Lin Yang

List of Publications by Year
in descending order

95 papers	3,201 citations	145106 33 h-index	198040 52 g-index
105 all docs	105 docs citations	105 times ranked	5437 citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic performance of deep learning and computational fluid dynamics-based instantaneous wave-free ratio derived from computed tomography angiography. BMC Cardiovascular Disorders, 2022, 22, 33.	0.7	0
2	Clinicopathological features and prognostic analysis of 247 small cell lung cancer with limited-stage after surgery. Human Pathology, 2021, 108, 84-92.	1.1	6
3	Natural history of pathologically confirmed pulmonary subsolid nodules with deep learningâ€"assisted nodule segmentation. European Radiology, 2021, 31, 3884-3897.	2.3	20
4	Cell-autonomous immune gene expression is repressed in pulmonary neuroendocrine cells and small cell lung cancer. Communications Biology, 2021, 4, 314.	2.0	44
5	Adenosine A2a Receptors Improve Hypoxic Pulmonary Arterial Hypertension Via Mitochondrial ATP-sensitive Potassium Channels. Archives of Medical Science, 2021, , .	0.4	0
6	Metastatic NSCLCs With Limited Tissues: How to Effectively Identify Driver Alterations to Guide Targeted Therapy in Chinese Patients. JTO Clinical and Research Reports, 2021, 2, 100167.	0.6	0
7	Elucidation of the Mechanisms and Molecular Targets of Qishen Yiqi Formula for the Treatment of Pulmonary Arterial Hypertension using a Bioinformatics/Network Topology-based Strategy. Combinatorial Chemistry and High Throughput Screening, 2021, 24, 701-715.	0.6	5
8	Automatic whole slide pathology image diagnosis framework via unit stochastic selection and attention fusion. Neurocomputing, 2021, 453, 312-325.	3.5	17
9	EGFR mutation is positively correlated with C-Met protein expression: a study of 446 resected lung adenocarcinoma. Translational Cancer Research, 2021, 10, 233-240.	0.4	0
10	Transcriptome analysis of collagen VIâ€"related muscular dystrophy muscle biopsies. Annals of Clinical and Translational Neurology, 2021, 8, 2184-2198.	1.7	10
11	Graph temporal ensembling based semi-supervised convolutional neural network with noisy labels for histopathology image analysis. Medical Image Analysis, 2020, 60, 101624.	7.0	40
12	The prognostic significance of the treatment response of regional lymph nodes and the refinement of the current TNM staging system in locally advanced rectal cancer after neoadjuvant chemoradiotherapy. Cancer Medicine, 2020, 9, 9373-9384.	1.3	8
13	Generative Adversarial Domain Adaptation for Nucleus Quantification in Images of Tissue Immunohistochemically Stained for Ki-67. JCO Clinical Cancer Informatics, 2020, 4, 666-679.	1.0	8
14	Molecular differences across invasive lung adenocarcinoma morphological subgroups. Translational Lung Cancer Research, 2020, 9, 1029-1040.	1.3	3
15	Rule-based automatic diagnosis of thyroid nodules from intraoperative frozen sections using deep learning. Artificial Intelligence in Medicine, 2020, 108, 101918.	3.8	21
16	Interactive thyroid whole slide image diagnostic system using deep representation. Computer Methods and Programs in Biomedicine, 2020, 195, 105630.	2.6	18
17	Anchor-Based Self-Ensembling for Semi-Supervised Deep Pairwise Hashing. International Journal of Computer Vision, 2020, 128, 2307-2324.	10.9	10
18	Computational Staining of Pathology Images to Study the Tumor Microenvironment in Lung Cancer. Cancer Research, 2020, 80, 2056-2066.	0.4	88

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19	RNA m6A Methylation Regulators Subclassify Luminal Subtype in Breast Cancer. Frontiers in Oncology, 2020, 10, 611191.	1.3	8
20	Correlation analysis between metabolic tumor burden measured by positron emission tomography/computed tomography and the 2015 World Health Organization classification of lung adenocarcinoma, with a risk prediction model of tumor spread through air spaces. Translational Cancer Research, 2020, 9, 6412-6422.	0.4	3
21	CT diagnosis of pleural and stromal invasion in malignant subpleural pure ground-glass nodules: an exploratory study. European Radiology, 2019, 29, 279-286.	2.3	28
22	Reduction of Autophagic Accumulation in Pompe Disease Mouse Model Following Gene Therapy. Current Gene Therapy, 2019, 19, 197-207.	0.9	16
23	Type and case volume of health care facility influences survival and surgery selection in cases with early‑stage non–small cell lung cancer. Cancer, 2019, 125, 4252-4259.	2.0	19
24	Towards pixel-to-pixel deep nucleus detection in microscopy images. BMC Bioinformatics, 2019, 20, 472.	1.2	16
25	Fully automatic knee osteoarthritis severity grading using deep neural networks with a novel ordinal loss. Computerized Medical Imaging and Graphics, 2019, 75, 84-92.	3.5	121
26	Pathologist-level interpretable whole-slide cancer diagnosis with deep learning. Nature Machine Intelligence, 2019, 1, 236-245.	8.3	178
27	Development and Validation of a Pathology Image Analysis-based Predictive Model for Lung Adenocarcinoma Prognosis - A Multi-cohort Study. Scientific Reports, 2019, 9, 6886.	1.6	8
28	ConvPath: A software tool for lung adenocarcinoma digital pathological image analysis aided by a convolutional neural network. EBioMedicine, 2019, 50, 103-110.	2.7	66
29	Qualitative and quantitative imaging features of pulmonary subsolid nodules: differentiating invasive adenocarcinoma from minimally invasive adenocarcinoma and preinvasive lesions. Journal of Thoracic Disease, 2019, 11, 4835-4846.	0.6	16
30	Towards cross-modal organ translation and segmentation: A cycle- and shape-consistent generative adversarial network. Medical Image Analysis, 2019, 52, 174-184.	7.0	67
31	LCE: an open web portal to explore gene expression and clinical associations in lung cancer. Oncogene, 2019, 38, 2551-2564.	2.6	78
32	Myostatin Inhibition Using ActRIIB-mFc Does Not Produce Weight Gain or Strength in the Nebulin Conditional KO Mouse. Journal of Neuropathology and Experimental Neurology, 2019, 78, 130-139.	0.9	11
33	Elimination of Autofluorescence in Archival Formaldehyde-Fixed, Paraffin-Embedded Bone Marrow Biopsies. Archives of Pathology and Laboratory Medicine, 2019, 143, 362-369.	1.2	5
34	Texture analysis for muscular dystrophy classification in MRI with improved class activation mapping. Pattern Recognition, 2019, 86, 368-375.	5.1	33
35	Correlation analysis of mesenchymal‑epithelial transition factor protein and human epidermal growth receptor‰2 protein expression in 1479 cases of lung adenocarcinoma in China. Thoracic Cancer, 2018, 9, 439-444.	0.8	2
36	Shell feature: a new radiomics descriptor for predicting distant failure after radiotherapy in non-small cell lung cancer and cervix cancer. Physics in Medicine and Biology, 2018, 63, 095007.	1.6	42

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37	Myostatin inhibition using mRK35 produces skeletal muscle growth and tubular aggregate formation in wild type and TgACTA1D286G nemaline myopathy mice. Human Molecular Genetics, 2018, 27, 638-648.	1.4	27
38	Main bronchus location is a predictor for metastasis and prognosis in lung adenocarcinoma: A large cohort analysis. Lung Cancer, 2018, 120, 22-26.	0.9	16
39	Efficient and robust cell detection: A structured regression approach. Medical Image Analysis, 2018, 44, 245-254.	7.0	98
40	Spread through air spaces predicts a worse survival in patients with stage I adenocarcinomas >2 cm after radical lobectomy. Journal of Thoracic Disease, 2018, 10, 5308-5317.	0.6	16
41	Comprehensive analysis of lung cancer pathology images to discover tumor shape and boundary features that predict survival outcome. Scientific Reports, 2018, 8, 10393.	1.6	77
42	Microvessel prediction in H&E Stained Pathology Images using fully convolutional neural networks. BMC Bioinformatics, 2018, 19, 64.	1.2	32
43	A prospective phase I study of hypo-fractionated neoadjuvant radiotherapy for locally advanced gastric cancer. BMC Cancer, 2018, 18, 803.	1.1	5
44	Development and Validation of a Nomogram Prognostic Model for SCLC Patients. Journal of Thoracic Oncology, 2018, 13, 1338-1348.	0.5	138
45	Systemic AAV8-Mediated Gene Therapy Drives Whole-Body Correction of Myotubular Myopathy in Dogs. Molecular Therapy, 2017, 25, 839-854.	3.7	81
46	Reninoma coexisting with adrenal adenoma during pregnancy: A case report. Oncology Letters, 2017, 13, 3186-3190.	0.8	5
47	<scp>AMPK</scp>Î±1â€<scp>LDH</scp> pathway regulates muscle stem cell selfâ€renewal by controlling metabolic homeostasis. EMBO Journal, 2017, 36, 1946-1962.	3.5	95
48	Disrupting Androgen Receptor Signaling Induces Snail-Mediated Epithelialâ€"Mesenchymal Plasticity in Prostate Cancer. Cancer Research, 2017, 77, 3101-3112.	0.4	68
49	Supervised graph hashing for histopathology image retrieval and classification. Medical Image Analysis, 2017, 42, 117-128.	7.0	34
50	Automatic extraction of cell nuclei from H&E-stained histopathological images. Journal of Medical Imaging, 2017, 4, 027502.	0.8	32
51	Comprehensive Computational Pathological Image Analysis Predicts Lung Cancer Prognosis. Journal of Thoracic Oncology, 2017, 12, 501-509.	0.5	138
52	Prognostic factors in curatively resected pathological stage I lung adenocarcinoma. Journal of Thoracic Disease, 2017, 9, 5267-5277.	0.6	12
53	The combination of early treatment response and ypT stage is a novel metric to stage rectal cancer patients treated with neoadjuvant chemoradiotherapy. Oncotarget, 2017, 8, 37845-37854.	0.8	5
54	Evaluation of the 7th and 8th editions of the AJCC/UICC TNM staging systems for lung cancer in a large North American cohort. Oncotarget, 2017, 8, 66784-66795.	0.8	63

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55	Wait-and-see treatment strategies for rectal cancer patients with clinical complete response after neoadjuvant chemoradiotherapy: a systematic review and meta-analysis. Oncotarget, 2016, 7, 44857-44870.	0.8	45
56	A circulating non-coding RNA panel as an early detection predictor of non-small cell lung cancer. Life Sciences, 2016, 151, 235-242.	2.0	59
57	Scalable histopathological image analysis via supervised hashing with multiple features. Medical Image Analysis, 2016, 34, 3-12.	7.0	32
58	Treatment with ActRIIB-mFc Produces Myofiber Growth and Improves Lifespan in the Acta1 H40Y Murine Model of Nemaline Myopathy. American Journal of Pathology, 2016, 186, 1568-1581.	1.9	23
59	Body mass index and age are additional prognostic factors in patients with metastatic renal cell carcinoma treated with tyrosine kinase inhibitors. Urologic Oncology: Seminars and Original Investigations, 2016, 34, 258.e15-258.e22.	0.8	8
60	Aged Muscle Demonstrates Fiber-Type Adaptations in Response to Mechanical Overload, in the Absence of Myofiber Hypertrophy, Independent of Satellite Cell Abundance. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 461-467.	1.7	41
61	Spatial Clockwork Recurrent Neural Network for Muscle Perimysium Segmentation. Lecture Notes in Computer Science, 2016, 9901, 185-193.	1.0	34
62	Pancreas Segmentation in MRI Using Graph-Based Decision Fusion on Convolutional Neural Networks. Lecture Notes in Computer Science, 2016, 9901, 442-450.	1.0	57
63	Transfer Shape Modeling Towards High-Throughput Microscopy Image Segmentation. Lecture Notes in Computer Science, 2016, 9902, 183-190.	1.0	6
64	Responses to crizotinib in patients with *ALK*-positive lung adenocarcinoma who tested immunohistochemistry (IHC)-positive and fluorescence *in situ* hybridization (FISH)-negative. Oncotarget, 2016, 7, 64410-64420.	0.8	21
65	Detection of ALK translocation in non-small cell lung carcinoma (NSCLC) and its clinicopathological significance using the Ventana immunohistochemical staining method: a single-center large-scale investigation of 1,504 Chinese Han patient. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2016, 28, 495-502.	0.7	35
66	RECORD-4 phase 2 trial of second-line everolimus (EVE) in patients (pts) with metastatic renal cell carcinoma (mRCC): Final OS analysis.. Journal of Clinical Oncology, 2016, 34, 560-560.	0.8	0
67	High-throughput histopathological image analysis via robust cell segmentation and hashing. Medical Image Analysis, 2015, 26, 306-315.	7.0	78
68	Scalable analysis of Big pathology image data cohorts using efficient methods and high-performance computing strategies. BMC Bioinformatics, 2015, 16, 399.	1.2	12
69	Within-class penalty based multi-class support vector machine. , 2015, , .		0
70	Unsupervised shape prior modeling for cell segmentation in neuroendocrine tumor. , 2015, 2015, 1443-1446.		3
71	Evaluation of the optimal dosage of S-1 in adjuvant SOX chemotherapy for gastric cancer. Oncology Letters, 2015, 9, 1451-1457.	0.8	9
72	Nebulin deficiency in adult muscle causes sarcomere defects and muscle-type-dependent changes in trophicity: novel insights in nemaline myopathy. Human Molecular Genetics, 2015, 24, 5219-5233.	1.4	53

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73	Clinicopathological characteristics and treatment outcomes of Chinese patients with genitourinary embryonal rhabdomyosarcoma. World Journal of Surgical Oncology, 2015, 13, 190.	0.8	2
74	Fast Cell Segmentation Using Scalable Sparse Manifold Learning and Affine Transform-Approximated Active Contour. Lecture Notes in Computer Science, 2015, 9351, 332-339.	1.0	7
75	Automatic muscle perimysium annotation using deep convolutional neural network. , 2015, 2015, 205-208.		5
76	Beyond Classification: Structured Regression for Robust Cell Detection Using Convolutional Neural Network. Lecture Notes in Computer Science, 2015, 9351, 358-365.	1.0	124
77	Deep Voting: A Robust Approach Toward Nucleus Localization in Microscopy Images. Lecture Notes in Computer Science, 2015, 9351, 374-382.	1.0	42
78	Robust Cell Detection and Segmentation in Histopathological Images Using Sparse Reconstruction and Stacked Denoising Autoencoders. Lecture Notes in Computer Science, 2015, 9351, 383-390.	1.0	56
79	RECORD-4: A multicenter, phase II trial of second-line everolimus (EVE) in patients (pts) with metastatic renal cell carcinoma (mRCC).. Journal of Clinical Oncology, 2015, 33, 4518-4518.	0.8	5
80	Data Curation: Improving Environmental Health Data Quality. Studies in Health Technology and Informatics, 2015, 216, 1061.	0.2	0
81	Novel image markers for non-small cell lung cancer classification and survival prediction. BMC Bioinformatics, 2014, 15, 310.	1.2	47
82	Inhibition of farnesyl pyrophosphate synthase prevents norepinephrineâ€"induced fibrotic responses in vascular smooth muscle cells from spontaneously hypertensive rats. Hypertension Research, 2014, 37, 26-34.	1.5	14
83	Dose-finding study on adjuvant chemotherapy with S-1 plus oxaliplatin for gastric cancer. Molecular and Clinical Oncology, 2014, 2, 93-98.	0.4	6
84	Correlation analysis of peripheral blood T cell subgroups, immunoglobulin and prognosis of early hepatocellular carcinoma after hepatectomy. International Journal of Clinical and Experimental Medicine, 2014, 7, 4282-90.	1.3	7
85	Renal Carcinoma Cell-Derived Exosomes Induce Human Immortalized Line of Jurkat T Lymphocyte Apoptosis in vitro. Urologia Internationalis, 2013, 91, 363-369.	0.6	34
86	Peptidomimetic targeting of critical androgen receptorâ€"coregulator interactions in prostate cancer. Nature Communications, 2013, 4, 1923.	5.8	125
87	The association of XPG and MMS19L polymorphisms response to chemotherapy in osteosarcoma. Pakistan Journal of Medical Sciences, 2013, 29, 1225-9.	0.3	12
88	A phase II trial of oxaliplatin plus S-1 as a first-line chemotherapy for patients with advanced gastric cancer. Chinese Medical Journal, 2013, 126, 3470-4.	0.9	6
89	Central Role for PELP1 in Nonandrogenic Activation of the Androgen Receptor in Prostate Cancer. Molecular Endocrinology, 2012, 26, 550-561.	3.7	45
90	Randomized, single-centered, phase II clinical trial of nimotuzumab plus cisplatin and S-1 as first-line therapy in patients with advanced gastric cancer.. Journal of Clinical Oncology, 2012, 30, e14668-e14668.	0.8	5

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91	Automatic Image Analysis of Histopathology Specimens Using Concave Vertex Graph. Lecture Notes in Computer Science, 2008, 11, 833-841.	1.0	39
92	High Throughput Analysis of Breast Cancer Specimens on the Grid. , 2007, 10, 617-625.		25
93	Synchronous occurrence of carcinoid, signet-ring cell carcinoma and heterotopic pancreatic tissue in stomach: A case report and literature review. World Journal of Gastroenterology, 2006, 12, 7216.	1.4	12
94	Pathobiological behavior and molecular mechanism of signet ring cell carcinoma and mucinous adenocarcinoma of the stomach: A comparative study. World Journal of Gastroenterology, 2004, 10, 750.	1.4	46
95	PTEN encoding product: a marker for tumorigenesis and progression of gastric carcinoma. World Journal of Gastroenterology, 2003, 9, 35.	1.4	49