

Ying Huang

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

3,089
citations

218677

26
h-index

175258

52
g-index

91
all docs

91
docs citations

91
times ranked

4450
citing authors

#	ARTICLE	IF	CITATIONS
1	5-methylcytosine promotes pathogenesis of bladder cancer through stabilizing mRNAs. <i>Nature Cell Biology</i> , 2019, 21, 978-990.	10.3	410
2	Recognition of Histone H3 Lysine-4 Methylation by the Double Tudor Domain of JMJD2A. <i>Science</i> , 2006, 312, 748-751.	12.6	406
3	RNA 5-Methylcytosine Facilitates the Maternal-to-Zygotic Transition by Preventing Maternal mRNA Decay. <i>Molecular Cell</i> , 2019, 75, 1188-1202.e11.	9.7	242
4	Iron Metabolism Regulates p53 Signaling through Direct Heme-p53 Interaction and Modulation of p53 Localization, Stability, and Function. <i>Cell Reports</i> , 2014, 7, 180-193.	6.4	170
5	Ubiquitylation of p62/sequestosome1 activates its autophagy receptor function and controls selective autophagy upon ubiquitin stress. <i>Cell Research</i> , 2017, 27, 657-674.	12.0	143
6	Structural insights into mechanisms of the small RNA methyltransferase HEN1. <i>Nature</i> , 2009, 461, 823-827.	27.8	129
7	Structural basis for methylarginine-dependent recognition of Aubergine by Tudor. <i>Genes and Development</i> , 2010, 24, 1876-1881.	5.9	117
8	Readers, writers and erasers of N6-methylated adenosine modification. <i>Current Opinion in Structural Biology</i> , 2017, 47, 67-76.	5.7	82
9	A Metabolic Multistage Glutathione Depletion Used for Tumor-Specific Chemodynamic Therapy. <i>ACS Nano</i> , 2022, 16, 4228-4238.	14.6	81
10	Regulation of Arabidopsis Flowering by the Histone Mark Readers MRG1/2 via Interaction with CONSTANS to Modulate FT Expression. <i>PLoS Genetics</i> , 2014, 10, e1004617.	3.5	79
11	2-Deoxy-d-Glucose Treatment Decreases Anti-inflammatory M2 Macrophage Polarization in Mice with Tumor and Allergic Airway Inflammation. <i>Frontiers in Immunology</i> , 2017, 8, 637.	4.8	70
12	Single-cell CAS-seq reveals a class of short PIWI-interacting RNAs in human oocytes. <i>Nature Communications</i> , 2019, 10, 3389.	12.8	66
13	Technical Details and Clinical Outcomes of Transpopliteal Venous Stent Placement for Postthrombotic Chronic Total Occlusion of the Iliofemoral Vein. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 925-932.	0.5	56
14	Environmental exposure to perfluoroalkyl substances in early pregnancy, maternal glucose homeostasis and the risk of gestational diabetes: A prospective cohort study. <i>Environment International</i> , 2021, 156, 106621.	10.0	50
15	A Pandas complex adapted for piRNA-guided transcriptional silencing and heterochromatin formation. <i>Nature Cell Biology</i> , 2019, 21, 1261-1272.	10.3	49
16	Crystal structure of a Y-box binding protein 1 (YB-1)â€“RNA complex reveals key features and residues interacting with RNA. <i>Journal of Biological Chemistry</i> , 2019, 294, 10998-11010.	3.4	47
17	Transcription factors AS1 and AS2 interact with LHP1 to repress <i>KNOX</i> genes in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2016, 58, 959-970.	8.5	45
18	Crystal Structure of the HP1-EMSY Complex Reveals an Unusual Mode of HP1 Binding. <i>Structure</i> , 2006, 14, 703-712.	3.3	44

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19	Glucocorticoids induce apoptosis and matrix metalloproteinase-13 expression in chondrocytes through the NOX4/ROS/p38 MAPK pathway. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 181, 52-62.	2.5	44
20	ER-localized Hrd1 ubiquitinates and inactivates Usp15 to promote TLR4-induced inflammation during bacterial infection. <i>Nature Microbiology</i> , 2019, 4, 2331-2346.	13.3	39
21	PML-RAR α enhances constitutive autophagic activity through inhibiting the Akt/mTOR pathway. <i>Autophagy</i> , 2011, 7, 1132-1144.	9.1	37
22	Urban airborne PM2.5-activated microglia mediate neurotoxicity through glutaminase-containing extracellular vesicles in olfactory bulb. <i>Environmental Pollution</i> , 2020, 264, 114716.	7.5	36
23	Uncovering the mechanistic basis for specific recognition of monomethylated H3K4 by the CW domain of Arabidopsis histone methyltransferase SDG8. <i>Journal of Biological Chemistry</i> , 2018, 293, 6470-6481.	3.4	34
24	Structural insights into Rhino-mediated germline piRNA cluster formation. <i>Cell Research</i> , 2015, 25, 525-528.	12.0	32
25	MORF-RELATED GENE702, a Reader Protein of Trimethylated Histone H3 Lysine 4 and Histone H3 Lysine 36, Is Involved in Brassinosteroid-Regulated Growth and Flowering Time Control in Rice \hat{A} . <i>Plant Physiology</i> , 2015, 168, 1275-1285.	4.8	31
26	High-throughput single-cell cultivation reveals the underexplored rare biosphere in deep-sea sediments along the Southwest Indian Ridge. <i>Lab on A Chip</i> , 2020, 20, 363-372.	6.0	31
27	Salivary uric acid as a noninvasive biomarker for monitoring the efficacy of urate-lowering therapy in a patient with chronic gouty arthropathy. <i>Clinica Chimica Acta</i> , 2015, 450, 115-120.	1.1	28
28	QKI-5 regulates the alternative splicing of cytoskeletal gene <i>ADD3</i> in lung cancer. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 347-360.	3.3	27
29	Structural Insights into the pH-Dependent Conformational Change and Collagen Recognition of the Human Mannose Receptor. <i>Structure</i> , 2018, 26, 60-71.e3.	3.3	26
30	FAM122A, a new endogenous inhibitor of protein phosphatase 2A. <i>Oncotarget</i> , 2016, 7, 63887-63900.	1.8	26
31	Vanadium(IV)-chlorodipicolinate inhibits 3T3-L1 preadipocyte adipogenesis by activating LKB1/AMPK signaling pathway. <i>Journal of Inorganic Biochemistry</i> , 2016, 162, 1-8.	3.5	24
32	Structural and biochemical insights into small RNA 3' end trimming by Arabidopsis SDN1. <i>Nature Communications</i> , 2018, 9, 3585.	12.8	23
33	Architecture of cell-cell adhesion mediated by sidekicks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9246-9251.	7.1	23
34	Upregulated YB-1 protein promotes glioblastoma growth through a YB-1/CCT4/mLST8/mTOR pathway. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	21
35	Vanadium(IV)-chlorodipicolinate alleviates hepatic lipid accumulation by inducing autophagy via the LKB1/AMPK signaling pathway in vitro and in vivo. <i>Journal of Inorganic Biochemistry</i> , 2018, 183, 66-76.	3.5	19
36	Structural insights into Rhino-Deadlock complex for germline piRNA cluster specification. <i>EMBO Reports</i> , 2018, 19, .	4.5	19

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37	Structural insights into dsRNA processing by <i>Drosophila</i> Dicer-Loqs-PD. <i>Nature</i> , 2022, 607, 399-406.	27.8	19
38	Structural insights into the sequence-specific recognition of Piwi by <i>Drosophila</i> Papi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3374-3379.	7.1	18
39	LOXL1 exerts oncogenesis and stimulates angiogenesis through the LOXL1-FBLN5/ α 2 β 3 integrin/FAK-MAPK axis in ICC. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 797-810.	5.1	18
40	Keto acid metabolites of branched-chain amino acids inhibit oxidative stress-induced necrosis and attenuate myocardial ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 101, 90-98.	1.9	16
41	Sleep deprivation of rats increases postsurgical expression and activity of L-type calcium channel in the dorsal root ganglion and slows recovery from postsurgical pain. <i>Acta Neuropathologica Communications</i> , 2019, 7, 217.	5.2	16
42	Rett syndrome linked to defects in forming the MeCP2/Rbfox/LASR complex in mouse models. <i>Nature Communications</i> , 2021, 12, 5767.	12.8	16
43	5-HT3a Receptors Modulate Hippocampal Gamma Oscillations by Regulating Synchrony of Parvalbumin-Positive Interneurons. <i>Cerebral Cortex</i> , 2016, 26, bhu209.	2.9	15
44	Identification of substrates of the small RNA methyltransferase Hen1 in mouse spermatogonial stem cells and analysis of its methyl-transfer domain. <i>Journal of Biological Chemistry</i> , 2018, 293, 9981-9994.	3.4	13
45	Automatic segmentation of lung tumors on CT images based on a 2D & 3D hybrid convolutional neural network. <i>British Journal of Radiology</i> , 2021, 94, 20210038.	2.2	12
46	Endovascular treatment for symptomatic stent failures in long-segment chronic total occlusion of femoropopliteal arteries. <i>Journal of Vascular Surgery</i> , 2014, 60, 362-368.	1.1	11
47	Structural Analysis of the Arabidopsis AL2-PAL and PRC1 Complex Provides Mechanistic Insight into Active-to-Repressive Chromatin State Switch. <i>Journal of Molecular Biology</i> , 2018, 430, 4245-4259.	4.2	11
48	Virtual Patient-Specific Quality Assurance of IMRT Using UNet++: Classification, Gamma Passing Rates Prediction, and Dose Difference Prediction. <i>Frontiers in Oncology</i> , 2021, 11, 700343.	2.8	10
49	FAM122A supports the growth of hepatocellular carcinoma cells and its deletion enhances Doxorubicin-induced cytotoxicity. <i>Experimental Cell Research</i> , 2020, 387, 111714.	2.6	9
50	<i>Drosophila</i> P75 safeguards oogenesis by preventing H3K9me2 spreading. <i>Journal of Genetics and Genomics</i> , 2020, 47, 187-199.	3.9	8
51	RNA 5-methylcytosine regulates YBX2-dependent liquid-liquid phase separation. <i>Fundamental Research</i> , 2022, 2, 48-55.	3.3	8
52	Post-transcriptional regulation of miRNA biogenesis and functions. <i>Frontiers in Biology</i> , 2010, 5, 32-40.	0.7	6
53	Structural studies on MRG701 chromodomain reveal a novel dimerization interface of MRC proteins in green plants. <i>Protein and Cell</i> , 2016, 7, 792-803.	11.0	6
54	A 2D-3D hybrid convolutional neural network for lung lobe auto-segmentation on standard slice thickness computed tomography of patients receiving radiotherapy. <i>BioMedical Engineering OnLine</i> , 2021, 20, 94.	2.7	6

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55	Horizontal Gene Transfer of Genes Encoding Copper-Containing Membrane-Bound Monooxygenase (CuMMO) and Soluble Di-iron Monooxygenase (SDIMO) in Ethane- and Propane-Oxidizing <i>Rhodococcus</i> Bacteria. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0022721.	3.1	5
56	Deep Learning for Patient-Specific Quality Assurance: Predicting Gamma Passing Rates for IMRT Based on Delivery Fluence Informed by log Files. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382211048.	1.9	5
57	FAM122A promotes acute myeloid leukemia cell growth through inhibiting PP2A activity and sustaining MYC expression. <i>Haematologica</i> , 2021, 106, 903-907.	3.5	4
58	The complete genome of extracellular protease-producing <i>Deinococcus</i> sp. D7000 isolated from the hadal region of Mariana Trench Challenger Deep. <i>Marine Genomics</i> , 2021, 57, 100832.	1.1	4
59	Dosimetric comparison and biological evaluation of fixed-jaw intensity-modulated radiation therapy for T-shaped esophageal cancer. <i>Radiation Oncology</i> , 2021, 16, 158.	2.7	4
60	Dosimetric Comparison, Treatment Efficiency Estimation, and Biological Evaluation of Popular Stereotactic Radiosurgery Options in Treating Single Small Brain Metastasis. <i>Frontiers in Oncology</i> , 2021, 11, 716152.	2.8	4
61	Picoside II protects against sepsis via suppressing inflammation in mice. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 5519-5531.	0.0	4
62	Increased Combined Anteversion Is an Independent Predictor of Ischiofemoral Impingement in the Setting of Borderline Dysplasia With Coxa Profunda. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2022, 38, 1519-1527.	2.7	4
63	What Factors Are Associated With Postoperative Ischiofemoral Impingement After Bernese Periacetabular Osteotomy in Developmental Dysplasia of the Hip?. <i>Clinical Orthopaedics and Related Research</i> , 2022, Publish Ahead of Print, .	1.5	4
64	Crystallization and preliminary crystallographic study of rBmK1IT1, a recombinant δ -insect toxin from the scorpion <i>Buthus martensii</i> Karsch. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1635-1636.	2.5	3
65	Abdominal aortic wall motion of healthy and hypertensive subjects: Evaluation of tissue Doppler velocity imaging. <i>Journal of Clinical Ultrasound</i> , 2008, 36, 218-225.	0.8	3
66	FAM122A is required for hematopoietic stem cell function. <i>Leukemia</i> , 2021, 35, 2130-2134.	7.2	3
67	A novel CRT+IMRT+combined (Co-CRIM) planning technique for peripheral lung stereotactic body radiotherapy in pinnacle treatment planning system. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 97-107.	1.9	3
68	FAM122A Inhibits Erythroid Differentiation through GATA1. <i>Stem Cell Reports</i> , 2020, 15, 721-734.	4.8	2
69	FAM122A maintains DNA stability possibly through the regulation of topoisomerase III α expression. <i>Experimental Cell Research</i> , 2020, 396, 112242.	2.6	2
70	Regression models for predicting physical and EQD2 plan parameters of two methods of hybrid planning for stage III NSCLC. <i>Radiation Oncology</i> , 2021, 16, 119.	2.7	2
71	How Does the Gradient Measure of the Lung SBRT Treatment Plan Depend on the Tumor Volume and Shape?. <i>Frontiers in Oncology</i> , 2021, 11, 781302.	2.8	2
72	Detection of Small Inflammatory and Metastatic Lymph Nodes in Rabbits by Sonography. <i>Journal of Ultrasound in Medicine</i> , 2008, 27, 233-241.	1.7	1

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73	Structure of Zesteâ€‘DNA Complex Reveals a New Modality of DNA Recognition by Homeodomain-Like Proteins. <i>Journal of Molecular Biology</i> , 2015, 427, 3824-3833.	4.2	1
74	Individualized Fraction Regimen of SBRT Patients With Non-Small Cell Lung Cancer Based on Uncomplicated and Cancer-Free Control Probability. <i>Technology in Cancer Research and Treatment</i> , 2021, 20, 153303382110119.	1.9	1
75	PS-341 alleviates chronic low-grade inflammation and improves insulin sensitivity through the inhibition of TM4 (UBAC2) degradation. <i>Nutrition and Metabolism</i> , 2021, 18, 54.	3.0	1
76	Investigation of Predictors to Achieve Acceptable Lung Dose in T-Shaped Upper and Middle Esophageal Cancer With IMRT and VMAT. <i>Frontiers in Oncology</i> , 2021, 11, 735062.	2.8	1
77	Rhino defines H3K9me3-marked piRNA clusters. <i>Oncotarget</i> , 2015, 6, 20740-20741.	1.8	1
78	Structural basis of the bHLH domains of MyoD-E47 heterodimer. <i>Biochemical and Biophysical Research Communications</i> , 2022, 621, 88-93.	2.1	1
79	Measuring the Ocular Morphological Parameters of Guinea Pig Eye with Edge Detection and Curve Fitting. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-13.	1.3	0
80	Geometric and Dosimetric Changes in Tumor and Lung Tissue During Radiotherapy for Lung Cancer With Atelectasis. <i>Frontiers in Oncology</i> , 2021, 11, 690278.	2.8	0
81	Dosimetric effect of intensity-modulated radiation therapy for postoperative non-small cell lung cancer with and without air cavity in the planning target volume. <i>Medical Dosimetry</i> , 2022, 47, 32-37.	0.9	0
82	Influence of Clinical and Tumor Factors on Interfraction Setup Errors With Rotation Correction for Vacuum Cushion in Lung Stereotactic Body Radiation Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 734709.	2.8	0
83	Isotoxic investigation of 18F-FDG PET/CT-guided dose escalation with intensity-modulated radiotherapy for LA-NSCLC. <i>International Journal of Radiation Biology</i> , 2021, 97, 1-24.	1.8	0
84	Specific interaction between Lin28 and priâ€‘letâ€‘7g. <i>FASEB Journal</i> , 2009, 23, 844.2.	0.5	0
85	Structural insights into mechanisms of the small RNA methyltransferase HEN1. <i>FASEB Journal</i> , 2010, 24, 499.6.	0.5	0
86	Systematic studies on the recognition of 3â€‘-end methylated small silencing RNAs by PAZ domains. <i>FASEB Journal</i> , 2010, 24, .	0.5	0
87	Account for the Full Extent of Esophagus Motion in Radiation Therapy Planning: A Preliminary Study of the IRV of the Esophagus. <i>Frontiers in Oncology</i> , 2021, 11, 734552.	2.8	0
88	Voxel-Level BED Corrected Dosimetric and Radiobiological Assessment of 2 Kinds of Hybrid Radiotherapy Planning Methods for Stage III NSCLC. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382211079.	1.9	0