

Xiangdong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

126
papers

5,840
citations

94433

37
h-index

91884

69
g-index

132
all docs

132
docs citations

132
times ranked

8593
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Epidemiology of Lung Cancer. <i>Annals of Global Health</i> , 2019, 85, .	2.0	856
2	Single-cell landscape of the ecosystem in early-relapse hepatocellular carcinoma. <i>Cell</i> , 2021, 184, 404-421.e16.	28.9	399
3	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. <i>Journal of Lipid Research</i> , 2018, 59, 2001-2017.	4.2	231
4	Epidemiology of lung cancer and lung cancer screening programs in China and the United States. <i>Cancer Letters</i> , 2020, 468, 82-87.	7.2	196
5	The Asthma Mobile Health Study, a large-scale clinical observational study using ResearchKit. <i>Nature Biotechnology</i> , 2017, 35, 354-362.	17.5	185
6	Components Necessary for High-Quality Lung Cancer Screening. <i>Chest</i> , 2015, 147, 295-303.	0.8	179
7	Lung inflammation promotes metastasis through neutrophil protease-mediated degradation of Tsp-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 16000-16005.	7.1	168
8	Targeting DGAT1 Ameliorates Glioblastoma by Increasing Fat Catabolism and Oxidative Stress. <i>Cell Metabolism</i> , 2020, 32, 229-242.e8.	16.2	160
9	Heterogeneous immunogenomic features and distinct escape mechanisms in multifocal hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2020, 72, 896-908.	3.7	124
10	COVID-19 critical illness pathophysiology driven by diffuse pulmonary thrombi and pulmonary endothelial dysfunction responsive to thrombolysis. <i>Clinical and Translational Medicine</i> , 2020, 10, e44.	4.0	105
11	Limited Resection Versus Lobectomy for Older Patients With Early-Stage Lung Cancer: Impact of Histology. <i>Journal of Clinical Oncology</i> , 2015, 33, 3447-3453.	1.6	103
12	Tutorial on lipidomics. <i>Analytica Chimica Acta</i> , 2019, 1061, 28-41.	5.4	97
13	Dissecting spatial heterogeneity and the immune-evasion mechanism of CTCs by single-cell RNA-seq in hepatocellular carcinoma. <i>Nature Communications</i> , 2021, 12, 4091.	12.8	90
14	Acute lung injury in patients with COVID-19 infection. <i>Clinical and Translational Medicine</i> , 2020, 10, 20-27.	4.0	88
15	Hepatocyte-Macrophage Acetoacetate Shuttle Protects against Tissue Fibrosis. <i>Cell Metabolism</i> , 2019, 29, 383-398.e7.	16.2	87
16	Cell-cell communication: old mystery and new opportunity. <i>Cell Biology and Toxicology</i> , 2019, 35, 89-93.	5.3	83
17	Integrative Analysis of DNA Methylation and Gene Expression Data Identifies EPAS1 as a Key Regulator of COPD. <i>PLoS Genetics</i> , 2015, 11, e1004898.	3.5	82
18	Circumventing intratumoral heterogeneity to identify potential therapeutic targets in hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2017, 67, 293-301.	3.7	79

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19	Pulmonary Vascular Dilatation Detected by Automated Transcranial Doppler in COVID-19 Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1037-1039.	5.6	79
20	Disease-specific dynamic biomarkers selected by integrating inflammatory mediators with clinical informatics in ARDS patients with severe pneumonia. <i>Cell Biology and Toxicology</i> , 2016, 32, 169-184.	5.3	75
21	Molecular Biology of Lung Cancer. <i>Chest</i> , 2013, 143, e30S-e39S.	0.8	65
22	The mitochondria-targeted peptide SS-31 binds lipid bilayers and modulates surface electrostatics as a key component of its mechanism of action. <i>Journal of Biological Chemistry</i> , 2020, 295, 7452-7469.	3.4	65
23	Integrin alpha 11 in the regulation of the myofibroblast phenotype: implications for fibrotic diseases. <i>Experimental and Molecular Medicine</i> , 2017, 49, e396-e396.	7.7	61
24	The foundations and development of lipidomics. <i>Journal of Lipid Research</i> , 2022, 63, 100164.	4.2	61
25	Clinical and translational values of spatial transcriptomics. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 111.	17.1	61
26	Multidisciplinary clinical guidance on trastuzumab deruxtecan (T-DXd)â€“related interstitial lung disease/pneumonitisâ€”Focus on proactive monitoring, diagnosis, and management. <i>Cancer Treatment Reviews</i> , 2022, 106, 102378.	7.7	60
27	Lung Cancer Heterogeneity and New Strategies for Drug Therapy. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 531-546.	9.4	55
28	Selection of AECOPD-specific immunomodulatory biomarkers by integrating genomics and proteomics with clinical informatics. <i>Cell Biology and Toxicology</i> , 2018, 34, 109-123.	5.3	53
29	Isotope Tracing Untargeted Metabolomics Reveals Macrophage Polarization-State-Specific Metabolic Coordination across Intracellular Compartments. <i>IScience</i> , 2018, 9, 298-313.	4.1	53
30	Spatial omics: Navigating to the golden era of cancer research. <i>Clinical and Translational Medicine</i> , 2022, 12, e696.	4.0	53
31	Clinical lipidomics: a new way to diagnose human diseases. <i>Clinical and Translational Medicine</i> , 2018, 7, 12.	4.0	52
32	Clinical trans-omics: an integration of clinical phenomes with molecular multiomics. <i>Cell Biology and Toxicology</i> , 2018, 34, 163-166.	5.3	51
33	Clinical lipidomics in understanding of lung cancer: Opportunity and challenge. <i>Cancer Letters</i> , 2020, 470, 75-83.	7.2	51
34	Selection of diseaseâ€“specific biomarkers by integrating inflammatory mediators with clinical informatics in AECOPD patients: a preliminary study. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1286-1297.	3.6	47
35	Dynamic phenotypes: illustrating a single-cell odyssey. <i>Cell Biology and Toxicology</i> , 2017, 33, 423-427.	5.3	47
36	Restoring Pulmonary and Sleep Services as the COVID-19 Pandemic Lessens. From an Association of Pulmonary, Critical Care, and Sleep Division Directors and American Thoracic Societyâ€“coordinated Task Force. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1343-1351.	3.2	47

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37	Potentials of single-cell biology in identification and validation of disease biomarkers. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1789-1795.	3.6	40
38	Prototypical oncogene family Myc defines unappreciated distinct lineage states of small cell lung cancer. <i>Science Advances</i> , 2021, 7, .	10.3	40
39	New biomarkers and therapeutics can be discovered during COPD-lung cancer transition. <i>Cell Biology and Toxicology</i> , 2016, 32, 359-361.	5.3	39
40	Impact of an electronic sepsis initiative on antibiotic use and health care facility-onset <i>Clostridium difficile</i> infection rates. <i>American Journal of Infection Control</i> , 2017, 45, 1091-1100.	2.3	39
41	Heterogeneity of lipidomic profiles among lung cancer subtypes of patients. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5155-5159.	3.6	39
42	Proteomics-Based Biomarkers in Chronic Obstructive Pulmonary Disease. <i>Journal of Proteome Research</i> , 2010, 9, 2798-2808.	3.7	38
43	Probability of cancer in high-risk patients predicted by the protein-based lung cancer biomarker panel in China: LCBP study. <i>Cancer</i> , 2018, 124, 262-270.	4.1	37
44	Update in Lung Cancer 2014. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 283-294.	5.6	36
45	Summary of the Japanese Respiratory Society statement for the treatment of lung cancer with comorbid interstitial pneumonia. <i>Respiratory Investigation</i> , 2019, 57, 512-533.	1.8	36
46	MODMatcher: Multi-Omics Data Matcher for Integrative Genomic Analysis. <i>PLoS Computational Biology</i> , 2014, 10, e1003790.	3.2	35
47	New future of cell biology and toxicology: thinking deeper. <i>Cell Biology and Toxicology</i> , 2016, 32, 1-3.	5.3	32
48	Genomic Underpinnings of Tumor Behavior in <i>In Situ</i> and Early Lung Adenocarcinoma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 697-706.	5.6	32
49	Role of endothelial cells in tumor microenvironment. <i>Clinical and Translational Medicine</i> , 2021, 11, e450.	4.0	32
50	Baseline and annual repeat rounds of screening: implications for optimal regimens of screening. <i>European Radiology</i> , 2018, 28, 1085-1094.	4.5	31
51	Is the clinical lipidomics a potential goldmine?. <i>Cell Biology and Toxicology</i> , 2018, 34, 421-423.	5.3	31
52	Molecular mechanisms, off-target activities, and clinical potentials of genome editing systems. <i>Clinical and Translational Medicine</i> , 2020, 10, 412-426.	4.0	31
53	Dynamic gene expressions of peripheral blood mononuclear cells in patients with acute exacerbation of chronic obstructive pulmonary disease: a preliminary study. <i>Critical Care</i> , 2014, 18, 508.	5.8	30
54	Sensitive analysis of fatty acid esters of hydroxy fatty acids in biological lipid extracts by shotgun lipidomics after one-step derivatization. <i>Analytica Chimica Acta</i> , 2020, 1105, 105-111.	5.4	30

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55	Update in Lung Cancer and Mesothelioma 2012. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 157-166.	5.6	29
56	Interferon gamma induces inflammatory responses through the interaction of CEACAM1 and PI3K in airway epithelial cells. Journal of Translational Medicine, 2019, 17, 147.	4.4	27
57	How to translate the knowledge of COVID-19 into the prevention of Omicron variants. Clinical and Translational Medicine, 2021, 11, e680.	4.0	26
58	Cardiolipin deficiency elevates susceptibility to a lipotoxic hypertrophic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2020, 144, 24-34.	1.9	25
59	Ageing Suppresses Sphingosine-1-Phosphate Chaperone ApoM in Circulation Resulting in Maladaptive Organ Repair. Developmental Cell, 2020, 53, 677-690.e4.	7.0	25
60	Lung Cancer Diagnosis by Fine Needle Aspiration Is Associated With Reduction in Resection of Nonmalignant Lung Nodules. Annals of Thoracic Surgery, 2017, 103, 1795-1801.	1.3	24
61	Epigenomic Profiling Discovers Trans-lineage SOX2 Partnerships Driving Tumor Heterogeneity in Lung Squamous Cell Carcinoma. Cancer Research, 2019, 79, 6084-6100.	0.9	24
62	Systems heterogeneity: An integrative way to understand cancer heterogeneity. Seminars in Cell and Developmental Biology, 2017, 64, 1-4.	5.0	22
63	Significance of clinical phenomes of patients with COVID-19 infection: A learning from 3795 patients in 80 reports. Clinical and Translational Medicine, 2020, 10, 28-35.	4.0	22
64	Spatiotemporal molecular medicine: A new era of clinical and translational medicine. Clinical and Translational Medicine, 2021, 11, e294.	4.0	22
65	A global view of regulatory networks in lung cancer: An approach to understand homogeneity and heterogeneity. Seminars in Cancer Biology, 2017, 42, 31-38.	9.6	21
66	Roles of TGF β 1 in the expression of phosphoinositide 3-kinase isoform genes and sensitivity and response of lung telocytes to PI3K inhibitors. Cell Biology and Toxicology, 2020, 36, 51-64.	5.3	21
67	An artificial intelligent single cell is part of the cell dream world. Cell Biology and Toxicology, 2018, 34, 247-249.	5.3	19
68	A new light of proteomics in cell biology and toxicology. Cell Biology and Toxicology, 2019, 35, 289-291.	5.3	19
69	Values of integration between lipidomics and clinical phenomes in patients with acute lung infection, pulmonary embolism, or acute exacerbation of chronic pulmonary diseases: a preliminary study. Journal of Translational Medicine, 2019, 17, 162.	4.4	19
70	Multidisciplinary therapy strategy of precision medicine in clinical practice. Clinical and Translational Medicine, 2020, 10, 116-124.	4.0	19
71	Spatiotemporal molecular imaging is a critical part of spatiotemporal molecular medicine. Clinical and Translational Medicine, 2021, 11, e347.	4.0	19
72	A cellular census of human peripheral immune cells identifies novel cell states in lung diseases. Clinical and Translational Medicine, 2021, 11, e579.	4.0	19

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73	Regulatory roles of external cholesterol in human airway epithelial mitochondrial function through STARD3 signalling. <i>Clinical and Translational Medicine</i> , 2022, 12, .	4.0	19
74	Myocyte enhancer factor 2D provides a cross-talk between chronic inflammation and lung cancer. <i>Journal of Translational Medicine</i> , 2017, 15, 65.	4.4	18
75	Addressing Gender Inequality in Our Disciplines: Report from the Association of Pulmonary, Critical Care, and Sleep Division Chiefs. <i>Annals of the American Thoracic Society</i> , 2018, 15, 1382-1390.	3.2	18
76	Regulatory roles of HSPA6 in <i>Actinidia chinensis</i> Planch. root extract (acRoots) inhibited lung cancer proliferation. <i>Clinical and Translational Medicine</i> , 2020, 10, e46.	4.0	18
77	Potential biomarkers and targets of mitochondrial dynamics. <i>Clinical and Translational Medicine</i> , 2021, 11, e529.	4.0	18
78	An RNAi therapeutic targeting hepatic DGAT2 in a genetically obese mouse model of nonalcoholic steatohepatitis. <i>Molecular Therapy</i> , 2022, 30, 1329-1342.	8.2	18
79	Roles of acyl-CoA synthetase long-chain family member 5 and colony stimulating factor 2 in inhibition of palmitic or stearic acids in lung cancer cell proliferation and metabolism. <i>Cell Biology and Toxicology</i> , 2021, 37, 15-34.	5.3	17
80	Transomic profiling between clinical phenoms and lipidomes among patients with different subtypes of lung cancer. <i>Clinical and Translational Medicine</i> , 2020, 10, e151.	4.0	16
81	Lipidomics reveals a systemic energy deficient state that precedes neurotoxicity in neonatal monkeys after sevoflurane exposure. <i>Analytica Chimica Acta</i> , 2018, 1037, 87-96.	5.4	16
82	Integrative network analysis of early-stage lung adenocarcinoma identifies aurora kinase inhibition as interceptor of invasion and progression. <i>Nature Communications</i> , 2022, 13, 1592.	12.8	16
83	Roles of TP53 gene in the development of resistance to PI3K inhibitor resistances in CRISPR-Cas9-edited lung adenocarcinoma cells. <i>Cell Biology and Toxicology</i> , 2020, 36, 481-492.	5.3	15
84	Targeting the Complement Cascade in the Pathophysiology of COVID-19 Disease. <i>Journal of Clinical Medicine</i> , 2021, 10, 2188.	2.4	15
85	Pulmonary Infiltrates in a Patient With Advanced Melanoma. <i>Journal of Clinical Oncology</i> , 2017, 35, 705-708.	1.6	14
86	Update in Lung Cancer 2015. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 661-671.	5.6	13
87	Tomorrow's genome medicine in lung cancer. <i>Seminars in Cancer Biology</i> , 2017, 42, 39-43.	9.6	13
88	Clinical challenges of tissue preparation for spatial transcriptome. <i>Clinical and Translational Medicine</i> , 2022, 12, e669.	4.0	13
89	Significance of single-cell and spatial transcriptomes in cell biology and toxicology. <i>Cell Biology and Toxicology</i> , 2021, 37, 1-5.	5.3	12
90	New focuses on roles of communications between endoplasmic reticulum and mitochondria in identification of biomarkers and targets. <i>Clinical and Translational Medicine</i> , 2021, 11, e626.	4.0	12

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91	Single-cell atlas of peripheral blood mononuclear cells from pregnant women. <i>Clinical and Translational Medicine</i> , 2022, 12, e821.	4.0	12
92	Abstract CT167: Pooled analysis of drug-related interstitial lung disease (ILD) in 8 single-arm trastuzumab deruxtecan (T-DXd) studies. <i>Cancer Research</i> , 2021, 81, CT167-CT167.	0.9	11
93	Can single cell RNA sequencing reshape the clinical biochemistry of hematology: New clusters of circulating blood cells. <i>Clinical and Translational Medicine</i> , 2021, 11, e671.	4.0	11
94	Single-cell biomedicine: roles of single-cell nuclear elements. <i>Cell Biology and Toxicology</i> , 2020, 36, 1-3.	5.3	10
95	How to breakthrough mitochondrial DNA methylation-associated networks. <i>Cell Biology and Toxicology</i> , 2020, 36, 195-198.	5.3	9
96	Cardiovascular Disease and Severe Hypoxemia Are Associated With Higher Rates of Noninvasive Respiratory Support Failure in Coronavirus Disease 2019 Pneumonia. , 2021, 3, e0355.		9
97	Early-Stage Lung Adenocarcinoma MDM2 Genomic Amplification Predicts Clinical Outcome and Response to Targeted Therapy. <i>Cancers</i> , 2022, 14, 708.	3.7	8
98	Specificity of ABCA7-mediated cell lipid efflux. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, , 159157.	2.4	8
99	COUNTERPOINT: Should Only Primary Care Physicians Provide Shared Decision-making Services to Discuss the Risks/Benefits of a Low-Dose Chest CT Scan for Lung Cancer Screening? No. <i>Chest</i> , 2017, 151, 1215-1217.	0.8	7
100	Platinum-doublet chemotherapy as second-line treatment for relapsed patients with small-cell lung cancer: A systematic review and meta-analysis. <i>Lung Cancer</i> , 2021, 156, 59-67.	2.0	7
101	Forward single-cell sequencing into clinical application: Understanding of cancer microenvironment at single-cell solution. <i>Clinical and Translational Medicine</i> , 2022, 12, e782.	4.0	7
102	Where are we with proton beam therapy for thoracic malignancies? Current status and future perspectives. <i>Lung Cancer</i> , 2021, 152, 157-164.	2.0	6
103	Vascular Notch Signaling in Stress Hematopoiesis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 606448.	3.7	5
104	Altered lipidomic profiles in patients with and without osteonecrosis of the femoral head after 1-month glucocorticoid treatment. <i>Clinical and Translational Medicine</i> , 2021, 11, e298.	4.0	5
105	Key genes associated with prognosis and metastasis of clear cell renal cell carcinoma. <i>PeerJ</i> , 2022, 10, e12493.	2.0	5
106	How to translate the knowledge of COVID-19 into prevention of Omicron variants. <i>Clinical and Translational Discovery</i> , 2021, 1, .	0.5	5
107	Therapeutic targets during mitochondrial lipid metabolism. <i>Cell Biology and Toxicology</i> , 2020, 36, 205-208.	5.3	4
108	Variations of human heat shock proteins in multiple cancers. <i>Clinical and Translational Medicine</i> , 2021, 11, e320.	4.0	4

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109	Transcriptional Circuitry of NKX2-1 and SOX1 Defines an Unrecognized Lineage Subtype of Small-Cell Lung Cancer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 1480-1494.	5.6	4
110	Analysis of monohexosyl alkyl (alkenyl)-acyl glycerol in brain samples by shotgun lipidomics. <i>Analytica Chimica Acta</i> , 2020, 1129, 143-149.	5.4	3
111	Integrative Analysis of Genome, 3D Genome, and Transcriptome Alterations of Clinical Lung Cancer Samples. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 741-753.	6.9	3
112	Clinical significance of spatiotemporal transcriptional bursting and control. <i>Clinical and Translational Medicine</i> , 2021, 11, e518.	4.0	3
113	New strategies of clinical precision medicine. <i>Clinical and Translational Medicine</i> , 2022, 12, e135.	4.0	3
114	Discovery in clinical and translational medicine. <i>Clinical and Translational Medicine</i> , 2021, 11, e568.	4.0	2
115	Ferroptosis-associated cholesterol metabolism regulated by p81± in human bronchial epithelial cells with smoking. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.5	2
116	Forward single-cell sequencing into clinical application: Understanding of ageing and rejuvenation from clinical observation to single-cell solution. <i>Clinical and Translational Medicine</i> , 2022, 12, e827.	4.0	2
117	Rebuttal From Dr Powell. <i>Chest</i> , 2017, 151, 1218-1219.	0.8	1
118	A Cross-sectional Study of Hospital Performance on ICU Utilization Practices for Patients with Chronic Obstructive Pulmonary Disease. <i>Lung</i> , 2020, 198, 637-644.	3.3	1
119	Lipids and genes: Regulatory roles of lipids in RNA expression. <i>Clinical and Translational Medicine</i> , 2022, 12, e863.	4.0	1
120	Bronchus-blocked ultrasound-guided percutaneous transthoracic needle biopsy (BUS-PTNB) for intubated patients with severe lung diseases. <i>Critical Care</i> , 2021, 25, 359.	5.8	0
121	Discovery in clinical and translational medicine. <i>Clinical and Translational Discovery</i> , 2021, 1, e6.	0.5	0
122	Can single-cell RNA sequencing reshape the clinical biochemistry of haematology? New clusters of circulating blood cells. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.5	0
123	Regulation of Epstein-Barr virus-induced molecule 2 in immune responses. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.5	0
124	Forward single-cell sequencing into clinical application: Understanding of cancer microenvironment at single-cell solution. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.5	0
125	Forward single-cell sequencing into clinical application: Understanding of ageing and rejuvenation from clinical observation to single-cell solution. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.5	0
126	Lipids and Genes: Regulatory roles of lipids in RNA expression. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.5	0