Charles A Powell

List of Publications by Year
in descending order

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117 papers	16,986 citations	41258 49 h-index	26548 107 g-index
123 all docs	123 docs citations	123 times ranked	18765 citing authors

#	Article	IF	Citations
1	International Association for the Study of Lung Cancer/American Thoracic Society/European Respiratory Society International Multidisciplinary Classification of Lung Adenocarcinoma. Journal of Thoracic Oncology, 2011, 6, 244-285.	0.5	4,127
2	The 2015 World Health Organization Classification of Lung Tumors. Journal of Thoracic Oncology, 2015, 10, 1243-1260.	0.5	3,313
3	Guidelines for Management of Incidental Pulmonary Nodules Detected on CT Images: From the Fleischner Society 2017. Radiology, 2017, 284, 228-243.	3.6	1,587
4	Global Epidemiology of Lung Cancer. Annals of Global Health, 2019, 85, .	0.8	856
5	The IASLC Lung Cancer Staging Project: Proposals for Coding T Categories for Subsolid Nodules and Assessment of Tumor Size in Part-Solid Tumors in the Forthcoming Eighth Edition of the TNM Classification of Lung Cancer. Journal of Thoracic Oncology, 2016, 11, 1204-1223.	0.5	530
6	International Association for the Study of Lung Cancer/American Thoracic Society/European Respiratory Society: International Multidisciplinary Classification of Lung Adenocarcinoma: Executive Summary. Proceedings of the American Thoracic Society, 2011, 8, 381-385.	3.5	451
7	Gene Expression in Wilmsâ€™ Tumor Mimics the Earliest Committed Stage in the Metanephric Mesenchymal-Epithelial Transition. American Journal of Pathology, 2002, 160, 2181-2190.	1.9	213
8	The Nonâ€“Small Cell Lung Cancer Immune Contexture. A Major Determinant of Tumor Characteristics and Patient Outcome. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 377-390.	2.5	204
9	Non-Small-Cell Lung Cancer Molecular Signatures Recapitulate Lung Developmental Pathways. American Journal of Pathology, 2003, 163, 1949-1960.	1.9	203
10	An Official American Thoracic Society/American College of Chest Physicians Policy Statement: Implementation of Low-Dose Computed Tomography Lung Cancer Screening Programs in Clinical Practice. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 881-891.	2.5	199
11	Epidemiology of lung cancer and lung cancer screening programs in China and the United States. Cancer Letters, 2020, 468, 82-87.	3.2	196
12	Clinical Predictors of Metastatic Disease to the Brain from Nonâ€“Small Cell Lung Carcinoma: Primary Tumor Size, Cell Type, and Lymph Node Metastases. Radiology, 2007, 242, 882-888.	3.6	191
13	The Asthma Mobile Health Study, a large-scale clinical observational study using ResearchKit. Nature Biotechnology, 2017, 35, 354-362.	9.4	185
14	The IASLC Lung Cancer Staging Project: Summary of Proposals for Revisions of the Classification of Lung Cancers with Multiple Pulmonary Sites of Involvement in the Forthcoming Eighth Edition of the TNM Classification. Journal of Thoracic Oncology, 2016, 11, 639-650.	0.5	182
15	Components Necessary for High-Quality Lung Cancer Screening. Chest, 2015, 147, 295-303.	0.4	179
16	Invasive Size is an Independent Predictor of Survival in Pulmonary Adenocarcinoma. American Journal of Surgical Pathology, 2009, 33, 462-469.	2.1	178
17	Pathologic Diagnosis of Advanced Lung Cancer Based on Small Biopsies and Cytology: A Paradigm Shift. Journal of Thoracic Oncology, 2010, 5, 411-414.	0.5	172
18	The IASLC Lung Cancer Staging Project: Background Data and Proposals for the Application of TNM Staging Rules to Lung Cancer Presenting as Multiple Nodules with Ground Glass or Lepidic Features or a Pneumonic Type of Involvement in the Forthcoming Eighth Edition of the TNM Classification. Journal of Thoracic Oncology, 2016, 11, 666-680.	0.5	170

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19	Expression of the cytoskeleton linker protein ezrin in human cancers. Clinical and Experimental Metastasis, 2007, 24, 69-78.	1.7	118
20	Gene Expression in Lung Adenocarcinomas of Smokers and Nonsmokers. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 157-162.	1.4	112
21	Do all lung adenocarcinomas follow a stepwise progression?. Lung Cancer, 2011, 74, 7-11.	0.9	110
22	Molecular Signatures in Biopsy Specimens of Lung Cancer. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 167-174.	2.5	105
23	COVIDâ€19 critical illness pathophysiology driven by diffuse pulmonary thrombi and pulmonary endothelial dysfunction responsive to thrombolysis. Clinical and Translational Medicine, 2020, 10, e44.	1.7	105
24	Computer-aided diagnosis of pulmonary nodules using a two-step approach for feature selection and classifier ensemble construction. Artificial Intelligence in Medicine, 2010, 50, 43-53.	3.8	104
25	Limited Resection Versus Lobectomy for Older Patients With Early-Stage Lung Cancer: Impact of Histology. Journal of Clinical Oncology, 2015, 33, 3447-3453.	0.8	103
26	The Heparan Sulfate ProteoglycanGPC3Is a Potential Lung Tumor Suppressor. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 694-701.	1.4	97
27	Expert consensus on the metaverse in medicine. Clinical EHealth, 2022, 5, 1-9.	4.1	96
28	Evaluating Molecular Biomarkers for the Early Detection of Lung Cancer: When Is a Biomarker Ready for Clinical Use? An Official American Thoracic Society Policy Statement. American Journal of Respiratory and Critical Care Medicine, 2017, 196, e15-e29.	2.5	95
29	Genome-Wide Study of Percent Emphysema on Computed Tomography in the General Population. The Multi-Ethnic Study of Atherosclerosis Lung/SNP Health Association Resource Study. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 408-418.	2.5	87
30	Integrative Analysis of DNA Methylation and Gene Expression Data Identifies EPAS1 as a Key Regulator of COPD. PLoS Genetics, 2015, 11, e1004898.	1.5	82
31	PARP inhibition selectively increases sensitivity to cisplatin in ERCC1-low non-small cell lung cancer cells. Carcinogenesis, 2013, 34, 739-749.	1.3	81
32	Pulmonary Vascular Dilatation Detected by Automated Transcranial Doppler in COVID-19 Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1037-1039.	2.5	79
33	Expression of syndecan-1 and expression of epidermal growth factor receptor are associated with survival in patients with nonsmall cell lung carcinoma. Cancer, 2004, 101, 1632-1638.	2.0	78
34	Lung Adenocarcinoma Global Profiling Identifies Type II Transforming Growth Factor-Î² Receptor as a Repressor of Invasiveness. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 729-737.	2.5	77
35	Cultural Factors Associated with Racial Disparities in Lung Cancer Care. Annals of the American Thoracic Society, 2014, 11, 489-495.	1.5	75
36	STRUCTURAL EMPHYSEMA DOES NOT CORRELATE WITH LUNG COMPLIANCE: LESSONS FROM THE MOUSE SMOKING MODEL. Experimental Lung Research, 2005, 31, 547-562.	0.5	71

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37	CDX2 Immunostaining as a Gastrointestinal Marker. Applied Immunohistochemistry and Molecular Morphology, 2005, 13, 55-60.	0.6	69
38	Acquisition and Processing of Endobronchial Ultrasound-guided Transbronchial Needle Aspiration Specimens in the Era of Targeted Lung Cancer Chemotherapy. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 606-611.	2.5	69
39	Lysyl oxidase: A lung adenocarcinoma biomarker of invasion and survival. Cancer, 2011, 117, 2186-2191.	2.0	67
40	Patients rate physician communication about lung cancer. Cancer, 2011, 117, 5212-5220.	2.0	67
41	Effectiveness of Radiation Therapy for Elderly Patients with Unresected Stage I and II Nonâ€“Small Cell Lung Cancer. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 264-269.	2.5	66
42	Molecular Biology of Lung Cancer. Chest, 2013, 143, e30S-e39S.	0.4	65
43	Interstitial Lung Abnormalities and LungÂCancer Risk in the National LungÂScreening Trial. Chest, 2019, 156, 1195-1203.	0.4	61
44	A 10-Gene Classifier for Distinguishing Head and Neck Squamous Cell Carcinoma and Lung Squamous Cell Carcinoma. Clinical Cancer Research, 2007, 13, 2905-2915.	3.2	60
45	P16 Loss and Mitotic Activity Predict Poor Survival in Patients with Peritoneal Malignant Mesothelioma. Clinical Cancer Research, 2005, 11, 3303-3308.	3.2	59
46	Lung adenocarcinoma invasion in TGFÎ²RII-deficient cells is mediated by CCL5/RANTES. Oncogene, 2008, 27, 557-564.	2.6	56
47	TGF-Â² Signaling Pathway in Lung Adenocarcinoma Invasion. Journal of Thoracic Oncology, 2010, 5, 153-157.	0.5	55
48	An Official American Thoracic Society/European Respiratory Society Statement: The Role of the Pulmonologist in the Diagnosis and Management of Lung Cancer. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 503-507.	2.5	54
49	Racial and Ethnic Differences in Beliefs About Lung Cancer Care. Chest, 2012, 142, 1251-1258.	0.4	53
50	Chest CT Diagnosis and Clinical Management of Drug-related Pneumonitis in Patients Receiving Molecular Targeting Agents and Immune Checkpoint Inhibitors: A Position Paper from the Fleischner Society. Radiology, 2021, 298, 550-566.	3.6	53
51	Chest CT Diagnosis and Clinical Management of Drug-Related Pneumonitis in Patients Receiving Molecular Targeting Agents and Immune Checkpoint Inhibitors. Chest, 2021, 159, 1107-1125.	0.4	53
52	Outcomes after Stereotactic Body Radiotherapy versus Limited Resection in Older Patients with Early-Stage Lung Cancer. Journal of Thoracic Oncology, 2015, 10, 1201-1206.	0.5	51
53	Molecular profiling of malignant peritoneal mesothelioma identifies the ubiquitinâ€“proteasome pathway as a therapeutic target in poor prognosis tumors. Oncogene, 2007, 26, 610-617.	2.6	48
54	Comparative Anatomy of Chromosomal Domains with Imprinted and Non-Imprinted Allele-Specific DNA Methylation. PLoS Genetics, 2013, 9, e1003622.	1.5	47

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55	Epigenetic Inactivation of Betaig-h3 Gene in Human Cancer Cells. Cancer Research, 2006, 66, 4566-4573.	0.4	46
56	The Epithelial Cell in Lung Health and Emphysema Pathogenesis. Current Respiratory Medicine Reviews, 2006, 2, 101-142.	0.1	42
57	Update in Lung Cancer 2008. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 860-868.	2.5	41
58	Evaluating Beliefs Associated with Late-Stage Lung Cancer Presentation in Minorities. Journal of Thoracic Oncology, 2013, 8, 12-18.	0.5	40
59	Prototypical oncogene family Myc defines unappreciated distinct lineage states of small cell lung cancer. Science Advances, 2021, 7, .	4.7	40
60	APOM and high-density lipoprotein cholesterol are associated with lung function and per cent emphysema. European Respiratory Journal, 2014, 43, 1003-1017.	3.1	37
61	Genomics of Lung Cancer. Proceedings of the American Thoracic Society, 2009, 6, 152-158.	3.5	36
62	Update in Lung Cancer 2014. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 283-294.	2.5	36
63	Summary of the Japanese Respiratory Society statement for the treatment of lung cancer with comorbid interstitial pneumonia. Respiratory Investigation, 2019, 57, 512-533.	0.9	36
64	MODMatcher: Multi-Omics Data Matcher for Integrative Genomic Analysis. PLoS Computational Biology, 2014, 10, e1003790.	1.5	35
65	Update in Lung Cancer 2007. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 941-946.	2.5	34
66	Progression of Human Bronchioloalveolar Carcinoma to Invasive Adenocarcinoma Is Modeled in a Transgenic Mouse Model of K-rasâ€“Induced Lung Cancer by Loss of the TGF-Î² Type II Receptor. Cancer Research, 2011, 71, 6665-6675.	0.4	32
67	Genomic Underpinnings of Tumor Behavior in In Situ and Early Lung Adenocarcinoma. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 697-706.	2.5	32
68	Role of endothelial cells in tumor microenvironment. Clinical and Translational Medicine, 2021, 11, e450.	1.7	32
69	Molecular testing guidelines for lung adenocarcinoma: Utility of cell blocks and concordance between fine-needle aspiration cytology and histology samples. CytoJournal, 2014, 11, 12.	0.8	32
70	No effect of cigarette smoking dose on oxidized plasma proteins. Environmental Research, 2008, 106, 219-225.	3.7	31
71	An Official American Thoracic Society Research Statement: A Research Framework for Pulmonary Nodule Evaluation and Management. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 500-514.	2.5	31
72	Baseline and annual repeat rounds of screening: implications for optimal regimens of screening. European Radiology, 2018, 28, 1085-1094.	2.3	31

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73	Patterns of allelic loss differ in lung adenocarcinomas of smokers and nonsmokers. Lung Cancer, 2003, 39, 23-29.	0.9	30
74	Expression Profiling and Lung Cancer Development. Proceedings of the American Thoracic Society, 2007, 4, 127-132.	3.5	29
75	Update in Lung Cancer and Mesothelioma 2012. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 157-166.	2.5	29
76	Impact of corticosteroids in hospitalised COVID-19 patients. BMJ Open Respiratory Research, 2021, 8, e000766.	1.2	27
77	How to translate the knowledge of COVIDâ€19 into the prevention of Omicron variants. Clinical and Translational Medicine, 2021, 11, e680.	1.7	26
78	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.	0.7	24
79	Epigenomic Profiling Discovers Trans-lineage SOX2 Partnerships Driving Tumor Heterogeneity in Lung Squamous Cell Carcinoma. Cancer Research, 2019, 79, 6084-6100.	0.4	24
80	Utility of CD138 (syndecan-1) in distinguishing carcinomas from mesotheliomas. Diagnostic Cytopathology, 2005, 33, 65-70.	0.5	23
81	Molecular Testing in Lung Cancer: The Time Is Now. Current Oncology Reports, 2010, 12, 335-348.	1.8	22
82	Oligonucleotide Microarray Analysis of Lung Adenocarcinoma in Smokers and Nonsmokers Identifies GPC3 as a Potential Lung Tumor Suppressor. Chest, 2002, 121, 6S-7S.	0.4	21
83	Association of Patientâ€“Provider Communication Domains with Lung Cancer Treatment. Journal of Thoracic Oncology, 2014, 9, 1249-1254.	0.5	20
84	Plasma carbonyls do not correlate with lung function or computed tomography measures of lung density in older smokers. Biomarkers, 2008, 13, 422-434.	0.9	19
85	Thymidylate synthase expression and molecular alterations in adenosquamous carcinoma of the lung. Modern Pathology, 2013, 26, 239-246.	2.9	18
86	Integrative network analysis of early-stage lung adenocarcinoma identifies aurora kinase inhibition as interceptor of invasion and progression. Nature Communications, 2022, 13, 1592.	5.8	16
87	A Two-Step Approach for Feature Selection and Classifier Ensemble Construction in Computer-Aided Diagnosis. , 2008, , .		15
88	Targeting the Complement Cascade in the Pathophysiology of COVID-19 Disease. Journal of Clinical Medicine, 2021, 10, 2188.	1.0	15
89	Pulmonary Infiltrates in a Patient With Advanced Melanoma. Journal of Clinical Oncology, 2017, 35, 705-708.	0.8	14
90	Update in Lung Cancer 2015. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 661-671.	2.5	13

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91	COVID-19 ventilator barotrauma management: less is more. Annals of Translational Medicine, 2020, 8, 1575-1575.	0.7	12
92	Can single cell RNA sequencing reshape the clinical biochemistry of hematology: New clusters of circulating blood cells. Clinical and Translational Medicine, 2021, 11, e671.	1.7	11
93	Early-Stage Lung Adenocarcinoma MDM2 Genomic Amplification Predicts Clinical Outcome and Response to Targeted Therapy. Cancers, 2022, 14, 708.	1.7	8
94	Update in Lung Cancer 2006. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 868-874.	2.5	7
95	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. Chest, 2017, 151, 1215-1217.	0.4	7
96	Platinum-doublet chemotherapy as second-line treatment for relapsed patients with small-cell lung cancer: A systematic review and meta-analysis. Lung Cancer, 2021, 156, 59-67.	0.9	7
97	Forward singleâ€cell sequencing into clinical application: Understanding of cancer microenvironment at singleâ€cell solution. Clinical and Translational Medicine, 2022, 12, e782.	1.7	7
98	Waiting to Exhale. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 246-247.	2.5	6
99	Update in Lung Cancer and Oncological Disorders 2010. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 297-302.	2.5	6
100	Application of Internet of Things in Chronic Respiratory Disease Prevention, Diagnosis, Treatment and Management. Clinical EHealth, 2022, 5, 10-16.	4.1	5
101	Class Prediction of Lung Nodule Gene Expression Profiles. Chest, 2004, 125, 104S.	0.4	3
102	Impact of segmentation uncertainties on computer-aided diagnosis of pulmonary nodules. International Journal of Computer Assisted Radiology and Surgery, 2008, 3, 551-558.	1.7	3
103	Carcinoma of the Lung and Metastatic Disease of the Central Nervous System. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 1090-1090.	2.5	3
104	Rounding Up Apoptosis Resistance Targets in Lung Cancer. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 7-8.	1.4	2
105	Forward singleâ€cell sequencing into clinical application: Understanding of ageing and rejuvenation from clinical observation to singleâ€cell solution. Clinical and Translational Medicine, 2022, 12, e827.	1.7	2
106	Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration For The Diagnosis And Staging Of Thoracic Malignancy. , 2010, , .		1
107	Rebuttal From Dr Powell. Chest, 2017, 151, 1218-1219.	0.4	1
108	In Case of Invasive Nodule, Break Ground-Glass. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 1124-1126.	2.5	1

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109	Lipids and genes: Regulatory roles of lipids in RNA expression. Clinical and Translational Medicine, 2022, 12, e863.	1.7	1
110	Comparison of image features calculated in different dimensions for computer-aided diagnosis of lung nodules. Proceedings of SPIE, 2009, , .	0.8	0
111	The Gender-Specific Aspects of Lung Cancer. , 2010, , 260-269.		0
112	Sequencing Lung Cancerâ€™s Sequence. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 657-659.	2.5	0
113	Can singleâ€cell RNA sequencing reshape the clinical biochemistry of haematology? New clusters of circulating blood cells. Clinical and Translational Discovery, 2022, 2, .	0.2	0
114	Tumour endothelial cells for translational research and therapeutics. Clinical and Translational Discovery, 2022, 2, .	0.2	0
115	Forward singleâ€cell sequencing into clinical application: Understanding of cancer microenvironment at singleâ€cell solution. Clinical and Translational Discovery, 2022, 2, .	0.2	0
116	Forward singleâ€cell sequencing into clinical application: Understanding of ageing and rejuvenation from clinical observation to singleâ€cell solution. Clinical and Translational Discovery, 2022, 2, .	0.2	0
117	Lipids and Genes: Regulatory roles of lipids in RNA expression. Clinical and Translational Discovery, 2022, 2, .	0.2	0