

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	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, .	0.2	0
2	Early-Stage Lung Adenocarcinoma MDM2 Genomic Amplification Predicts Clinical Outcome and Response to Targeted Therapy. <i>Cancers</i> , 2022, 14, 708.	1.7	8
3	Expert consensus on the metaverse in medicine. <i>Clinical EHealth</i> , 2022, 5, 1-9.	4.1	96
4	Tumour endothelial cells for translational research and therapeutics. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.2	0
5	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.	5.8	16
6	Application of Internet of Things in Chronic Respiratory Disease Prevention, Diagnosis, Treatment and Management. <i>Clinical EHealth</i> , 2022, 5, 10-16.	4.1	5
7	Forward single-cell sequencing into clinical application: Understanding of cancer microenvironment at single-cell solution. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.2	0
8	Forward single-cell sequencing into clinical application: Understanding of cancer microenvironment at single-cell solution. <i>Clinical and Translational Medicine</i> , 2022, 12, e782.	1.7	7
9	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, .	0.2	0
10	Lipids and Genes: Regulatory roles of lipids in RNA expression. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.2	0
11	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.	1.7	2
12	Lipids and genes: Regulatory roles of lipids in RNA expression. <i>Clinical and Translational Medicine</i> , 2022, 12, e863.	1.7	1
13	Prototypical oncogene family Myc defines unappreciated distinct lineage states of small cell lung cancer. <i>Science Advances</i> , 2021, 7, .	4.7	40
14	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. <i>Radiology</i> , 2021, 298, 550-566.	3.6	53
15	Chest CT Diagnosis and Clinical Management of Drug-Related Pneumonitis in Patients Receiving Molecular Targeting Agents and Immune Checkpoint Inhibitors. <i>Chest</i> , 2021, 159, 1107-1125.	0.4	53
16	Impact of corticosteroids in hospitalised COVID-19 patients. <i>BMJ Open Respiratory Research</i> , 2021, 8, e000766.	1.2	27
17	Targeting the Complement Cascade in the Pathophysiology of COVID-19 Disease. <i>Journal of Clinical Medicine</i> , 2021, 10, 2188.	1.0	15
18	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.	0.9	7

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19	Role of endothelial cells in tumor microenvironment. <i>Clinical and Translational Medicine</i> , 2021, 11, e450.	1.7	32
20	In Case of Invasive Nodule, Break Ground-Glass. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1124-1126.	2.5	1
21	How to translate the knowledge of COVID-19 into the prevention of Omicron variants. <i>Clinical and Translational Medicine</i> , 2021, 11, e680.	1.7	26
22	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.	1.7	11
23	Epidemiology of lung cancer and lung cancer screening programs in China and the United States. <i>Cancer Letters</i> , 2020, 468, 82-87.	3.2	196
24	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.	2.5	32
25	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.	2.5	79
26	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.	1.7	105
27	COVID-19 ventilator barotrauma management: less is more. <i>Annals of Translational Medicine</i> , 2020, 8, 1575-1575.	0.7	12
28	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.	0.9	36
29	Interstitial Lung Abnormalities and Lung Cancer Risk in the National Lung Screening Trial. <i>Chest</i> , 2019, 156, 1195-1203.	0.4	61
30	Sequencing Lung Cancer's Sequence. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 657-659.	2.5	0
31	Epigenomic Profiling Discovers Trans-lineage SOX2 Partnerships Driving Tumor Heterogeneity in Lung Squamous Cell Carcinoma. <i>Cancer Research</i> , 2019, 79, 6084-6100.	0.4	24
32	Global Epidemiology of Lung Cancer. <i>Annals of Global Health</i> , 2019, 85, .	0.8	856
33	Baseline and annual repeat rounds of screening: implications for optimal regimens of screening. <i>European Radiology</i> , 2018, 28, 1085-1094.	2.3	31
34	Rebuttal From Dr Powell. <i>Chest</i> , 2017, 151, 1218-1219.	0.4	1
35	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.	0.4	7
36	Pulmonary Infiltrates in a Patient With Advanced Melanoma. <i>Journal of Clinical Oncology</i> , 2017, 35, 705-708.	0.8	14

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37	Guidelines for Management of Incidental Pulmonary Nodules Detected on CT Images: From the Fleischner Society 2017. <i>Radiology</i> , 2017, 284, 228-243.	3.6	1,587
38	The Asthma Mobile Health Study, a large-scale clinical observational study using ResearchKit. <i>Nature Biotechnology</i> , 2017, 35, 354-362.	9.4	185
39	Lung Cancer Diagnosis by Fine Needle Aspiration Is Associated With Reduction in Resection of Nonmalignant Lung Nodules. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1795-1801.	0.7	24
40	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. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, e15-e29.	2.5	95
41	Update in Lung Cancer 2015. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 661-671.	2.5	13
42	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. <i>Journal of Thoracic Oncology</i> , 2016, 11, 1204-1223.	0.5	530
43	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. <i>Journal of Thoracic Oncology</i> , 2016, 11, 666-680.	0.5	170
44	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. <i>Journal of Thoracic Oncology</i> , 2016, 11, 639-650.	0.5	182
45	Components Necessary for High-Quality Lung Cancer Screening. <i>Chest</i> , 2015, 147, 295-303.	0.4	179
46	Outcomes after Stereotactic Body Radiotherapy versus Limited Resection in Older Patients with Early-Stage Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2015, 10, 1201-1206.	0.5	51
47	The 2015 World Health Organization Classification of Lung Tumors. <i>Journal of Thoracic Oncology</i> , 2015, 10, 1243-1260.	0.5	3,313
48	Update in Lung Cancer 2014. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 283-294.	2.5	36
49	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.	0.8	103
50	Integrative Analysis of DNA Methylation and Gene Expression Data Identifies EPAS1 as a Key Regulator of COPD. <i>PLoS Genetics</i> , 2015, 11, e1004898.	1.5	82
51	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. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 881-891.	2.5	199
52	An Official American Thoracic Society Research Statement: A Research Framework for Pulmonary Nodule Evaluation and Management. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 500-514.	2.5	31
53	The Non-“Small Cell Lung Cancer Immune Contexture. A Major Determinant of Tumor Characteristics and Patient Outcome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 377-390.	2.5	204
54	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. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 408-418.	2.5	87

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55	Cultural Factors Associated with Racial Disparities in Lung Cancer Care. <i>Annals of the American Thoracic Society</i> , 2014, 11, 489-495.	1.5	75
56	MODMatcher: Multi-Omics Data Matcher for Integrative Genomic Analysis. <i>PLoS Computational Biology</i> , 2014, 10, e1003790.	1.5	35
57	APOM and high-density lipoprotein cholesterol are associated with lung function and per cent emphysema. <i>European Respiratory Journal</i> , 2014, 43, 1003-1017.	3.1	37
58	Association of Patient-Provider Communication Domains with Lung Cancer Treatment. <i>Journal of Thoracic Oncology</i> , 2014, 9, 1249-1254.	0.5	20
59	Molecular testing guidelines for lung adenocarcinoma: Utility of cell blocks and concordance between fine-needle aspiration cytology and histology samples. <i>CytoJournal</i> , 2014, 11, 12.	0.8	32
60	Update in Lung Cancer and Mesothelioma 2012. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 157-166.	2.5	29
61	PARP inhibition selectively increases sensitivity to cisplatin in ERCC1-low non-small cell lung cancer cells. <i>Carcinogenesis</i> , 2013, 34, 739-749.	1.3	81
62	An Official American Thoracic Society/European Respiratory Society Statement: The Role of the Pulmonologist in the Diagnosis and Management of Lung Cancer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 503-507.	2.5	54
63	Thymidylate synthase expression and molecular alterations in adenosquamous carcinoma of the lung. <i>Modern Pathology</i> , 2013, 26, 239-246.	2.9	18
64	Comparative Anatomy of Chromosomal Domains with Imprinted and Non-Imprinted Allele-Specific DNA Methylation. <i>PLoS Genetics</i> , 2013, 9, e1003622.	1.5	47
65	Evaluating Beliefs Associated with Late-Stage Lung Cancer Presentation in Minorities. <i>Journal of Thoracic Oncology</i> , 2013, 8, 12-18.	0.5	40
66	Molecular Biology of Lung Cancer. <i>Chest</i> , 2013, 143, e30S-e39S.	0.4	65
67	Racial and Ethnic Differences in Beliefs About Lung Cancer Care. <i>Chest</i> , 2012, 142, 1251-1258.	0.4	53
68	Acquisition and Processing of Endobronchial Ultrasound-guided Transbronchial Needle Aspiration Specimens in the Era of Targeted Lung Cancer Chemotherapy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 185, 606-611.	2.5	69
69	Do all lung adenocarcinomas follow a stepwise progression?. <i>Lung Cancer</i> , 2011, 74, 7-11.	0.9	110
70	International Association for the Study of Lung Cancer/American Thoracic Society/European Respiratory Society: International Multidisciplinary Classification of Lung Adenocarcinoma: Executive Summary. <i>Proceedings of the American Thoracic Society</i> , 2011, 8, 381-385.	3.5	451
71	Lysyl oxidase: A lung adenocarcinoma biomarker of invasion and survival. <i>Cancer</i> , 2011, 117, 2186-2191.	2.0	67
72	Patients rate physician communication about lung cancer. <i>Cancer</i> , 2011, 117, 5212-5220.	2.0	67

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73	Update in Lung Cancer and Oncological Disorders 2010. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 297-302.	2.5	6
74	Progression of Human Bronchioloalveolar Carcinoma to Invasive Adenocarcinoma Is Modeled in a Transgenic Mouse Model of K-ras ^{G12S} -Induced Lung Cancer by Loss of the TGF- β 2 Type II Receptor. Cancer Research, 2011, 71, 6665-6675.	0.4	32
75	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
76	TGF- β 2 Signaling Pathway in Lung Adenocarcinoma Invasion. Journal of Thoracic Oncology, 2010, 5, 153-157.	0.5	55
77	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
78	Molecular Testing in Lung Cancer: The Time Is Now. Current Oncology Reports, 2010, 12, 335-348.	1.8	22
79	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
80	Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration For The Diagnosis And Staging Of Thoracic Malignancy. , 2010, , .		1
81	Effectiveness of Radiation Therapy for Elderly Patients with Unresected Stage I and II Non-Small Cell Lung Cancer. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 264-269.	2.5	66
82	The Gender-Specific Aspects of Lung Cancer. , 2010, , 260-269.		0
83	Update in Lung Cancer 2008. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 860-868.	2.5	41
84	Rounding Up Apoptosis Resistance Targets in Lung Cancer. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 7-8.	1.4	2
85	Genomics of Lung Cancer. Proceedings of the American Thoracic Society, 2009, 6, 152-158.	3.5	36
86	Invasive Size is an Independent Predictor of Survival in Pulmonary Adenocarcinoma. American Journal of Surgical Pathology, 2009, 33, 462-469.	2.1	178
87	Comparison of image features calculated in different dimensions for computer-aided diagnosis of lung nodules. Proceedings of SPIE, 2009, , .	0.8	0
88	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
89	Lung adenocarcinoma invasion in TGF β 2RII-deficient cells is mediated by CCL5/RANTES. Oncogene, 2008, 27, 557-564.	2.6	56
90	No effect of cigarette smoking dose on oxidized plasma proteins. Environmental Research, 2008, 106, 219-225.	3.7	31

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91	Plasma carbonyls do not correlate with lung function or computed tomography measures of lung density in older smokers. <i>Biomarkers</i> , 2008, 13, 422-434.	0.9	19
92	A Two-Step Approach for Feature Selection and Classifier Ensemble Construction in Computer-Aided Diagnosis. , 2008, , .		15
93	Carcinoma of the Lung and Metastatic Disease of the Central Nervous System. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 1090-1090.	2.5	3
94	Update in Lung Cancer 2007. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 941-946.	2.5	34
95	Waiting to Exhale. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 246-247.	2.5	6
96	Update in Lung Cancer 2006. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 868-874.	2.5	7
97	Expression Profiling and Lung Cancer Development. <i>Proceedings of the American Thoracic Society</i> , 2007, 4, 127-132.	3.5	29
98	A 10-Genes Classifier for Distinguishing Head and Neck Squamous Cell Carcinoma and Lung Squamous Cell Carcinoma. <i>Clinical Cancer Research</i> , 2007, 13, 2905-2915.	3.2	60
99	Clinical Predictors of Metastatic Disease to the Brain from Non-“Small Cell Lung Carcinoma: Primary Tumor Size, Cell Type, and Lymph Node Metastases. <i>Radiology</i> , 2007, 242, 882-888.	3.6	191
100	Molecular profiling of malignant peritoneal mesothelioma identifies the ubiquitin-“proteasome pathway as a therapeutic target in poor prognosis tumors. <i>Oncogene</i> , 2007, 26, 610-617.	2.6	48
101	Expression of the cytoskeleton linker protein ezrin in human cancers. <i>Clinical and Experimental Metastasis</i> , 2007, 24, 69-78.	1.7	118
102	Epigenetic Inactivation of Betaig-h3 Gene in Human Cancer Cells. <i>Cancer Research</i> , 2006, 66, 4566-4573.	0.4	46
103	The Epithelial Cell in Lung Health and Emphysema Pathogenesis. <i>Current Respiratory Medicine Reviews</i> , 2006, 2, 101-142.	0.1	42
104	CDX2 Immunostaining as a Gastrointestinal Marker. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2005, 13, 55-60.	0.6	69
105	Utility of CD138 (syndecan-1) in distinguishing carcinomas from mesotheliomas. <i>Diagnostic Cytopathology</i> , 2005, 33, 65-70.	0.5	23
106	P16 Loss and Mitotic Activity Predict Poor Survival in Patients with Peritoneal Malignant Mesothelioma. <i>Clinical Cancer Research</i> , 2005, 11, 3303-3308.	3.2	59
107	Lung Adenocarcinoma Global Profiling Identifies Type II Transforming Growth Factor-Î² Receptor as a Repressor of Invasiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 729-737.	2.5	77
108	STRUCTURAL EMPHYSEMA DOES NOT CORRELATE WITH LUNG COMPLIANCE: LESSONS FROM THE MOUSE SMOKING MODEL. <i>Experimental Lung Research</i> , 2005, 31, 547-562.	0.5	71

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109	Molecular Signatures in Biopsy Specimens of Lung Cancer. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 167-174.	2.5	105
110	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
111	Class Prediction of Lung Nodule Gene Expression Profiles. Chest, 2004, 125, 104S.	0.4	3
112	Gene Expression in Lung Adenocarcinomas of Smokers and Nonsmokers. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 157-162.	1.4	112
113	Non-Small-Cell Lung Cancer Molecular Signatures Recapitulate Lung Developmental Pathways. American Journal of Pathology, 2003, 163, 1949-1960.	1.9	203
114	Patterns of allelic loss differ in lung adenocarcinomas of smokers and nonsmokers. Lung Cancer, 2003, 39, 23-29.	0.9	30
115	The Heparan Sulfate Proteoglycan GPC3 Is a Potential Lung Tumor Suppressor. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 694-701.	1.4	97
116	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
117	Gene Expression in Wilms's Tumor Mimics the Earliest Committed Stage in the Metanephric Mesenchymal-Epithelial Transition. American Journal of Pathology, 2002, 160, 2181-2190.	1.9	213