular treatment of acute ischemic stroke in predicting hemorrhage. European Radiology, 2021, 31, 4419-4427.	2.3	10
41	Meta-Analysis of Genome-Wide Association Studies Identifies Novel Functional CpG-SNPs Associated with Bone Mineral Density at Lumbar Spine. International Journal of Genomics, 2018, 2018, 1-11.	0.8	9
42	Identify gene expression pattern change at transcriptional and post-transcriptional levels. Transcription, 2019, 10, 137-146.	1.7	9
43	Mendelian Randomization Identifies CpG Methylation Sites With Mediation Effects for Genetic Influences on BMD in Peripheral Blood Monocytes. Frontiers in Genetics, 2020, 11, 60.	1.1	9
44	Seed-mediated RNA interference of androgen signaling and survival networks induces cell death in prostate cancer cells. Molecular Therapy - Nucleic Acids, 2021, 24, 337-351.	2.3	9
45	Gene-based GWAS analysis for consecutive studies of GEFOS. Osteoporosis International, 2018, 29, 2645-2658.	1.3	8
46	Novel Metabolites as Potential Indicators of Ischemic Infarction Volume: a Pilot Study. Translational Stroke Research, 2021, 12, 778-784.	2.3	8
47	Downregulated lncRNA RCPCD promotes differentiation of embryonic stem cells into cardiac pacemaker-like cells by suppressing HCN4 promoter methylation. Cell Death and Disease, 2021, 12, 667.	2.7	8
48	A Systemic Analysis of Transcriptomic and Epigenomic Data To Reveal Regulation Patterns for Complex Disease. G3: Genes, Genomes, Genetics, 2017, 7, 2271-2279.	0.8	7
49	Longer Length of Delayed-Contrast Filling of Clot on 4-Dimensional Computed Tomographic Angiography Predicts Cardiogenic Embolism. Stroke, 2019, 50, 2568-2570.	1.0	7
50	Pre-incubation with OATP1B1 and OATP1B3 inhibitors potentiates inhibitory effects in physiologically relevant sandwich-cultured primary human hepatocytes. European Journal of Pharmaceutical Sciences, 2021, 165, 105951.	1.9	7
51	Global Metabolomic Profiling Reveals Disrupted Lipid and Amino Acid Metabolism Between the Acute and Chronic Stages of Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106320.	0.7	7
52	Assessing urinary phenol and paraben mixtures in pregnant women with and without gestational diabetes mellitus: A case-control study. Environmental Research, 2022, 214, 113897.	3.7	7
53	Mass spectrometry based proteomics profiling of human monocytes. Protein and Cell, 2017, 8, 123-133.	4.8	6
54	Genetic risk factors identified in populations of European descent do not improve the prediction of osteoporotic fracture and bone mineral density in Chinese populations. Scientific Reports, 2019, 9, 6086.	1.6	6

#	Article	IF	Citations
55	Randomized controlled trial of genotype‐guided warfarin anticoagulation in Chinese elderly patients with nonvalvular atrial fibrillation. Journal of Clinical Pharmacy and Therapeutics, 2020, 45, 1466-1473.	0.7	6
56	Quantitative Analysis of Stress-Induced Hyperglycemia and Intracranial Blood Volumes for Predicting Mortality After Intracerebral Hemorrhage. Translational Stroke Research, 2022, 13, 595-603.	2.3	6
57	KRCC1: A potential therapeutic target in ovarian cancer. FASEB Journal, 2020, 34, 2287-2300.	0.2	5
58	Predictive value of carotid artery ultrasonography for the risk of coronary artery disease. Journal of Clinical Ultrasound, 2021, 49, 218-226.	0.4	5
59	Early IFN-β administration protects cigarette smoke exposed mice against lethal influenza virus infection without increasing lung inflammation. Scientific Reports, 2022, 12, 4080.	1.6	5
60	Integrative genomic analysis predicts novel functional enhancer-SNPs for bone mineral density. Human Genetics, 2019, 138, 167-185.	1.8	4
61	Survival-Critical Genes Associated with Copy Number Alterations in Lung Adenocarcinoma. Cancers, 2021, 13, 2586.	1.7	4
62	Case Report: Spontaneous Intramural Hematoma of the Colon Secondary to Low Molecular Weight Heparin Therapy. Frontiers in Pharmacology, 2021, 12, 598661.	1.6	4
63	A Mitochondrial DNA A8701G Mutation Partly Associated with Maternally Inherited Hypertension and Dilated Cardiomyopathy in a Chinese Pedigree. Chinese Medical Journal, 2016, 129, 1890.	0.9	4
64	EWI2 promotes endolysosome-mediated turnover of growth factor receptors and integrins to suppress lung cancer. Cancer Letters, 2022, 536, 215641.	3.2	4
65	Modification of a Smoking Motivation Questionnaire for Chinese Medical Students. Asian Pacific Journal of Cancer Prevention, 2014, 15, 2707-2711.	0.5	3
66	Evaluation of I-TAC as a potential early plasma marker to differentiate between critical and non-critical COVID-19. Cell Stress, 2021, 6, 6-16.	1.4	3
67	Handling high-dimensional data with missing values by modern machine learning techniques. Journal of Applied Statistics, 2023, 50, 786-804.	0.6	3
68	Identification of Candidate Biomarker and Drug Targets for Improving Endometrial Cancer Racial Disparities. International Journal of Molecular Sciences, 2022, 23, 7779.	1.8	3
69	Urinary Metabolites of Polycyclic Aromatic Hydrocarbons in Firefighters: A Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health, 2022, 19, 8475.	1.2	3
70	Evaluation Model for Breast Cancer Susceptibly Gene and its Implementation Using Cytoscape. , 2009, , .		2
71	IFNG+874A/T polymorphisms and IFNG CA repeat polymorphism associated with asthma in Asian – a meta-analysis. Journal of Asthma, 2014, 51, 1014-1021.	0.9	2
72	Characterization of Human Chromosomal Material Exchange with Regard to the Chromosome Translocations Using Next-Generation Sequencing Data. Genome Biology and Evolution, 2014, 6, 3015-3024.	1.1	2

#	Article	IF	Citations
73	Rare variant association analysis in case-parents studies by allowing for missing parental genotypes. BMC Genetics, 2018, 19, 7.	2.7	2
74	Medium-coverage DNA sequencing in the design of the genetic association study. European Journal of Human Genetics, 2020, 28, 1459-1466.	1.4	2
75	Multi-criteria evaluation model reveals SMC4L1 gene maybe a breast cancer susceptibility gene. , 2009, , .		1
76	An inappropriate pacing threshold increase after repeated electrical storm in a patient with implantable cardioverter defibrillator. BMC Cardiovascular Disorders, 2017, 17, 265.	0.7	1
77	Pathogenicity of the homoplasmic C3275T, T4363C and A8343G variant requires confirmation. Gene, 2019, 680, 97-98.	1.0	1
78	Iodinated Contrast Agents Reduce the Efficacy of Intravenous Recombinant Tissue-Type Plasminogen Activator in Acute Ischemic Stroke Patients: a Multicenter Cohort Study. Translational Stroke Research, 2020, 12, 530-539.	2.3	1
79	Management of Aneurysmal Subarachnoid Hemorrhage: Variation in Clinical Practice and Unmet Need for Follow-up among Survivorsâ€"A Single-Center Perspective. World Neurosurgery, 2020, 139, e608-e617.	0.7	1
80	The Impact of Adherence to Disease-Modifying Therapies on Functional Outcomes in Veterans with Multiple Sclerosis. Journal of Central Nervous System Disease, 2021, 13, 117957352110287.	0.7	1
81	Impact of adherence to disease-modifying therapies on employment among veterans with multiple sclerosis. Disability and Rehabilitation, 2021, , 1-6.	0.9	1
82	Criteria for Emergency Brain MRI During Stroke-Alert. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105890.	0.7	1
83	Development of a Rat Sandwich-Cultured Hepatocytes Model Expressing Functional Human Organic Anion Transporting Polypeptide (OATP) 1B3: A Potential Screening Tool for Liver-Targeting Compounds. Journal of Pharmacy and Pharmaceutical Sciences, 2021, 24, 475-483.	0.9	1
84	Diagnostic Yield of 8-Hour Video-EEG in Detecting Psychogenic Non-Epileptic Seizures (PNES). Neurodiagnostic Journal,the, 2021, 61, 186-195.	0.1	1
85	Genomic instability genes in lung and colon adenocarcinoma indicate organ specificity of transcriptomic impact on Copy Number Alterations. Scientific Reports, 2022, 12, .	1.6	1
86	Gene Expression and Profiling. Translational Bioinformatics, 2016, , 59-82.	0.0	0
87	An adaptive strategy for association analysis of common or rare variants using entropy theory. Journal of Human Genetics, 2017, 62, 777-781.	1.1	0
88	In Reply to the Letter to the Editor Regarding â€œPredicting Clinical Outcome After Mechanical Thrombectomy: The GADIS (Gender, Age, Diabetes Mellitus History, Infarct Volume, and Sex) Scoreâ€. World Neurosurgery, 2020, 138, 589-590.	0.7	0
89	Abstract P754: Prothrombotic and Proinflammatory Milieu in Diabetic and Non-Diabetic Stroke Cohort - Using Coated-Platelets and Peripheral Blood Indices. Stroke, 2021, 52, .	1.0	0
90	Abstract P721: Parkinsonâ€™s Disease Patients With Ischemic Stroke Have Shorter Hospital Stay Compared to Those Without Parkinsonâ€™s Disease: A National Inpatient Sample Study 1998-2017. Stroke, 2021, 52, .	1.0	0

#	Article	IF	Citations
91	Editorial: Application of Novel Statistical and Machine-Learning Methods to High-Dimensional Clinical Cancer and (Multi-)Omics Data. Frontiers in Genetics, 2021, 12, 739442.	1.1	0
92	Abstract TP543: Trends of Peripheral Blood Indices in Predicting Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. Stroke, 2019, 50, .	1.0	0
93	Abstract TP251: Metabolomic Biomarker Predictors of Infarct Size in Acute Ischemic Stroke. Stroke, 2019, 50, .	1.0	0
94	Abstract WP420: Incidence of Contrast Induced Nephropathy Among Different Stroke Subtypes After Adoption of New Emergency Brain Imaging Protocol for Acute Stroke - A Single Center Perspective. Stroke, 2019, 50, .	1.0	0
95	Abstract WP500: Long-Term Cognitive Outcome Among Aneurysmal Subarachnoid Hemorrhage Survivors: Need for Cognitive Rehabilitation?. Stroke, 2020, 51, .	1.0	0
96	Abstract TP346: Quantitative Analysis of Intracranial Blood Volumes and Relationship With Stress Induced Hyperglycemia and Outcomes in Intracerebral Hemorrhage. Stroke, 2020, 51, .	1.0	0
97	Abstract TP244: Predictive Scoring System to Differentiate Acute Ischemic Stroke From Stroke Mimic During Code Stroke Evaluation. Stroke, 2020, 51, .	1.0	0
98	Comprehensively evaluating cancer survival in children with birth defects: a population-based assessment. Cancer Causes and Control, 2022, , 1.	0.8	0
99	Exosome-derived miR-127-5p promotes embryonic-like stem cells differentiation into pacemaker cell through NKx2.5 down-regulation. Biochemical and Biophysical Research Communications, 2022, 611, 68-77.	1.0	0