

# Bruce K Rubin

## 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.

109 papers	3,901 citations	33 h-index	59 g-index
122 ext. papers	4,549 ext. citations	4 avg, IF	6.11 L-index

#	Paper	IF	Citations
109	Mechanisms of action and clinical application of macrolides as immunomodulatory medications. <i>Clinical Microbiology Reviews</i> , <b>2010</b> , 23, 590-615	34	424
108	Mucins, mucus, and sputum. <i>Chest</i> , <b>2009</b> , 135, 505-512	5.3	370
107	Familial pulmonary alveolar proteinosis caused by mutations in CSF2RA. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 2703-10	16.6	229
106	Mucins, Mucus, and Goblet Cells. <i>Chest</i> , <b>2018</b> , 154, 169-176	5.3	141
105	Plastic bronchitis: new insights and a classification scheme. <i>Paediatric Respiratory Reviews</i> , <b>2005</b> , 6, 292-308	4.8	140
104	Macrolide antibiotics modulate ERK phosphorylation and IL-8 and GM-CSF production by human bronchial epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2006</b> , 290, L75-85	5.8	119
103	Mucus structure and properties in cystic fibrosis. <i>Paediatric Respiratory Reviews</i> , <b>2007</b> , 8, 4-7	4.8	110
102	Immunomodulatory activity and effectiveness of macrolides in chronic airway disease. <i>Chest</i> , <b>2004</b> , 125, 70S-78S	5.3	103
101	Physiology of airway mucus clearance. <i>Respiratory Care</i> , <b>2002</b> , 47, 761-8	2.1	90
100	COVID-19 and telehealth, education, and research adaptations. <i>Paediatric Respiratory Reviews</i> , <b>2020</b> , 35, 38-42	4.8	88
99	AARC clinical practice guideline: effectiveness of nonpharmacologic airway clearance therapies in hospitalized patients. <i>Respiratory Care</i> , <b>2013</b> , 58, 2187-93	2.1	78
98	Efficacy of recombinant human deoxyribonuclease I in the hospital management of respiratory syncytial virus bronchiolitis. <i>Chest</i> , <b>2001</b> , 120, 203-8	5.3	76
97	Mucolytics, expectorants, and mucokinetic medications. <i>Respiratory Care</i> , <b>2007</b> , 52, 859-65	2.1	72
96	Management of Children With Chronic Wet Cough and Protracted Bacterial Bronchitis: CHEST Guideline and Expert Panel Report. <i>Chest</i> , <b>2017</b> , 151, 884-890	5.3	62
95	The adolescent with asthma. <i>Paediatric Respiratory Reviews</i> , <b>2014</b> , 15, 146-53	4.8	59
94	Secretion properties, clearance, and therapy in airway disease. <i>Translational Respiratory Medicine</i> , <b>2014</b> , 2, 6		52
93	Air and soul: the science and application of aerosol therapy. <i>Respiratory Care</i> , <b>2010</b> , 55, 911-21	2.1	50

92	Plastic Bronchitis. <i>Clinics in Chest Medicine</i> , <b>2016</b> , 37, 405-8	5.3	49
91	Serine proteases degrade airway mucins in cystic fibrosis. <i>Infection and Immunity</i> , <b>2011</b> , 79, 3438-44	3.7	49
90	Optimizing aerosol delivery by pressurized metered-dose inhalers. <i>Respiratory Care</i> , <b>2005</b> , 50, 1191-200	2.1	47
89	Clarithromycin inhibits interleukin-13-induced goblet cell hyperplasia in human airway cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2011</b> , 45, 1075-83	5.7	44
88	Secretory hyperresponsiveness and pulmonary mucus hypersecretion. <i>Chest</i> , <b>2014</b> , 146, 496-507	5.3	43
87	Mucus, phlegm, and sputum in cystic fibrosis. <i>Respiratory Care</i> , <b>2009</b> , 54, 726-32; discussion 732	2.1	43
86	Aerosolized antibiotics for non-cystic fibrosis bronchiectasis. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2008</b> , 21, 71-6	3.8	42
85	How do patients determine that their metered-dose inhaler is empty?. <i>Chest</i> , <b>2004</b> , 126, 1134-7	5.3	41
84	Children With Chronic Wet or Productive Cough--Treatment and Investigations: A Systematic Review. <i>Chest</i> , <b>2016</b> , 149, 120-42	5.3	38
83	Young "healthy" smokers have functional and inflammatory changes in the nasal and the lower airways. <i>Chest</i> , <b>2014</b> , 145, 998-1005	5.3	38
82	What does it mean when a patient says, "my asthma medication is not working?". <i>Chest</i> , <b>2004</b> , 126, 972-84	5.3	38
81	Emerging aerosol drug delivery strategies: from bench to clinic. <i>Advanced Drug Delivery Reviews</i> , <b>2014</b> , 75, 141-8	18.5	36
80	Prognostic implications of aspiration pneumonia in patients with community acquired pneumonia: A systematic review with meta-analysis. <i>Scientific Reports</i> , <b>2016</b> , 6, 38097	4.9	36
79	Pediatric aerosol therapy: new devices and new drugs. <i>Respiratory Care</i> , <b>2011</b> , 56, 1411-21; discussion 1421-3	2.1	35
78	The role of DNA and actin polymers on the polymer structure and rheology of cystic fibrosis sputum and depolymerization by gelsolin or thymosin beta 4. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1112, 140-53	6.5	35
77	Dapsone inhibits IL-8 secretion from human bronchial epithelial cells stimulated with lipopolysaccharide and resolves airway inflammation in the ferret. <i>Chest</i> , <b>2011</b> , 140, 980-990	5.3	33
76	Sputum processing for evaluation of inflammatory mediators. <i>Pediatric Pulmonology</i> , <b>2001</b> , 32, 152-8	3.5	33
75	Dysphagia dietary guidelines and the rheology of nutritional feeds and barium test feeds. <i>Chest</i> , <b>2008</b> , 133, 1397-1401	5.3	32

74	Use of Management Pathways or Algorithms in Children With Chronic Cough: CHEST Guideline and Expert Panel Report. <i>Chest</i> , <b>2017</b> , 151, 875-883	5.3	30
73	Management and diagnosis of psychogenic cough, habit cough, and tic cough: a systematic review. <i>Chest</i> , <b>2014</b> , 146, 355-372	5.3	30
72	Surveillance tracheal aspirate cultures do not reliably predict bacteria cultured at the time of an acute respiratory infection in children with tracheostomy tubes. <i>Chest</i> , <b>2012</b> , 141, 625-631	5.3	30
71	General anesthesia does not alter the viscoelastic or transport properties of human respiratory mucus. <i>Chest</i> , <b>1990</b> , 98, 101-4	5.3	30
70	Use of Management Pathways or Algorithms in Children With Chronic Cough: Systematic Reviews. <i>Chest</i> , <b>2016</b> , 149, 106-19	5.3	29
69	Vicks VapoRub induces mucin secretion, decreases ciliary beat frequency, and increases tracheal mucus transport in the ferret trachea. <i>Chest</i> , <b>2009</b> , 135, 143-148	5.3	28
68	Club cell 10-kDa protein attenuates airway mucus hypersecretion and inflammation. <i>European Respiratory Journal</i> , <b>2014</b> , 44, 1002-10	13.6	27
67	Cystic Fibrosis Sputum Rheology Correlates With Both Acute and Longitudinal Changes in Lung Function. <i>Chest</i> , <b>2018</b> , 154, 370-377	5.3	26
66	Aerosol Medications for Treatment of Mucus Clearance Disorders. <i>Respiratory Care</i> , <b>2015</b> , 60, 825-9; discussion 830-32	2.1	26
65	Airway Goblet Cells Secrete Pro-Inflammatory Cytokines, Chemokines, and Growth Factors. <i>Chest</i> , <b>2016</b> , 149, 714-20	5.3	25
64	Molecular principles for heparin oligosaccharide-based inhibition of neutrophil elastase in cystic fibrosis. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 12480-12490	5.4	25
63	AARC Clinical Practice Guideline: Effectiveness of Pharmacologic Airway Clearance Therapies in Hospitalized Patients. <i>Respiratory Care</i> , <b>2015</b> , 60, 1071-7	2.1	23
62	The pharmacologic approach to airway clearance: mucoactive agents. <i>Respiratory Care</i> , <b>2002</b> , 47, 818-22	2.1	23
61	A systematic review of diagnostic methods to differentiate acute lung injury/acute respiratory distress syndrome from cardiogenic pulmonary edema. <i>Critical Care</i> , <b>2017</b> , 21, 228	10.8	22
60	Secretory phospholipases A2 stimulate mucus secretion, induce airway inflammation, and produce secretory hyperresponsiveness to neutrophil elastase in ferret trachea. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2007</b> , 292, L62-7	5.8	22
59	The delivery of inhaled medication to the young child. <i>Pediatric Clinics of North America</i> , <b>2003</b> , 50, 717-31	3.6	22
58	Mucus and mucins. <i>Otolaryngologic Clinics of North America</i> , <b>2010</b> , 43, 27-34, vii-viii	2	21
57	Physical and transport properties of sputum from children with idiopathic bronchiectasis. <i>Chest</i> , <b>2008</b> , 134, 1129-1134	5.3	21

56	PCR detection of viral nucleic acid in fatal asthma: is the lower respiratory tract a reservoir for common viruses?. <i>Canadian Respiratory Journal</i> , <b>1999</b> , 6, 37-43	2.1	21
55	The pharmacologic approach to airway clearance: mucoactive agents. <i>Paediatric Respiratory Reviews</i> , <b>2006</b> , 7 Suppl 1, S215-9	4.8	20
54	Histopathology of fatal asthma: Drowning in mucus. <i>Pediatric Pulmonology</i> , <b>2001</b> , 26, 88-89	3.5	19
53	Inhibition of IL-13-induced periostin in airway epithelium attenuates cellular protein expression of MUC5AC. <i>Respirology</i> , <b>2017</b> , 22, 93-100	3.6	18
52	Thiamine before glucose to prevent Wernicke encephalopathy: examining the conventional wisdom. <i>JAMA - Journal of the American Medical Association</i> , <b>1998</b> , 279, 583-4	27.4	18
51	<i>Pseudomonas aeruginosa</i> alginate is a potent secretagogue in the isolated ferret trachea. <i>Pediatric Pulmonology</i> , <b>1999</b> , 27, 174-9	3.5	18
50	Altered protease and antiprotease balance during a COPD exacerbation contributes to mucus obstruction. <i>Respiratory Research</i> , <b>2015</b> , 16, 85	7.3	17
49	Immunomodulatory properties of macrolides: overview and historical perspective. <i>The American Journal of Medicine: Supplement</i> , <b>2004</b> , 117 Suppl 9A, 2S-4S		15
48	HO-1 inhibits IL-13-induced goblet cell hyperplasia associated with CLCA1 suppression in normal human bronchial epithelial cells. <i>International Immunopharmacology</i> , <b>2015</b> , 29, 448-453	5.8	14
47	Respiratory care year in review 2010: part 1. asthma, COPD, pulmonary function testing, ventilator-associated pneumonia. <i>Respiratory Care</i> , <b>2011</b> , 56, 488-502	2.1	14
46	Cardiac asthma: transforming growth factor- $\beta$ from the failing heart leads to squamous metaplasia in human airway cells and in the murine lung. <i>Chest</i> , <b>2012</b> , 142, 1274-1283	5.3	14
45	Mucociliary clearance, airway inflammation and nasal symptoms in urban motorcyclists. <i>Clinics</i> , <b>2014</b> , 69, 867-70	2.3	13
44	Aerosolized antibiotics for non-cystic fibrosis bronchiectasis. <i>Respiration</i> , <b>2014</b> , 88, 177-84	3.7	13
43	Thymosin beta4 sequesters actin in cystic fibrosis sputum and decreases sputum cohesivity in vitro. <i>Chest</i> , <b>2006</b> , 130, 1433-40	5.3	13
42	Oxygen With Cold Bubble Humidification Is No Better Than Dry Oxygen in Preventing Mucus Dehydration, Decreased Mucociliary Clearance, and Decline in Pulmonary Function. <i>Chest</i> , <b>2016</b> , 150, 407-14	5.3	13
41	Activating prostaglandin E2 receptor subtype EP4 increases secreted mucin from airway goblet cells. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2018</b> , 48, 117-123	3.5	12
40	The role of mucus in cough research. <i>Lung</i> , <b>2010</b> , 188 Suppl 1, S69-72	2.9	12
39	Designing clinical trials to evaluate mucus clearance therapy. <i>Respiratory Care</i> , <b>2007</b> , 52, 1348-58; discussion 1358-61	2.1	12

38	A small molecule neutrophil elastase inhibitor, KRP-109, inhibits cystic fibrosis mucin degradation. <i>Journal of Cystic Fibrosis</i> , <b>2016</b> , 15, 325-31	4.1	11
37	Clinico-pathological analysis referring hemeoxygenase-1 in acute fibrinous and organizing pneumonia patients. <i>Respiratory Medicine Case Reports</i> , <b>2015</b> , 14, 53-6	1.2	11
36	Secretory phospholipases A2 are secreted from ciliated cells and increase mucin and eicosanoid secretion from goblet cells. <i>Chest</i> , <b>2015</b> , 147, 1599-1609	5.3	10
35	Clinical Pharmacology of Bronchodilator Medications. <i>Respiratory Care</i> , <b>2018</b> , 63, 641-654	2.1	10
34	Clarithromycin attenuates IL-13-induced periostin production in human lung fibroblasts. <i>Respiratory Research</i> , <b>2017</b> , 18, 37	7.3	9
33	Dry powder aerosol containing muco-inert particles for excipient enhanced growth pulmonary drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 29, 102262	6	8
32	Clarithromycin Suppresses Chloride Channel Accessory 1 and Inhibits Interleukin-13-Induced Goblet Cell Hyperplasia in Human Bronchial Epithelial Cells. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 6585-6590	5.9	8
31	Covid-19 and the impact on young athletes. <i>Paediatric Respiratory Reviews</i> , <b>2021</b> , 39, 9-15	4.8	8
30	Neutrophil elastase correlates with increased sphingolipid content in cystic fibrosis sputum. <i>Pediatric Pulmonology</i> , <b>2018</b> , 53, 872-880	3.5	7
29	Cystic Fibrosis 2017-The Year in Review. <i>Respiratory Care</i> , <b>2018</b> , 63, 238-241	2.1	7
28	Measurement of eNO with portable analyser might improve the management of persistent cough at primary care practice in Japan. <i>Clinical Respiratory Journal</i> , <b>2016</b> , 10, 380-8	1.7	7
27	Inhaled corticosteroids: devices and deposition. <i>Paediatric Respiratory Reviews</i> , <b>2004</b> , 5 Suppl A, S103-6	4.8	7
26	Who will benefit from DNase?. <i>Pediatric Pulmonology</i> , <b>1999</b> , 27, 3-4	3.5	7
25	Tiotropium inhibits mucin production stimulated by neutrophil elastase but not by IL-13. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2018</b> , 48, 161-167	3.5	7
24	COVID-19 and respiratory support devices. <i>Paediatric Respiratory Reviews</i> , <b>2020</b> , 35, 61-63	4.8	6
23	Cystic fibrosis: myths, mistakes, and dogma. <i>Paediatric Respiratory Reviews</i> , <b>2014</b> , 15, 113-6	4.8	6
22	Overview of cystic fibrosis and non-CF bronchiectasis. <i>Seminars in Respiratory and Critical Care Medicine</i> , <b>2003</b> , 24, 619-28	3.9	6
21	Neutrophil Extracellular Traps Increase Airway Mucus Viscoelasticity and Slow Mucus Particle Transit. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2021</b> , 64, 69-78	5.7	6

20	Unmet needs in cystic fibrosis. <i>Expert Opinion on Biological Therapy</i> , <b>2018</b> , 18, 49-52	5.4	5
19	Novel medications for asthma: a look at the future. <i>Expert Opinion on Investigational Drugs</i> , <b>2007</b> , 16, 889-97	5.9	5
18	Tissue Factor Facilitates Wound Healing in Human Airway Epithelial Cells. <i>Chest</i> , <b>2019</b> , 155, 534-539	5.3	5
17	Quantitative assessment of erector spinae muscles and prognosis in elderly patients with pneumonia. <i>Scientific Reports</i> , <b>2021</b> , 11, 4319	4.9	5
16	Nebulizer therapy for children: the device-patient interface. <i>Respiratory Care</i> , <b>2002</b> , 47, 1314-9; discussion 1319-20	2.1	5
15	Asthma myths, controversies, and dogma. <i>Paediatric Respiratory Reviews</i> , <b>2015</b> , 16, 83-7	4.8	3
14	Chemotherapy with carboplatin and paclitaxel after failure of primary chemotherapy for advanced thymic carcinoma. A report of three cases and review of the literature. <i>Tumori</i> , <b>2013</b> , 99, e172-e176	1.7	3
13	What do patients want from their asthma care doctors?. <i>Paediatric Respiratory Reviews</i> , <b>2018</b> , 27, 86-89	4.8	3
12	Identifying the Best Questions for Rapid Screening of Secondhand Smoke Exposure Among Children. <i>Nicotine and Tobacco Research</i> , <b>2021</b> , 23, 1217-1223	4.9	2
11	Myths, misunderstandings, and dogma in respiratory care. <i>Respiratory Care</i> , <b>2012</b> , 57, 1314-24	2.1	2
10	Electronic cigarettes and e-cigarette/vaping product use associated lung injury (EVALI). <i>Paediatric Respiratory Reviews</i> , <b>2020</b> , 36, 87-91	4.8	1
9	Asthma 2015: The Year in Review. <i>Respiratory Care</i> , <b>2016</b> , 61, 556-9	2.1	1
8	Histopathology of fatal asthma: Drowning in mucus. <i>Pediatric Pulmonology</i> , <b>2001</b> , 32, 88-89	3.5	1
7	Polysulfated Hyaluronan GlycoMira-1111 Inhibits Elastase and Improves Rheology in Cystic Fibrosis Sputum. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2021</b> , 64, 260-267	5.7	1
6	Pulmonary Delivery of Novel Therapies		1
5	Respiratory controversies in the critical care setting. When caring for critically ill patients, do clinicians have a responsibility to be innovative and try unproven approaches when accepted approaches are failing?. <i>Respiratory Care</i> , <b>2007</b> , 52, 408-15	2.1	1
4	Commentary on Antibiotics for prolonged moist cough in children with a response from the review authors. <i>Evidence-Based Child Health: A Cochrane Review Journal</i> , <b>2012</b> , 7, 1716-1718		0
3	Translational research in pediatric pulmonary disease, 2017. <i>Clinical and Translational Medicine</i> , <b>2017</b> , 6, 12	5.7	

2 Respiratory care and cystic fibrosis. Foreward. *Respiratory Care*, **2009**, 54, 586

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1 Response. *Chest*, **2016**, 150, 750-1

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