Chengdi Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

54 papers	2,430 citations	304743 22 h-index	223800 46 g-index
61 all docs	61 docs citations	61 times ranked	3749 citing authors

#	Article	IF	Citations
1	Clinically Applicable AI System for Accurate Diagnosis, Quantitative Measurements, and Prognosis of COVID-19 Pneumonia Using Computed Tomography. Cell, 2020, 181, 1423-1433.e11.	28.9	638
2	COVID-19 in early 2021: current status and looking forward. Signal Transduction and Targeted Therapy, 2021, 6, 114.	17.1	191
3	RNA-Seq profiling of circular RNA in human lung adenocarcinoma and squamous cell carcinoma. Molecular Cancer, 2019, 18, 134.	19.2	136
4	A deep-learning pipeline for the diagnosis and discrimination of viral, non-viral and COVID-19 pneumonia from chest X-ray images. Nature Biomedical Engineering, 2021, 5, 509-521.	22.5	106
5	Targeting tumor microenvironment in ovarian cancer: Premise and promise. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1873, 188361.	7.4	105
6	The association between vitamin D and COPD risk, severity, and exacerbation: an updated systematic review and meta-analysis. International Journal of COPD, 2016, Volume 11, 2597-2607.	2.3	95
7	Genomic monitoring of SARS-CoV-2 uncovers an Nsp1 deletion variant that modulates type I interferon response. Cell Host and Microbe, 2021, 29, 489-502.e8.	11.0	95
8	CircRNAs in lung cancer - Biogenesis, function and clinical implication. Cancer Letters, 2020, 492, 106-115.	7.2	85
9	MSCS-DeepLN: Evaluating lung nodule malignancy using multi-scale cost-sensitive neural networks. Medical Image Analysis, 2020, 65, 101772.	11.6	73
10	Diabetes mellitus and the risk of multidrug resistant tuberculosis: a meta-analysis. Scientific Reports, 2017, 7, 1090.	3.3	60
11	Deciphering cell lineage specification of human lung adenocarcinoma with single-cell RNA sequencing. Nature Communications, 2021, 12, 6500.	12.8	53
12	The landscape of immune checkpoint inhibitor plus chemotherapy versus immunotherapy for advanced nonâ€smallâ€cell lung cancer: A systematic review and metaâ€analysis. Journal of Cellular Physiology, 2020, 235, 4913-4927.	4.1	48
13	Clinicopathological variables influencing overall survival, recurrence and post-recurrence survival in resected stage I non-small-cell lung cancer. BMC Cancer, 2020, 20, 150.	2.6	47
14	Effect of sex on the efficacy of patients receiving immune checkpoint inhibitors in advanced nonâ€small cell lung cancer. Cancer Medicine, 2019, 8, 4023-4031.	2.8	44
15	Characterization of distinct circular RNA signatures in solid tumors. Molecular Cancer, 2022, 21, 63.	19.2	30
16	SSMD: Semi-Supervised medical image detection with adaptive consistency and heterogeneous perturbation. Medical Image Analysis, 2021, 72, 102117.	11.6	29
17	Treatment- and immune-related adverse events of immune checkpoint inhibitors in advanced lung cancer. Bioscience Reports, 2020, 40, .	2.4	29
18	Association between the plasminogen activator inhibitor-1 4G/5G polymorphism and risk of venous thromboembolism: A meta-analysis. Thrombosis Research, 2014, 134, 1241-1248.	1.7	28

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19	Development of Dual Inhibitors Targeting Epidermal Growth Factor Receptor in Cancer Therapy. Journal of Medicinal Chemistry, 2022, 65, 5149-5183.	6.4	28
20	Diagnostic accuracy of droplet digital PCR for detection of EGFR T790M mutation in circulating tumor DNA. Cancer Management and Research, 2018, Volume 10, 1209-1218.	1.9	26
21	The application of artificial intelligence and radiomics in lung cancer. Precision Clinical Medicine, 2020, 3, 214-227.	3.3	25
22	Integrated single-cell RNA sequencing analysis reveals distinct cellular and transcriptional modules associated with survival in lung cancer. Signal Transduction and Targeted Therapy, 2022, 7, 9.	17.1	23
23	Deep learning for predicting subtype classification and survival of lung adenocarcinoma on computed tomography. Translational Oncology, 2021, 14, 101141.	3.7	21
24	Deep Learning to Predict EGFR Mutation and PD-L1 Expression Status in Non-Small-Cell Lung Cancer on Computed Tomography Images. Journal of Oncology, 2021, 2021, 1-11.	1.3	20
25	Artificial intelligence-assisted decision making for prognosis and drug efficacy prediction in lung cancer patients: a narrative review. Journal of Thoracic Disease, 2021, 13, 7021-7033.	1.4	19
26	Whole-body vibration training – better care for COPD patients: a systematic review and meta-analysis. International Journal of COPD, 2018, Volume 13, 3243-3254.	2.3	18
27	DeepLNAnno: a Web-Based Lung Nodules Annotating System for CT Images. Journal of Medical Systems, 2019, 43, 197.	3.6	18
28	Non-Invasive Measurement Using Deep Learning Algorithm Based on Multi-Source Features Fusion to Predict PD-L1 Expression and Survival in NSCLC. Frontiers in Immunology, 2022, 13, 828560.	4.8	18
29	The epidemiology and therapeutic options for the COVID-19. Precision Clinical Medicine, 2020, 3, 71-84.	3.3	17
30	Predicting EGFR and PD-L1 Status in NSCLC Patients Using Multitask AI System Based on CT Images. Frontiers in Immunology, 2022, 13, 813072.	4.8	16
31	Structure of 4â€²-demethylepipodophyllotoxin in complex with tubulin provides a rationale for drug design. Biochemical and Biophysical Research Communications, 2017, 493, 718-722.	2.1	13
32	Distinct clinicopathologic factors and prognosis based on the presence of ground-glass opacity components in patients with resected stage I non-small cell lung cancer. Annals of Translational Medicine, 2020, 8, 1133-1133.	1.7	13
33	Mesohepatectomy Versus Extended Hemihepatectomies for Centrally Located Liver Tumors: A Meta-Analysis. Scientific Reports, 2017, 7, 9329.	3.3	12
34	Molecular mechanism of crolibulin in complex with tubulin provides a rationale for drug design. Biochemical and Biophysical Research Communications, 2019, 511, 381-386.	2.1	12
35	The landscape of immune checkpoint inhibitor therapy in advanced lung cancer. BMC Cancer, 2021, 21, 968.	2.6	12
36	Chest tube drainage versus needle aspiration for primary spontaneous pneumothorax: which is better?. Journal of Thoracic Disease, 2017, 9, 4027-4038.	1.4	11

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37	A comprehensive algorithm to distinguish between MPLC and IPM in multiple lung tumors patients. Annals of Translational Medicine, 2020, 8, 1137-1137.	1.7	9
38	CircRNAs in lung cancer- role and clinical application. Cancer Letters, 2022, 544, 215810.	7.2	9
39	Genetic variantPLCE1rs2274223 and gastric cancer: more to be explored?. Gut, 2016, 65, 359-360.	12.1	8
40	Potential Diagnostic and Prognostic Biomarkers of Circular RNAs for Lung Cancer in China. BioMed Research International, 2019, 2019, 1-17.	1.9	8
41	Performance of interferon-Î³release assay in the diagnosis of tuberculous lymphadenitis: a meta-analysis. PeerJ, 2017, 5, e3136.	2.0	8
42	There is no relationship between SOD2 Val-16Ala polymorphism and breast cancer risk or survival. Molecular and Clinical Oncology, 2017, 7, 579-590.	1.0	7
43	Unraveling the molecular mechanism of BNC105, a phase II clinical trial vascular disrupting agent, provides insights into drug design. Biochemical and Biophysical Research Communications, 2020, 525, 148-154.	2.1	7
44	Prognostic performance of the FACED score and bronchiectasis severity index in bronchiectasis: a systematic review and meta-analysis. Bioscience Reports, 2020, 40, .	2.4	7
45	Structure of a benzylidene derivative of 9(10H)-anthracenone in complex with tubulin provides a rationale for drug design. Biochemical and Biophysical Research Communications, 2018, 495, 185-188.	2.1	5
46	RPLS-Net: pulmonary lobe segmentation based on 3D fully convolutional networks and multi-task learning. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 895-904.	2.8	5
47	Preparation and characterization of a high-affinity monoclonal antibody against human epididymis protein-4. Protein Expression and Purification, 2018, 141, 44-51.	1.3	4
48	DeepLN: A Multi-Task AI Tool to Predict the Imaging Characteristics, Malignancy and Pathological Subtypes in CT-Detected Pulmonary Nodules. Frontiers in Oncology, 2022, 12, .	2.8	4
49	Association between glutathione peroxidase-1 (GPX1) Rs1050450 polymorphisms and cancer risk. International Journal of Clinical and Experimental Pathology, 2017, 10, 9527-9540.	0.5	3
50	The number of brain metastases predicts the survival of nonâ€small cell lung cancer patients with EGFR mutation status. Cancer Reports, 2021, , e1550.	1.4	3
51	Association between the cytotoxic T-lymphocyte antigen 4-318C/T polymorphism and malignant tumor risk. Biomedical Reports, 2016, 5, 93-100.	2.0	2
52	DeepLN: an artificial intelligence-based automated system for lung cancer screening. Annals of Translational Medicine, 2020, 8, 1126.	1.7	2
53	Clinical and molecular characteristics associated with survival among cancer patients receiving first-line anti-PD-1/PD-L1-based therapies. Biomarkers, 2020, 25, 441-448.	1.9	1
54	A Deep Learning Based Method for Structuring the Chinese Pathological Reports of Lung Specimen. , 2021, , .		0