

Donald R Vandevanter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

3,221
citations

30
h-index

55
g-index

88
ext. papers

3,923
ext. citations

3.8
avg, IF

5.02
L-index

#	Paper	IF	Citations
77	A small-molecule nitroimidazopyran drug candidate for the treatment of tuberculosis. <i>Nature</i> , 2000 , 405, 962-6	50.4	827
76	Decade-long bacterial community dynamics in cystic fibrosis airways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5809-14	11.5	431
75	CFTR modulator theratyping: Current status, gaps and future directions. <i>Journal of Cystic Fibrosis</i> , 2019 , 18, 22-34	4.1	110
74	Treatment with tobramycin solution for inhalation reduces hospitalizations in young CF subjects with mild lung disease. <i>Pediatric Pulmonology</i> , 2004 , 38, 314-20	3.5	105
73	Risk factors for rate of decline in FEV1 in adults with cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2012 , 11, 405-11	4.1	83
72	Oral, inhaled, and intravenous antibiotic choice for treating pulmonary exacerbations in cystic fibrosis. <i>Pediatric Pulmonology</i> , 2013 , 48, 666-73	3.5	82
71	Anti-PcrV antibody in cystic fibrosis: a novel approach targeting <i>Pseudomonas aeruginosa</i> airway infection. <i>Pediatric Pulmonology</i> , 2014 , 49, 650-8	3.5	73
70	Cystic fibrosis in young children: A review of disease manifestation, progression, and response to early treatment. <i>Journal of Cystic Fibrosis</i> , 2016 , 15, 147-57	4.1	69
69	Standardized Treatment of Pulmonary Exacerbations (STOP) study: Physician treatment practices and outcomes for individuals with cystic fibrosis with pulmonary Exacerbations. <i>Journal of Cystic Fibrosis</i> , 2017 , 16, 600-606	4.1	53
68	A phase 3, open-label, randomized trial to evaluate the safety and efficacy of levofloxacin inhalation solution (APT-1026) versus tobramycin inhalation solution in stable cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2015 , 14, 507-14	4.1	51
67	Fluctuations in airway bacterial communities associated with clinical states and disease stages in cystic fibrosis. <i>PLoS ONE</i> , 2018 , 13, e0194060	3.7	51
66	Standardized Treatment of Pulmonary Exacerbations (STOP) study: Observations at the initiation of intravenous antibiotics for cystic fibrosis pulmonary exacerbations. <i>Journal of Cystic Fibrosis</i> , 2017 , 16, 592-599	4.1	48
65	Trends in the use of routine therapies in cystic fibrosis: 1995-2005. <i>Pediatric Pulmonology</i> , 2010 , 45, 1167-72	3.5	47
64	How much do <i>Pseudomonas</i> biofilms contribute to symptoms of pulmonary exacerbation in cystic fibrosis?. <i>Pediatric Pulmonology</i> , 2005 , 39, 504-6	3.5	46
63	A phase 3, multi-center, multinational, randomized, double-blind, placebo-controlled study to evaluate the efficacy and safety of levofloxacin inhalation solution (APT-1026) in stable cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2016 , 15, 495-502	4.1	44
62	Use of ibuprofen to assess inflammatory biomarkers in induced sputum: Implications for clinical trials in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2015 , 14, 720-6	4.1	43
61	Assessing time to pulmonary function benefit following antibiotic treatment of acute cystic fibrosis exacerbations. <i>Respiratory Research</i> , 2010 , 11, 137	7.3	43

60	Characterizing aggressiveness and predicting future progression of CF lung disease. <i>Journal of Cystic Fibrosis</i> , 2009 , 8 Suppl 1, S15-9	4.1	41
59	Antimicrobial susceptibility testing (AST) and associated clinical outcomes in individuals with cystic fibrosis: A systematic review. <i>Journal of Cystic Fibrosis</i> , 2019 , 18, 236-243	4.1	40
58	Defining antimicrobial resistance in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2018 , 17, 696-704	4.1	40
57	Association of High-Dose Ibuprofen Use, Lung Function Decline, and Long-Term Survival in Children with Cystic Fibrosis. <i>Annals of the American Thoracic Society</i> , 2018 , 15, 485-493	4.7	38
56	Tobramycin administered by the TOBI(®) Podhaler(®) for persons with cystic fibrosis: a review. <i>Medical Devices: Evidence and Research</i> , 2011 , 4, 179-88	1.5	38
55	Clinical applications of pulmonary delivery of antibiotics. <i>Advanced Drug Delivery Reviews</i> , 2015 , 85, 1-6	18.5	37
54	Culture-Based and Culture-Independent Bacteriologic Analysis of Cystic Fibrosis Respiratory Specimens. <i>Journal of Clinical Microbiology</i> , 2016 , 54, 613-9	9.7	35
53	Pulmonary outcome prediction (POP) tools for cystic fibrosis patients. <i>Pediatric Pulmonology</i> , 2010 , 45, 1156-66	3.5	34
52	Reconciling Antimicrobial Susceptibility Testing and Clinical Response in Antimicrobial Treatment of Chronic Cystic Fibrosis Lung Infections. <i>Clinical Infectious Diseases</i> , 2019 , 69, 1812-1816	11.6	33
51	Antibiotic treatment of signs and symptoms of pulmonary exacerbations: a comparison by care site. <i>Pediatric Pulmonology</i> , 2015 , 50, 431-40	3.5	33
50	Forced Expiratory Volume in 1 Second Variability Helps Identify Patients with Cystic Fibrosis at Risk of Greater Loss of Lung Function. <i>Journal of Pediatrics</i> , 2016 , 169, 116-21.e2	3.6	33
49	Study design considerations for the Standardized Treatment of Pulmonary Exacerbations 2 (STOP2): A trial to compare intravenous antibiotic treatment durations in CF. <i>Contemporary Clinical Trials</i> , 2018 , 64, 35-40	2.3	32
48	IV-treated pulmonary exacerbations in the prior year: An important independent risk factor for future pulmonary exacerbation in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2016 , 15, 372-9	4.1	31
47	Treatment and demographic factors affecting time to next pulmonary exacerbation in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2015 , 14, 763-9	4.1	30
46	Outcome measures for clinical trials assessing treatment of cystic fibrosis lung disease. <i>Clinical Investigation</i> , 2012 , 2, 163-175		28
45	Trisomy 8 in primary esthesioneuroblastoma. <i>Cancer Genetics and Cytogenetics</i> , 1991 , 57, 133-6		27
44	Efficacy and safety of ataluren in patients with nonsense-mutation cystic fibrosis not receiving chronic inhaled aminoglycosides: The international, randomized, double-blind, placebo-controlled Ataluren Confirmatory Trial in Cystic Fibrosis (ACT CF). <i>Journal of Cystic Fibrosis</i> , 2020 , 19, 595-601	4.1	26
43	Probability of IV antibiotic retreatment within thirty days is associated with duration and location of IV antibiotic treatment for pulmonary exacerbation in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2016 , 15, 783-790	4.1	26

42	Relationship of Antibiotic Treatment to Recovery after Acute FEV Decline in Children with Cystic Fibrosis. <i>Annals of the American Thoracic Society</i> , 2017 , 14, 937-942	4.7	25
41	Safety and efficacy of prolonged levofloxacin inhalation solution (APT-1026) treatment for cystic fibrosis and chronic <i>Pseudomonas aeruginosa</i> airway infection. <i>Journal of Cystic Fibrosis</i> , 2016 , 15, 634-40 ⁴⁻¹	4.1	24
40	Association between the introduction of a new cystic fibrosis inhaled antibiotic class and change in prevalence of patients receiving multiple inhaled antibiotic classes. <i>Journal of Cystic Fibrosis</i> , 2015 , 14, 370-5	4.1	21
39	Treatment Setting and Outcomes of Cystic Fibrosis Pulmonary Exacerbations. <i>Annals of the American Thoracic Society</i> , 2018 , 15, 225-233	4.7	21
38	Improvements in lung function and height among cohorts of 6-year-olds with cystic fibrosis from 1994 to 2012. <i>Journal of Pediatrics</i> , 2014 , 165, 1091-1097.e2	3.6	20
37	Aerosolized antibiotic therapy for chronic cystic fibrosis airway infections: continuous or intermittent?. <i>Respiratory Medicine</i> , 2011 , 105 Suppl 2, S9-17	4.6	19
36	Developing Inhaled Antibiotics in Cystic Fibrosis: Current Challenges and Opportunities. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 534-539	4.7	17
35	Trends in the clinical characteristics of the U.S. cystic fibrosis patient population from 1995 to 2005. <i>Pediatric Pulmonology</i> , 2008 , 43, 739-44	3.5	17
34	Determination of polymyxin E1 in rat plasma by high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 789, 365-72	3.2	17
33	Changing thresholds and incidence of antibiotic treatment of cystic fibrosis pulmonary exacerbations, 1995-2005. <i>Journal of Cystic Fibrosis</i> , 2013 , 12, 332-7	4.1	16
32	Y chromosome loss in chronic myeloid leukemia detected in both normal and malignant cells by interphase fluorescence in situ hybridization. <i>Genes Chromosomes and Cancer</i> , 1994 , 11, 141-5	5	15
31	Applying clinical outcome variables to appropriate aerosolized antibiotics for the treatment of patients with cystic fibrosis. <i>Respiratory Medicine</i> , 2011 , 105 Suppl 2, S18-23	4.6	14
30	Decline in lung function does not predict future decline in lung function in cystic fibrosis patients. <i>Pediatric Pulmonology</i> , 2015 , 50, 856-62	3.5	13
29	Measures of Cystic Fibrosis Airway Microbiota during Periods of Clinical Stability. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 1534-1542	4.7	12
28	BMI fails to identify poor nutritional status in stunted children with CF. <i>Journal of Cystic Fibrosis</i> , 2017 , 16, 158-160	4.1	11
27	Feasibility of placebo-controlled trial designs for new CFTR modulator evaluation. <i>Journal of Cystic Fibrosis</i> , 2017 , 16, 496-498	4.1	11
26	Antimicrobial resistance in cystic fibrosis: A Delphi approach to defining best practices. <i>Journal of Cystic Fibrosis</i> , 2020 , 19, 370-375	4.1	10
25	Building global development strategies for cf therapeutics during a transitional cftr modulator era. <i>Journal of Cystic Fibrosis</i> , 2020 , 19, 677-687	4.1	8

24	Lung function changes before and after pulmonary exacerbation antimicrobial treatment in cystic fibrosis. <i>Pediatric Pulmonology</i> , 2020 , 55, 828-834	3.5	8
23	Evidence of diminished FEV1 and FVC in 6-year-olds followed in the European Cystic Fibrosis Patient Registry, 2007-2009. <i>Journal of Cystic Fibrosis</i> , 2013 , 12, 786-9	4.1	7
22	Innovating cystic fibrosis clinical trial designs in an era of successful standard of care therapies. <i>Current Opinion in Pulmonary Medicine</i> , 2017 , 23, 530-535	3	7
21	A Randomized Clinical Trial of Antimicrobial Duration for Cystic Fibrosis Pulmonary Exacerbation Treatment. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 1295-1305	10.2	7
20	In Vitro Antibiotic Susceptibility of Initial Pseudomonas aeruginosa Isolates From United States Cystic Fibrosis Patients. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2015 , 4, 151-4	4.8	6
19	Comparison of FEV reference equations for evaluating a cystic fibrosis therapeutic intervention. <i>Pediatric Pulmonology</i> , 2017 , 52, 1013-1019	3.5	6
18	Resolution of DNA fragments from 23 kilobases to 6 megabases by biphasic linear pulse ramping. <i>Nucleic Acids Research</i> , 1992 , 20, 1148	20.1	6
17	Finding the relevance of antimicrobial stewardship for cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2020 , 19, 511-520	4.1	5
16	Cystic fibrosis clinical characteristics associated with dornase alfa treatment regimen change. <i>Pediatric Pulmonology</i> , 2018 , 53, 43-49	3.5	5
15	Association of Inhaled Antibiotics in Addition to Standard Intravenous Therapy and Outcomes of Pediatric Inpatient Pulmonary Exacerbations. <i>Annals of the American Thoracic Society</i> , 2020 , 17, 1590-1598	4.7	5
14	The use of antimicrobial susceptibility testing in pediatric cystic fibrosis pulmonary exacerbations. <i>Journal of Cystic Fibrosis</i> , 2019 , 18, 851-856	4.1	4
13	Evaluating assumptions of definition-based pulmonary exacerbation endpoints in cystic fibrosis clinical trials. <i>Journal of Cystic Fibrosis</i> , 2021 , 20, 39-45	4.1	4
12	Antimicrobial resistance: Concerns of healthcare providers and people with CF. <i>Journal of Cystic Fibrosis</i> , 2021 , 20, 407-412	4.1	3
11	Pseudomonas aeruginosa antimicrobial susceptibility test (AST) results and pulmonary exacerbation treatment responses in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2021 , 20, 257-263	4.1	3
10	Epidemiologic Study of Cystic Fibrosis: 25 years of observational research. <i>Pediatric Pulmonology</i> , 2021 , 56, 823-836	3.5	3
9	Measuring the impact of CFTR modulation on sweat chloride in cystic fibrosis: Rationale and design of the CHEC-SC study. <i>Journal of Cystic Fibrosis</i> , 2021 , 20, 965-971	4.1	3
8	Management of chronic infection with inhaled levofloxacin in people with cystic fibrosis. <i>Future Microbiology</i> , 2021 , 16, 1087-1104	2.9	3
7	Changes in symptom scores as a potential clinical endpoint for studies of cystic fibrosis pulmonary exacerbation treatment. <i>Journal of Cystic Fibrosis</i> , 2021 , 20, 36-38	4.1	2

- 6 The challenges of maintaining momentum in CF drug development and approval - Commentary. *Journal of Cystic Fibrosis*, **2017**, 16, 170-171 4.1 1
- 5 Potential for Therapeutic Benefit among Cystic Fibrosis Populations Excluded from Clinical Trials or Labeling of Marketed Therapies. *Annals of the American Thoracic Society*, **2016**, 13, 1890-1893 4.7 1
- 4 Electrophoretic isolation of extrachromosomal DNA from tumor cells. *Genes Chromosomes and Cancer*, **1995**, 12, 262-71 5 1
- 3 First bacterial infection as an alternative clinical end point for regulatory approval of agents targeting the primary cystic fibrosis defect. *Journal of Pediatrics*, **2005**, 147, 332-4 3.6
- 2 Cystic fibrosis: definition, severity and impact of pulmonary exacerbations25-37
- 1 Anti-Infective Therapies in Cystic Fibrosis. *Milestones in Drug Therapy*, **2017**, 153-169