

Gerald J Berry

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

6,146
citations

94269

37
h-index

79541

73
g-index

78
all docs

78
docs citations

78
times ranked

9514
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecular cell atlas of the human lung from single-cell RNA sequencing. <i>Nature</i> , 2020, 587, 619-625.	13.7	963
2	Predicting non-small cell lung cancer prognosis by fully automated microscopic pathology image features. <i>Nature Communications</i> , 2016, 7, 12474.	5.8	694
3	The 2013 International Society for Heart and Lung Transplantation Working Formulation for the standardization of nomenclature in the pathologic diagnosis of antibody-mediated rejection in heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2013, 32, 1147-1162.	0.3	440
4	Integrating genomic features for non-invasive early lung cancer detection. <i>Nature</i> , 2020, 580, 245-251.	13.7	379
5	Deep learning model for the prediction of microsatellite instability in colorectal cancer: a diagnostic study. <i>Lancet Oncology</i> , The, 2021, 22, 132-141.	5.1	198
6	The ISHLT working formulation for pathologic diagnosis of antibody-mediated rejection in heart transplantation: Evolution and current status (2005–2011). <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 601-611.	0.3	193
7	Immunoinhibitory checkpoint deficiency in medium and large vessel vasculitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E970-E979.	3.3	172
8	Inhibition of JAK-STAT Signaling Suppresses Pathogenic Immune Responses in Medium and Large Vessel Vasculitis. <i>Circulation</i> , 2018, 137, 1934-1948.	1.6	161
9	Impact of a deep learning assistant on the histopathologic classification of liver cancer. <i>Npj Digital Medicine</i> , 2020, 3, 23.	5.7	156
10	Non-Small Cell Lung Cancer Radiogenomics Map Identifies Relationships between Molecular and Imaging Phenotypes with Prognostic Implications. <i>Radiology</i> , 2018, 286, 307-315.	3.6	140
11	Cell-Free DNA to Detect Heart Allograft Acute Rejection. <i>Circulation</i> , 2021, 143, 1184-1197.	1.6	129
12	Pathology of pulmonary antibody-mediated rejection: 2012 update from the Pathology Council of the ISHLT. <i>Journal of Heart and Lung Transplantation</i> , 2013, 32, 14-21.	0.3	127
13	The DNA Repair Nuclease MRE11A Functions as a Mitochondrial Protector and Prevents T Cell Pyroptosis and Tissue Inflammation. <i>Cell Metabolism</i> , 2019, 30, 477-492.e6.	7.2	105
14	MMP (Matrix Metalloprotease)-9-Producing Monocytes Enable T Cells to Invade the Vessel Wall and Cause Vasculitis. <i>Circulation Research</i> , 2018, 123, 700-715.	2.0	103
15	The microvascular niche instructs T cells in large vessel vasculitis via the VEGF-Jagged1-Notch pathway. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	93
16	Pathology of radiation and anthracycline cardiotoxicity. <i>Pediatric Blood and Cancer</i> , 2005, 44, 630-637.	0.8	88
17	Association of Omics Features with Histopathology Patterns in Lung Adenocarcinoma. <i>Cell Systems</i> , 2017, 5, 620-627.e3.	2.9	88
18	Immune checkpoint dysfunction in large and medium vessel vasculitis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1052-H1059.	1.5	85

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19	Donor-derived cell-free DNA predicts allograft failure and mortality after lung transplantation. <i>EBioMedicine</i> , 2019, 40, 541-553.	2.7	83
20	Features and Outcomes of Methamphetamine-associated Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 788-800.	2.5	81
21	Global analysis of shared T cell specificities in human non-small cell lung cancer enables HLA inference and antigen discovery. <i>Immunity</i> , 2021, 54, 586-602.e8.	6.6	80
22	Pyruvate controls the checkpoint inhibitor PD-L1 and suppresses T cell immunity. <i>Journal of Clinical Investigation</i> , 2017, 127, 2725-2738.	3.9	75
23	Angiotensin-converting enzyme 2 (ACE2) expression increases with age in patients requiring mechanical ventilation. <i>PLoS ONE</i> , 2021, 16, e0247060.	1.1	73
24	Late manifestation of alloantibody-associated injury and clinical pulmonary antibody-mediated rejection: Evidence from cell-free DNA analysis. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 925-932.	0.3	69
25	Classifying non-small cell lung cancer types and transcriptomic subtypes using convolutional neural networks. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 757-769.	2.2	69
26	T Cell-Macrophage Interactions and Granuloma Formation in Vasculitis. <i>Frontiers in Immunology</i> , 2014, 5, 432.	2.2	65
27	The immunoinhibitory PD-1/PD-L1 pathway in inflammatory blood vessel disease. <i>Journal of Leukocyte Biology</i> , 2018, 103, 565-575.	1.5	65
28	Metabolic Control of Autoimmunity and Tissue Inflammation in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2021, 12, 652771.	2.2	65
29	Glucose metabolism controls disease-specific signatures of macrophage effector functions. <i>JCI Insight</i> , 2018, 3, .	2.3	60
30	Pathogenesis of Giant Cell Arteritis and Takayasu Arteritis—Similarities and Differences. <i>Current Rheumatology Reports</i> , 2020, 22, 68.	2.1	56
31	In Vivo Imaging of Acute Cardiac Rejection in Human Patients Using 99m Technetium Labeled Annexin V. <i>American Journal of Transplantation</i> , 2001, 1, 270-277.	2.6	54
32	A Critical Role for the mTORC2 Pathway in Lung Fibrosis. <i>PLoS ONE</i> , 2014, 9, e106155.	1.1	49
33	Radiology-Pathology Correlation Demonstrating Organizing Pneumonia in a Patient Who Recovered from COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 598-599.	2.5	48
34	Gastrointestinal Tract Vasculopathy. <i>American Journal of Surgical Pathology</i> , 2018, 42, 866-876.	2.1	46
35	Applying rigor and reproducibility standards to assay donor-derived cell-free DNA as a non-invasive method for detection of acute rejection and graft injury after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 1004-1012.	0.3	45
36	Cytokines, growth factors and proteases in medium and large vessel vasculitis. <i>Clinical Immunology</i> , 2019, 206, 33-41.	1.4	43

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37	Giant Cell Arteritis: From Pathogenesis to Therapeutic Management. <i>Current Treatment Options in Rheumatology</i> , 2016, 2, 126-137.	0.6	42
38	Acute Limited Intimal Tears of the Thoracic Aorta. <i>Journal of the American College of Cardiology</i> , 2018, 71, 2773-2785.	1.2	41
39	Cellular Signaling Pathways in Medium and Large Vessel Vasculitis. <i>Frontiers in Immunology</i> , 2020, 11, 587089.	2.2	40
40	Pro-inflammatory and anti-inflammatory T cells in giant cell arteritis. <i>Joint Bone Spine</i> , 2017, 84, 421-426.	0.8	39
41	The transcription factor RFX5 coordinates antigen-presenting function and resistance to nutrient stress in synovial macrophages. <i>Nature Metabolism</i> , 2022, 4, 759-774.	5.1	39
42	Progression of EGFR-Mutant Lung Adenocarcinoma is Driven By Alveolar Macrophages. <i>Clinical Cancer Research</i> , 2017, 23, 778-788.	3.2	38
43	Comprehensive Genomic Profiling of Malignant Effusions in Patients with Metastatic Lung Adenocarcinoma. <i>Journal of Molecular Diagnostics</i> , 2018, 20, 184-194.	1.2	35
44	NOTCH-induced rerouting of endosomal trafficking disables regulatory T cells in vasculitis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	34
45	Donor-derived cell-free DNA accurately detects acute rejection in lung transplant patients, a multicenter cohort study. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 822-830.	0.3	34
46	Innate and Adaptive Immunity in Giant Cell Arteritis. <i>Frontiers in Immunology</i> , 2020, 11, 621098.	2.2	31
47	CD28 Signaling Controls Metabolic Fitness of Pathogenic T Cells in Medium and Large Vessel Vasculitis. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1811-1823.	1.2	30
48	Neutrophil Extracellular Traps Induce Tissue-Invasive Monocytes in Granulomatosis With Polyangiitis. <i>Frontiers in Immunology</i> , 2019, 10, 2617.	2.2	28
49	In Situ Hybridization Studies for Viral Nucleic Acids in Heart and Lung Allograft Biopsies. <i>American Journal of Clinical Pathology</i> , 1990, 93, 675-679.	0.4	26
50	Anaplastic Lymphoma Kinase Testing: IHC vs. FISH vs. NGS. <i>Current Treatment Options in Oncology</i> , 2017, 18, 71.	1.3	22
51	Age as a risk factor in vasculitis. <i>Seminars in Immunopathology</i> , 2022, 44, 281-301.	2.8	22
52	SARS-CoV-2 Brain Regional Detection, Histopathology, Gene Expression, and Immunomodulatory Changes in Decedents with COVID-19. <i>Journal of Neuropathology and Experimental Neurology</i> , 2022, 81, 666-695.	0.9	22
53	Using Bronchoscopic Lung Cryobiopsy and a Genomic Classifier in the Multidisciplinary Diagnosis of Diffuse Interstitial Lung Diseases. <i>Chest</i> , 2020, 158, 2015-2025.	0.4	21
54	Targeted deep sequencing of cell-free DNA in serous body cavity fluids with malignant, suspicious, and benign cytology. <i>Cancer Cytopathology</i> , 2020, 128, 43-56.	1.4	19

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55	The XVth Banff Conference on Allograft Pathology the Banff Workshop Heart Report: Improving the diagnostic yield from endomyocardial biopsies and Quilty effect revisited. American Journal of Transplantation, 2020, 20, 3308-3318.	2.6	18
56	Design and rationale of a prospective, multi-institutional registry for patients with sinonasal malignancy. Laryngoscope, 2016, 126, 1977-1980.	1.1	14
57	ISHLT consensus document on lung transplantation in patients with connective tissue disease: Part I: Epidemiology, assessment of extrapulmonary conditions, candidate evaluation, selection criteria, and pathology statements. Journal of Heart and Lung Transplantation, 2021, 40, 1251-1266.	0.3	11
58	Higher levels of allograft injury in black patients early after heart transplantation. Journal of Heart and Lung Transplantation, 2022, 41, 855-858.	0.3	11
59	Circulating microRNAs in cellular and antibody-mediated heart transplant rejection. Journal of Heart and Lung Transplantation, 2022, 41, 1401-1413.	0.3	11
60	Regulatory T Cells in Autoimmune Vasculitis. Frontiers in Immunology, 2022, 13, 844300.	2.2	10
61	Pathological antibody-mediated rejection in pediatric heart transplant recipients: Immunologic risk factors, hemodynamic significance, and outcomes. Pediatric Transplantation, 2018, 22, e13197.	0.5	8
62	Donor derived hepatitis B virus infection: Analysis of the Organ Procurement & Transplantation Network/United Network for Organ Sharing <i>Ad Hoc</i> Disease Transmission Advisory Committee. Transplant Infectious Disease, 2021, 23, e13458.	0.7	8
63	Mono- and Biallelic Protein-Truncating Variants in Alpha-Actinin 2 Cause Cardiomyopathy Through Distinct Mechanisms. Circulation Genomic and Precision Medicine, 2021, 14, CIRCGEN121003419.	1.6	8
64	Spectral Doppler Waveforms for Diagnosis of Appendicitis: Potential Utility of Point Peak Systolic Velocity and Resistive Index Values. Radiology, 2017, 285, 990-998.	3.6	7
65	Two Cases of Pulmonary Tumor Thrombotic Microangiopathy Associated with ROS1-Rearranged Non-Small-Cell Lung Cancer. Clinical Lung Cancer, 2021, 22, e153-e156.	1.1	5
66	First lung and kidney multi-organ transplant following COVID-19 Infection. Journal of Heart and Lung Transplantation, 2021, 40, 856-859.	0.3	5
67	Hyperactivity of the CD155 immune checkpoint suppresses anti-viral immunity in patients with coronary artery disease. , 2022, 1, 634-648.		5
68	Examination of factors associated with lymph node metastases in lung carcinoids: Results from a single institution retrospective cohort study. Lung Cancer, 2021, 154, 186-194.	0.9	3
69	Ultra-Rapid Nanopore Whole Genome Genetic Diagnosis of Dilated Cardiomyopathy in an Adolescent With Cardiogenic Shock. Circulation Genomic and Precision Medicine, 2022, 15, CIRCGEN121003591.	1.6	3
70	Lung allograft standardized histological analysis (LASHA) template: A research consensus proposal. Journal of Heart and Lung Transplantation, 2022, 41, 1487-1500.	0.3	3
71	Recurrent Pyogenic Cholangitis: Got Stones?. Digestive Diseases and Sciences, 2016, 61, 3147-3150.	1.1	2
72	Dysphagia and Dysphonia, a Pairing of Symptoms Caused by an Unusual Pair of Diseases: Castleman's Disease and Myasthenia Gravis. Annals of Otolaryngology, Rhinology and Laryngology, 2021, 130, 319-324.	0.6	2

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73	Targeted Treatment of Multiple Primary Lung Cancers Harboring Distinct EGFR or RET Alterations: A Case Report. <i>Clinical Lung Cancer</i> , 2021, 22, e673-e677.	1.1	2
74	Pulmonary Crohn's Disease. <i>Digestive Diseases and Sciences</i> , 2017, 62, 64-67.	1.1	1
75	Dysphagia and Pharyngeal Obstruction in a Nonsmoker. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2018, 144, 171.	1.2	0
76	Response by Shah et al to Letter Regarding Article, "Cell-Free DNA to Detect Heart Allograft Acute Rejection". <i>Circulation</i> , 2021, 144, e198-e199.	1.6	0
77	Benign Ectopic Thyroid in the Lateral (Level II) Neck Compartment. <i>Cureus</i> , 2022, 14, e22140.	0.2	0