

Yang Xie

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

9,397
citations

50170

46
h-index

45213

90
g-index

136
all docs

136
docs citations

136
times ranked

17639
citing authors

#	ARTICLE	IF	CITATIONS
1	The U6 snRNA m 6 A Methyltransferase METTL16 Regulates SAM Synthetase Intron Retention. <i>Cell</i> , 2017, 169, 824-835.e14.	13.5	756
2	Noncoding RNA NORAD Regulates Genomic Stability by Sequestering PUMILIO Proteins. <i>Cell</i> , 2016, 164, 69-80.	13.5	723
3	Poly-dipeptides encoded by the <i>C9orf72</i> repeats bind nucleoli, impede RNA biogenesis, and kill cells. <i>Science</i> , 2014, 345, 1139-1145.	6.0	551
4	Targeting renal cell carcinoma with a HIF-2 antagonist. <i>Nature</i> , 2016, 539, 112-117.	13.7	521
5	Metagenomic Shotgun Sequencing and Unbiased Metabolomic Profiling Identify Specific Human Gut Microbiota and Metabolites Associated with Immune Checkpoint Therapy Efficacy in Melanoma Patients. <i>Neoplasia</i> , 2017, 19, 848-855.	2.3	475
6	Anticancer sulfonamides target splicing by inducing RBM39 degradation via recruitment to DCAF15. <i>Science</i> , 2017, 356, .	6.0	441
7	Activation of HIF-1 α and LL-37 by commensal bacteria inhibits <i>Candida albicans</i> colonization. <i>Nature Medicine</i> , 2015, 21, 808-814.	15.2	333
8	A community computational challenge to predict the activity of pairs of compounds. <i>Nature Biotechnology</i> , 2014, 32, 1213-1222.	9.4	264
9	Beclin-1-Dependent Autophagy Protects the Heart During Sepsis. <i>Circulation</i> , 2018, 138, 2247-2262.	1.6	255
10	An Argonaute phosphorylation cycle promotes microRNA-mediated silencing. <i>Nature</i> , 2017, 542, 197-202.	13.7	232
11	Transforming activity of an oncoprotein-encoding circular RNA from human papillomavirus. <i>Nature Communications</i> , 2019, 10, 2300.	5.8	218
12	Trends in leukemia incidence and survival in the United States (1973-1998). <i>Cancer</i> , 2003, 97, 2229-2235.	2.0	192
13	Artificial Intelligence in Lung Cancer Pathology Image Analysis. <i>Cancers</i> , 2019, 11, 1673.	1.7	152
14	Robust Gene Expression Signature from Formalin-Fixed Paraffin-Embedded Samples Predicts Prognosis of Non-Small-Cell Lung Cancer Patients. <i>Clinical Cancer Research</i> , 2011, 17, 5705-5714.	3.2	150
15	An Expression Signature as an Aid to the Histologic Classification of Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 4880-4889.	3.2	140
16	Comprehensive Computational Pathological Image Analysis Predicts Lung Cancer Prognosis. <i>Journal of Thoracic Oncology</i> , 2017, 12, 501-509.	0.5	138
17	Development and Validation of a Nomogram Prognostic Model for SCLC Patients. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1338-1348.	0.5	138
18	Antibiotic-Induced Depletion of Anti-inflammatory Clostridia Is Associated with the Development of Graft-versus-Host Disease in Pediatric Stem Cell Transplantation Patients. <i>Biology of Blood and Marrow Transplantation</i> , 2017, 23, 820-829.	2.0	130

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19	Immune dysregulation in cancer patients developing immune-related adverse events. <i>British Journal of Cancer</i> , 2019, 120, 63-68.	2.9	126
20	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.	5.1	124
21	Increased autophagy blocks HER2-mediated breast tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4176-4181.	3.3	106
22	A note on using permutation-based false discovery rate estimates to compare different analysis methods for microarray data. <i>Bioinformatics</i> , 2005, 21, 4280-4288.	1.8	104
23	Targeting glutamine metabolism sensitizes pancreatic cancer to PARP-driven metabolic catastrophe induced by γ -lapachone. <i>Cancer & Metabolism</i> , 2015, 3, 12.	2.4	104
24	FMAP: Functional Mapping and Analysis Pipeline for metagenomics and metatranscriptomics studies. <i>BMC Bioinformatics</i> , 2016, 17, 420.	1.2	98
25	Decreased BECN1 mRNA Expression in Human Breast Cancer is Associated With Estrogen Receptor-Negative Subtypes and Poor Prognosis. <i>EBioMedicine</i> , 2015, 2, 255-263.	2.7	95
26	Comprehensive functional characterization of cancer-associated testis antigens defines obligate participation in multiple hallmarks of cancer. <i>Nature Communications</i> , 2015, 6, 8840.	5.8	94
27	Predictors and Intensity of Online Access to Electronic Medical Records Among Patients With Cancer. <i>Journal of Oncology Practice</i> , 2014, 10, e307-e312.	2.5	90
28	Computational Staining of Pathology Images to Study the Tumor Microenvironment in Lung Cancer. <i>Cancer Research</i> , 2020, 80, 2056-2066.	0.4	88
29	Aryl Sulfonamides Degrade RBM39 and RBM23 by Recruitment to CRL4-DCAF15. <i>Cell Reports</i> , 2019, 29, 1499-1510.e6.	2.9	84
30	The antitumor toxin CD437 is a direct inhibitor of DNA polymerase δ . <i>Nature Chemical Biology</i> , 2016, 12, 511-515.	3.9	83
31	LCE: an open web portal to explore gene expression and clinical associations in lung cancer. <i>Oncogene</i> , 2019, 38, 2551-2564.	2.6	78
32	Comprehensive analysis of lung cancer pathology images to discover tumor shape and boundary features that predict survival outcome. <i>Scientific Reports</i> , 2018, 8, 10393.	1.6	77
33	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.	3.3	75
34	Crowdsourced assessment of common genetic contribution to predicting anti-TNF treatment response in rheumatoid arthritis. <i>Nature Communications</i> , 2016, 7, 12460.	5.8	73
35	eIF5B drives integrated stress response-dependent translation of PD-L1 in lung cancer. <i>Nature Cancer</i> , 2020, 1, 533-545.	5.7	73
36	Statistical methods of background correction for Illumina BeadArray data. <i>Bioinformatics</i> , 2009, 25, 751-757.	1.8	72

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37	The Hormone FGF21 Stimulates Water Drinking in Response to Ketogenic Diet and Alcohol. <i>Cell Metabolism</i> , 2018, 27, 1338-1347.e4.	7.2	72
38	Phase 1 study of ARQ 761, a β -lapachone analogue that promotes NQO1-mediated programmed cancer cell necrosis. <i>British Journal of Cancer</i> , 2018, 119, 928-936.	2.9	66
39	ConvPath: A software tool for lung adenocarcinoma digital pathological image analysis aided by a convolutional neural network. <i>EBioMedicine</i> , 2019, 50, 103-110.	2.7	66
40	Design and bioinformatics analysis of genome-wide CLIP experiments. <i>Nucleic Acids Research</i> , 2015, 43, 5263-5274.	6.5	65
41	PUMILIO hyperactivity drives premature aging of Norad-deficient mice. <i>ELife</i> , 2019, 8, .	2.8	65
42	Evaluation of the 7th and 8th editions of the AJCC/UICC TNM staging systems for lung cancer in a large North American cohort. <i>Oncotarget</i> , 2017, 8, 66784-66795.	0.8	63
43	A Phase I Dose-Escalation Trial of Single-Fraction Stereotactic Radiation Therapy for Liver Metastases. <i>Annals of Surgical Oncology</i> , 2016, 23, 218-224.	0.7	61
44	Sorting nexin 5 mediates virus-induced autophagy and immunity. <i>Nature</i> , 2021, 589, 456-461.	13.7	61
45	Severe Gut Microbiota Dysbiosis Is Associated With Poor Growth in Patients With Short Bowel Syndrome. <i>Journal of Parenteral and Enteral Nutrition</i> , 2017, 41, 1202-1212.	1.3	58
46	Variation in the Assessment of Immune-Related Adverse Event Occurrence, Grade, and Timing in Patients Receiving Immune Checkpoint Inhibitors. <i>JAMA Network Open</i> , 2019, 2, e1911519.	2.8	57
47	PROTODADHERIN 7 Acts through SET and PP2A to Potentiate MAPK Signaling by EGFR and KRAS during Lung Tumorigenesis. <i>Cancer Research</i> , 2017, 77, 187-197.	0.4	55
48	High-dimensional genomic data bias correction and data integration using MANCIE. <i>Nature Communications</i> , 2016, 7, 11305.	5.8	52
49	VAMPr: VARIant Mapping and Prediction of antibiotic resistance via explainable features and machine learning. <i>PLoS Computational Biology</i> , 2020, 16, e1007511.	1.5	50
50	Tumor-suppressor function of Beclin 1 in breast cancer cells requires E-cadherin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	50
51	Cell-autonomous immune gene expression is repressed in pulmonary neuroendocrine cells and small cell lung cancer. <i>Communications Biology</i> , 2021, 4, 314.	2.0	44
52	Phase 1 study of romidepsin plus erlotinib in advanced non-small cell lung cancer. <i>Lung Cancer</i> , 2015, 90, 534-541.	0.9	43
53	A Systematic Analysis Reveals Heterogeneous Changes in the Endocytic Activities of Cancer Cells. <i>Cancer Research</i> , 2015, 75, 4640-4650.	0.4	43
54	The Nuclear Receptor DAF-12 Regulates Nutrient Metabolism and Reproductive Growth in Nematodes. <i>PLoS Genetics</i> , 2015, 11, e1005027.	1.5	41

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55	Loss of <i>Dis3l2</i> partially phenocopies Perlman syndrome in mice and results in up-regulation of <i>Igf2</i> in nephron progenitor cells. <i>Genes and Development</i> , 2018, 32, 903-908.	2.7	34
56	Association between immune-related adverse event timing and treatment outcomes. <i>Oncolmmunology</i> , 2022, 11, 2017162.	2.1	33
57	Automatic extraction of cell nuclei from H&E-stained histopathological images. <i>Journal of Medical Imaging</i> , 2017, 4, 027502.	0.8	32
58	Nuclear receptor NR4A1 is a tumor suppressor down-regulated in triple-negative breast cancer. <i>Oncotarget</i> , 2017, 8, 54364-54377.	0.8	32
59	Microvessel prediction in H&E Stained Pathology Images using fully convolutional neural networks. <i>BMC Bioinformatics</i> , 2018, 19, 64.	1.2	32
60	GeNeCK: a web server for gene network construction and visualization. <i>BMC Bioinformatics</i> , 2019, 20, 12.	1.2	29
61	Ensemble-Based Network Aggregation Improves the Accuracy of Gene Network Reconstruction. <i>PLoS ONE</i> , 2014, 9, e106319.	1.1	26
62	Increase in Cancer Center Staff Effort Related to Electronic Patient Portal Use. <i>Journal of Oncology Practice</i> , 2016, 12, e981-e990.	2.5	24
63	A deep learning-based model for screening and staging pneumoconiosis. <i>Scientific Reports</i> , 2021, 11, 2201.	1.6	24
64	A Model-Based Approach to Identify Binding Sites in CLIP-Seq Data. <i>PLoS ONE</i> , 2014, 9, e93248.	1.1	22
65	The Kub5-Hera/RPRD1B interactome: a novel role in preserving genetic stability by regulating DNA mismatch repair. <i>Nucleic Acids Research</i> , 2016, 44, 1718-1731.	6.5	21
66	Usage and survival implications of surgical staging of inguinal lymph nodes in intermediate- to high-risk, clinical localized penile cancer: A propensity-score matched analysis. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2018, 36, 159.e7-159.e17.	0.8	21
67	Unique mutation patterns in anaplastic thyroid cancer identified by comprehensive genomic profiling. <i>Head and Neck</i> , 2019, 41, 1928-1934.	0.9	21
68	Identification of scavenger receptor B1 as the airway microfold cell receptor for <i>Mycobacterium tuberculosis</i> . <i>ELife</i> , 2020, 9, .	2.8	21
69	Association of Healthcare Access With Intensive Care Unit Utilization and Mortality in Patients of Hispanic Ethnicity Hospitalized With COVID-19. <i>Journal of Hospital Medicine</i> , 2021, 16, 659-666.	0.7	20
70	Identifying CDKN3 Gene Expression as a Prognostic Biomarker in Lung Adenocarcinoma via Meta-analysis. <i>Cancer Informatics</i> , 2015, 14s2, CIN.S17287.	0.9	19
71	HITS-CLIP Analysis Uncovers a Link between the Kaposi's Sarcoma-Associated Herpesvirus ORF57 Protein and Host Pre-mRNA Metabolism. <i>PLoS Pathogens</i> , 2015, 11, e1004652.	2.1	19
72	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.	2.9	19

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73	Type and case volume of health care facility influences survival and surgery selection in cases with early-stage non-small cell lung cancer. <i>Cancer</i> , 2019, 125, 4252-4259.	2.0	19
74	Biomarkers for RBM39 degradation in acute myeloid leukemia. <i>Leukemia</i> , 2020, 34, 1924-1928.	3.3	19
75	TK216 targets microtubules in Ewing sarcoma cells. <i>Cell Chemical Biology</i> , 2022, 29, 1325-1332.e4.	2.5	19
76	A Bayesian hidden Potts mixture model for analyzing lung cancer pathology images. <i>Biostatistics</i> , 2019, 20, 565-581.	0.9	17
77	Late-Onset Immunotherapy Toxicity and Delayed Autoantibody Changes: Checkpoint Inhibitor-Induced Raynaud's-Like Phenomenon. <i>Oncologist</i> , 2020, 25, e753-e757.	1.9	17
78	Large-Scale Profiling of RBP-circRNA Interactions from Public CLIP-Seq Datasets. <i>Genes</i> , 2020, 11, 54.	1.0	17
79	Experience, Perceptions, and Recommendations Concerning COVID-19-Related Clinical Research Adjustments. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2021, 19, 505-512.	2.3	17
80	Characteristics of Patients Using Patient Portals in Oncology. <i>JAMA Oncology</i> , 2018, 4, 416.	3.4	16
81	Main bronchus location is a predictor for metastasis and prognosis in lung adenocarcinoma: A large cohort analysis. <i>Lung Cancer</i> , 2018, 120, 22-26.	0.9	16
82	Engineering Forward Genetics into Cultured Cancer Cells for Chemical Target Identification. <i>Cell Chemical Biology</i> , 2019, 26, 1315-1321.e3.	2.5	16
83	Divergent prognostic effects of pre-existing and treatment-emergent thyroid dysfunction in patients treated with immune checkpoint inhibitors. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 2169-2181.	2.0	16
84	Mobile Device Applications for Electronic Patient Portals in Oncology. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-8.	1.0	15
85	A Case Study on Choosing Normalization Methods and Test Statistics for Two-Channel Microarray Data. <i>Comparative and Functional Genomics</i> , 2004, 5, 432-444.	2.0	14
86	Practice Patterns and Impact of Postchemotherapy Retroperitoneal Lymph Node Dissection on Testicular Cancer Outcomes. <i>European Urology Oncology</i> , 2018, 1, 242-251.	2.6	14
87	MB-GAN: Microbiome Simulation via Generative Adversarial Network. <i>GigaScience</i> , 2021, 10, .	3.3	14
88	Systematic Analysis of Gene Expression in Lung Adenocarcinoma and Squamous Cell Carcinoma with a Case Study of FAM83A and FAM83B. <i>Cancers</i> , 2019, 11, 886.	1.7	13
89	Validation of the 12-gene Predictive Signature for Adjuvant Chemotherapy Response in Lung Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 150-157.	3.2	13
90	Closing the gap: Contribution of surgical best practices to outcome differences between high- and low-volume centers for lung cancer resection. <i>Cancer Medicine</i> , 2020, 9, 4137-4147.	1.3	13

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91	Intramolecular circularization increases efficiency of RNA sequencing and enables CLIP-Seq of nuclear RNA from human cells. <i>Nucleic Acids Research</i> , 2015, 43, e75-e75.	6.5	12
92	Kub5-Hera<i>RPRD1B</i> Deficiency Promotes “BRCAness” and Vulnerability to PARP Inhibition in BRCA-proficient Breast Cancers. <i>Clinical Cancer Research</i> , 2018, 24, 6459-6470.	3.2	11
93	Development and Validation of a Nomogram Prognostic Model for Patients With Advanced Non-Small-Cell Lung Cancer. <i>Cancer Informatics</i> , 2019, 18, 117693511983754.	0.9	10
94	Statin Intolerance, Anti-HMGCR Antibodies, and Immune Checkpoint Inhibitor-Associated Myositis: A “Two-Hit” Autoimmune Toxicity or Clinical Predisposition?. <i>Oncologist</i> , 2020, 25, e1242-e1245.	1.9	10
95	Deep Learning of Rhabdomyosarcoma Pathology Images for Classification and Survival Outcome Prediction. <i>American Journal of Pathology</i> , 2022, 192, 917-925.	1.9	10
96	A Bayesian approach to joint modeling of protein-DNA binding, gene expression and sequence data. <i>Statistics in Medicine</i> , 2010, 29, 489-503.	0.8	9
97	A Multipronged Approach Establishes Covalent Modification of β -Tubulin as the Mode of Action of Benzamide Anti-cancer Toxins. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 14054-14066.	2.9	9
98	BepiTBR: T-B reciprocity enhances B cell epitope prediction. <i>IScience</i> , 2022, 25, 103764.	1.9	9
99	Association between Antibiotic Exposure and Systemic Immune Parameters in Cancer Patients Receiving Checkpoint Inhibitor Therapy. <i>Cancers</i> , 2022, 14, 1327.	1.7	9
100	DIGREM: an integrated web-based platform for detecting effective multi-drug combinations. <i>Bioinformatics</i> , 2019, 35, 1792-1794.	1.8	8
101	Development and Validation of a Pathology Image Analysis-based Predictive Model for Lung Adenocarcinoma Prognosis - A Multi-cohort Study. <i>Scientific Reports</i> , 2019, 9, 6886.	1.6	8
102	Evaluating short-term forecasting of COVID-19 cases among different epidemiological models under a Bayesian framework. <i>GigaScience</i> , 2021, 10, .	3.3	8
103	Longitudinal Experience With and Impressions of COVID-19-Related Clinical Research Changes. <i>JCO Oncology Practice</i> , 2022, 18, e98-e107.	1.4	8
104	Lack of Association Between Radiographic Tumor Burden and Efficacy of Immune Checkpoint Inhibitors in Advanced Lung Cancer. <i>Oncologist</i> , 2020, 25, 515-522.	1.9	7
105	iScreen: Image-Based High-Content RNAi Screening Analysis Tools. <i>Journal of Biomolecular Screening</i> , 2015, 20, 998-1002.	2.6	6
106	Development of a Data Model and Data Commons for Germ Cell Tumors. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 555-566.	1.0	6
107	Statistical Methods for Integrating Multiple Types of High-Throughput Data. <i>Methods in Molecular Biology</i> , 2010, 620, 511-529.	0.4	5
108	Usefulness of a Simple Algorithm to Identify Hypertensive Patients Who Benefit from Intensive Blood Pressure Lowering. <i>American Journal of Cardiology</i> , 2018, 122, 248-254.	0.7	5

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109	A Bayesian hierarchical model for analyzing methylated RNA immunoprecipitation sequencing data. <i>Quantitative Biology</i> , 2018, 6, 275-286.	0.3	5
110	Experience, Perceptions, and Recommendations Concerning COVID-19-Related Clinical Research Adjustments. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2021, 19, 505-512.	2.3	5
111	Incorporating prior information via shrinkage: a combined analysis of genome-wide location data and gene expression data. <i>Statistics in Medicine</i> , 2007, 26, 2258-2275.	0.8	4
112	DEFOR: depth- and frequency-based somatic copy number alteration detector. <i>Bioinformatics</i> , 2019, 35, 3824-3825.	1.8	4
113	Assessing consistency across functional screening datasets in cancer cells. <i>Bioinformatics</i> , 2021, 37, 4540-4547.	1.8	4
114	Finding RNA-Protein Interaction Sites Using HMMs. <i>Methods in Molecular Biology</i> , 2017, 1552, 177-184.	0.4	3
115	Identifying genes with tri-modal association with survival and tumor grade in cancer patients. <i>BMC Bioinformatics</i> , 2019, 20, 13.	1.2	3
116	Molecular differences across invasive lung adenocarcinoma morphological subgroups. <i>Translational Lung Cancer Research</i> , 2020, 9, 1029-1040.	1.3	3
117	SCT Promoter Methylation Is a Highly Discriminative Biomarker for Lung and Many Other Cancers. <i>IEEE Life Sciences Letters</i> , 2015, 1, 30-33.	1.2	2
118	Upfront Brain Treatments Followed by Lung Surgery Improves Survival for Stage IV Non-small Cell Lung Cancer Patients With Brain Metastases: A Large Cohort Analysis. <i>Frontiers in Surgery</i> , 2021, 8, 649531.	0.6	2
119	Phase I and pharmacodynamic study of the histone deacetylase (HDAC) inhibitor romidepsin plus erlotinib in previously treated advanced non-small cell lung cancer (NSCLC). <i>Journal of Clinical Oncology</i> , 2013, 31, 8088-8088.	0.8	2
120	MetaPrism: A versatile toolkit for joint taxa/gene analysis of metagenomic sequencing data. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	1
121	Developing and Using a Data Commons for Understanding the Molecular Characteristics of Germ Cell Tumors. <i>Methods in Molecular Biology</i> , 2021, 2195, 263-275.	0.4	1
122	Lung Cancer Computational Biology and Resources. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2022, 12, a038273.	2.9	1
123	RCDiff: A fully integrated Bayesian method for differential expression analysis using raw NanoString nCounter data. <i>Statistics in Medicine</i> , 2022, 41, 665-680.	0.8	1
124	Prevalence and predictors of online patient access to electronic medical records among patients with cancer. <i>Journal of Clinical Oncology</i> , 2013, 31, 35-35.	0.8	0
125	Abstract P5-17-09: A genome-wide CRISPR screen identifies PRMT5 as a novel therapeutic target in ER+/RB1-deficient breast cancer. <i>Cancer Research</i> , 2022, 82, P5-17-09-P5-17-09.	0.4	0