Bruce K Rubin

List of Publications by Year
in descending order

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115 papers	5,210 citations	81900 39 h-index	95266 68 g-index
122 all docs	122 docs citations	122 times ranked	6525 citing authors

#	Article	IF	Citations
1	Mechanisms of Action and Clinical Application of Macrolides as Immunomodulatory Medications. Clinical Microbiology Reviews, 2010, 23, 590-615.	13.6	535
2	Mucins, Mucus, and Sputum. Chest, 2009, 135, 505-512.	0.8	438
3	Familial pulmonary alveolar proteinosis caused by mutations in CSF2RA . Journal of Experimental Medicine, 2008, 205, 2703-2710.	8.5	275
4	Mucins, Mucus, and Goblet Cells. Chest, 2018, 154, 169-176.	0.8	259
5	COVID-19 and telehealth, education, and research adaptations. Paediatric Respiratory Reviews, 2020, 35, 38-42.	1.8	198
6	Plastic bronchitis: new insights and a classification scheme. Paediatric Respiratory Reviews, 2005, 6, 292-300.	1.8	165
7	Mucus structure and properties in cystic fibrosis. Paediatric Respiratory Reviews, 2007, 8, 4-7.	1.8	140
8	Macrolide antibiotics modulate ERK phosphorylation and IL-8 and GM-CSF production by human bronchial epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L75-L85.	2.9	136
9	Immunomodulatory Activity and Effectiveness of Macrolides in Chronic Airway Disease. Chest, 2004, 125, 70S-78S.	0.8	130
10	AARC Clinical Practice Guideline: Effectiveness of Nonpharmacologic Airway Clearance Therapies in Hospitalized Patients. Respiratory Care, 2013, 58, 2187-2193.	1.6	125
11	Physiology of airway mucus clearance. Respiratory Care, 2002, 47, 761-8.	1.6	104
12	Efficacy of Recombinant Human Deoxyribonuclease I in the Hospital Management of Respiratory Syncytial Virus Bronchiolitis. Chest, 2001, 120, 203-208.	0.8	93
13	Management of Children With Chronic Wet Cough and Protracted Bacterial Bronchitis. Chest, 2017, 151, 884-890.	0.8	90
14	Mucolytics, expectorants, and mucokinetic medications. Respiratory Care, 2007, 52, 859-65.	1.6	88
15	The Adolescent with Asthma. Paediatric Respiratory Reviews, 2014, 15, 146-153.	1.8	75
16	Plastic Bronchitis. Clinics in Chest Medicine, 2016, 37, 405-408.	2.1	66
17	Secretion properties, clearance, and therapy in airway disease. Translational Respiratory Medicine, 2014, 2, 6.	3.8	63
18	Mucus, Phlegm, and Sputum in Cystic Fibrosis. Respiratory Care, 2009, 54, 726-732.	1.6	60

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19	Prognostic implications of aspiration pneumonia in patients with community acquired pneumonia: A systematic review with meta-analysis. Scientific Reports, 2016, 6, 38097.	3.3	59
20	Serine Proteases Degrade Airway Mucins in Cystic Fibrosis. Infection and Immunity, 2011, 79, 3438-3444.	2.2	56
21	Secretory Hyperresponsiveness and Pulmonary Mucus Hypersecretion. Chest, 2014, 146, 496-507.	0.8	56
22	Air and soul: the science and application of aerosol therapy. Respiratory Care, 2010, 55, 911-21.	1.6	56
23	Clarithromycin Inhibits Interleukin-13â€“Induced Goblet Cell Hyperplasia in Human Airway Cells. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 1075-1083.	2.9	55
24	Pediatric Aerosol Therapy: New Devices and New Drugs. Respiratory Care, 2011, 56, 1411-1423.	1.6	53
25	Aerosolized Antibiotics for Non-Cystic Fibrosis Bronchiectasis. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2008, 21, 71-76.	1.4	52
26	Optimizing aerosol delivery by pressurized metered-dose inhalers. Respiratory Care, 2005, 50, 1191-200.	1.6	51
27	How Do Patients Determine That Their Metered-Dose Inhaler Is Empty?. Chest, 2004, 126, 1134-1137.	0.8	49
28	Cystic Fibrosis Sputum Rheology Correlates With Both Acute and Longitudinal Changes in Lung Function. Chest, 2018, 154, 370-377.	0.8	48
29	Emerging aerosol drug delivery strategies: From bench to clinic. Advanced Drug Delivery Reviews, 2014, 75, 141-148.	13.7	47
30	Use of Management Pathways or Algorithms in Children With Chronic Cough. Chest, 2016, 149, 106-119.	0.8	47
31	Children With Chronic Wet or Productive Coughâ€”Treatment and Investigations. Chest, 2016, 149, 120-142.	0.8	47
32	Use of Management Pathways or Algorithms in Children With Chronic Cough. Chest, 2017, 151, 875-883.	0.8	47
33	What Does It Mean When a Patient Says, â€œMy Asthma Medication Is Not Working?â€• Chest, 2004, 126, 972-981.	0.8	45
34	Dapsone Inhibits IL-8 Secretion From Human Bronchial Epithelial Cells Stimulated With Lipopolysaccharide and Resolves Airway Inflammation in the Ferret. Chest, 2011, 140, 980-990.	0.8	45
35	Surveillance Tracheal Aspirate Cultures Do Not Reliably Predict Bacteria Cultured at the Time of an Acute Respiratory Infection in Children With Tracheostomy Tubes. Chest, 2012, 141, 625-631.	0.8	44
36	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. Annals of the New York Academy of Sciences, 2007, 1112, 140-153.	3.8	43

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37	Management and Diagnosis of Psychogenic Cough, Habit Cough, and Tic Cough. Chest, 2014, 146, 355-372.	0.8	42
38	Club cell 10-kDa protein attenuates airway mucus hypersecretion and inflammation. European Respiratory Journal, 2014, 44, 1002-1010.	6.7	41
39	A systematic review of diagnostic methods to differentiate acute lung injury/acute respiratory distress syndrome from cardiogenic pulmonary edema. Critical Care, 2017, 21, 228.	5.8	41
40	Vicks VapoRub Induces Mucin Secretion, Decreases Ciliary Beat Frequency, and Increases Tracheal Mucus Transport in the Ferret Trachea. Chest, 2009, 135, 143-148.	0.8	40
41	Young â€œHealthyâ€•Smokers Have Functional and Inflammatory Changes in the Nasal and the Lower Airways. Chest, 2014, 145, 998-1005.	0.8	40
42	Sputum processing for evaluation of inflammatory mediators. Pediatric Pulmonology, 2001, 32, 152-158.	2.0	39
43	Dysphagia Dietary Guidelines and the Rheology of Nutritional Feeds and Barium Test Feeds. Chest, 2008, 133, 1397-1401.	0.8	35
44	Molecular principles for heparin oligosaccharideâ€“based inhibition of neutrophil elastase in cystic fibrosis. Journal of Biological Chemistry, 2018, 293, 12480-12490.	3.4	34
45	The delivery of inhaled medication to the young child. Pediatric Clinics of North America, 2003, 50, 717-731.	1.8	33
46	Airway Goblet Cells Secrete Pro-Inflammatory Cytokines, Chemokines,Âand Growth Factors. Chest, 2016, 149, 714-720.	0.8	33
47	AARC Clinical Practice Guideline: Effectiveness of Pharmacologic Airway Clearance Therapies in Hospitalized Patients. Respiratory Care, 2015, 60, 1071-1077.	1.6	32
48	General Anesthesia Does Not Alter the Viscoelastic or Transport Properties of Human Respiratory Mucus. Chest, 1990, 98, 101-104.	0.8	31
49	Aerosol Medications for Treatment of Mucus Clearance Disorders. Respiratory Care, 2015, 60, 825-832.	1.6	30
50	The pharmacologic approach to airway clearance: mucoactive agents. Respiratory Care, 2002, 47, 818-22.	1.6	29
51	PCR Detection of Viral Nucleic Acid in Fatal Asthma: Is the Lower Respiratory Tract a Reservoir for Common Viruses?. Canadian Respiratory Journal, 1999, 6, 37-43.	1.6	27
52	The pharmacologic approach to airway clearance: Mucoactive agents. Paediatric Respiratory Reviews, 2006, 7, S215-S219.	1.8	27
53	Inhibition of ILâ€13â€induced periostin in airway epithelium attenuates cellular protein expression of MUC5AC. Respirology, 2017, 22, 93-100.	2.3	27
54	Secretory phospholipases A2 stimulate mucus secretion, induce airway inflammation, and produce secretory hyperresponsiveness to neutrophil elastase in ferret trachea. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L62-L67.	2.9	26

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55	Clinical Pharmacology of Bronchodilator Medications. Respiratory Care, 2018, 63, 641-654.	1.6	26
56	Immunomodulatory properties of macrolides: Overview and historical perspective. The American Journal of Medicine: Supplement, 2004, 117, 2-4.	1.6	25
57	Physical and Transport Properties of Sputum From Children With Idiopathic Bronchiectasis. Chest, 2008, 134, 1129-1134.	0.8	25
58	â€˜Clear-ability' and Clarity in Medical Writingâ€”Reply. JAMA - Journal of the American Medical Association, 1998, 279, 583.	7.4	23
59	Mucus and Mucins. Otolaryngologic Clinics of North America, 2010, 43, 27-34.	1.1	23
60	Altered protease and antiprotease balance during a COPD exacerbation contributes to mucus obstruction. Respiratory Research, 2015, 16, 85.	3.6	23
61	Neutrophil Extracellular Traps Increase Airway Mucus Viscoelasticity and Slow Mucus Particle Transit. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 69-78.	2.9	23
62	Covid-19 and the impact on young athletes. Paediatric Respiratory Reviews, 2021, 39, 9-15.	1.8	22
63	Oxygen With Cold Bubble Humidification Is No Better Than Dry Oxygen in Preventing Mucus Dehydration, Decreased Mucociliary Clearance, and Decline in Pulmonary Function. Chest, 2016, 150, 407-414.	0.8	21
64	Histopathology of fatal asthma: Drowning in mucus. Pediatric Pulmonology, 2001, 26, 88-89.	2.0	20
65	Pseudomonas aeruginosa alginate is a potent secretagogue in the isolated ferret trachea. , 1999, 27, 174-179.		18
66	BRONCHIAL THERMOPLASTY IMPROVES ASTHMA STATUS OF MODERATE-TO-SEVERE PERSISTENT ASTHMATICS OVER AND ABOVE CURRENT STANDARD-OF-CARE. Chest, 2006, 130, 162S.	0.8	18
67	Quantitative assessment of erector spinae muscles and prognosis in elderly patients with pneumonia. Scientific Reports, 2021, 11, 4319.	3.3	18
68	HO-1 inhibits IL-13-induced goblet cell hyperplasia associated with CLCA1 suppression in normal human bronchial epithelial cells. International Immunopharmacology, 2015, 29, 448-453.	3.8	17
69	The Role of Mucus in Cough Research. Lung, 2010, 188, 69-72.	3.3	16
70	Cardiac Asthma. Chest, 2012, 142, 1274-1283.	0.8	16
71	Mucociliary clearance, airway inflammation and nasal symptoms in urban motorcyclists. Clinics, 2014, 69, 867-870.	1.5	16
72	Aerosolized Antibiotics for Non-Cystic Fibrosis Bronchiectasis. Respiration, 2014, 88, 177-184.	2.6	16

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73	Activating prostaglandin E2 receptor subtype EP4 increases secreted mucin from airway goblet cells. Pulmonary Pharmacology and Therapeutics, 2018, 48, 117-123.	2.6	16
74	Who will benefit from DNase?. , 1999, 27, 3-4.		15
75	Respiratory Care Year in Review 2010: Part 1. Asthma, COPD, Pulmonary Function Testing, Ventilator-Associated Pneumonia. Respiratory Care, 2011, 56, 488-502.	1.6	15
76	Designing clinical trials to evaluate mucus clearance therapy. Respiratory Care, 2007, 52, 1348-58; discussion 1358-61.	1.6	15
77	Secretory Phospholipases A 2 Are Secreted From Ciliated Cells and Increase Mucin and Eicosanoid Secretion From Goblet Cells. Chest, 2015, 147, 1599-1609.	0.8	14
78	Clarithromycin attenuates IL-13â€“induced periostin production in human lung fibroblasts. Respiratory Research, 2017, 18, 37.	3.6	13
79	COVID-19 and respiratory support devices. Paediatric Respiratory Reviews, 2020, 35, 61-63.	1.8	13
80	Tissue Factor Facilitates Wound Healing inÂHuman Airway Epithelial Cells. Chest, 2019, 155, 534-539.	0.8	12
81	Clinico-pathological analysis referring hemeoxygenase-1 in acute fibrinous and organizing pneumonia patients. Respiratory Medicine Case Reports, 2015, 14, 53-56.	0.4	11
82	Clarithromycin Suppresses Chloride Channel Accessory 1 and Inhibits Interleukin-13-Induced Goblet Cell Hyperplasia in Human Bronchial Epithelial Cells. Antimicrobial Agents and Chemotherapy, 2016, 60, 6585-6590.	3.2	11
83	Measurement of <scp>eNO</scp> with portable analyser might improve the management of persistent cough at primary care practice in <scp>J</scp>apan. Clinical Respiratory Journal, 2016, 10, 380-388.	1.6	11
84	A small molecule neutrophil elastase inhibitor, KRP-109, inhibits cystic fibrosis mucin degradation. Journal of Cystic Fibrosis, 2016, 15, 325-331.	0.7	11
85	Tiotropium inhibits mucin production stimulated by neutrophil elastase but not by IL-13. Pulmonary Pharmacology and Therapeutics, 2018, 48, 161-167.	2.6	11
86	Dry powder aerosol containing muco-inert particles for excipient enhanced growth pulmonary drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102262.	3.3	11
87	Cystic Fibrosis 2017â€”The Year in Review. Respiratory Care, 2018, 63, 238-241.	1.6	10
88	Overview of Cystic Fibrosis and Non-CF Bronchiectasis. Seminars in Respiratory and Critical Care Medicine, 2003, 24, 619-628.	2.1	9
89	Cystic fibrosis: Myths. mistakes, and dogma. Paediatric Respiratory Reviews, 2014, 15, 113-116.	1.8	9
90	Asthma myths, controversies, and dogma. Paediatric Respiratory Reviews, 2015, 16, 83-87.	1.8	8

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91	Inhaled corticosteroids: devices and deposition. Paediatric Respiratory Reviews, 2004, 5, S103-S106.	1.8	7
92	Neutrophil elastase correlates with increased sphingolipid content in cystic fibrosis sputum. Pediatric Pulmonology, 2018, 53, 872-880.	2.0	7
93	Electronic cigarettes and e-cigarette/vaping product use associated lung injury (EVALI). Paediatric Respiratory Reviews, 2020, 36, 87-91.	1.8	7
94	Histopathology of fatal asthma: Drowning in mucus. Pediatric Pulmonology, 2001, 32, 88-89.	2.0	6
95	Novel medications for asthma: a look at the future. Expert Opinion on Investigational Drugs, 2007, 16, 889-897.	4.1	6
96	Chemotherapy with carboplatin and paclitaxel after failure of primary chemotherapy for advanced thymic carcinoma. A report of three cases and review of the literature. Tumori, 2013, 99, e172-e176.	1.1	6
97	Unmet needs in cystic fibrosis. Expert Opinion on Biological Therapy, 2018, 18, 49-52.	3.1	6
98	Myths, Misunderstandings, and Dogma in Respiratory Care. Respiratory Care, 2012, 57, 1314-1324.	1.6	6
99	Dropping acid: why is cystic fibrosis mucus abnormal?. European Respiratory Journal, 2018, 52, 1802057.	6.7	5
100	Nebulizer therapy for children: the device-patient interface. Respiratory Care, 2002, 47, 1314-9; discussion 1319-20.	1.6	5
101	What do patients want from their asthma care doctors?. Paediatric Respiratory Reviews, 2018, 27, 86-89.	1.8	4
102	Identifying the Best Questions for Rapid Screening of Secondhand Smoke Exposure Among Children. Nicotine and Tobacco Research, 2021, 23, 1217-1223.	2.6	4
103	â€œThe Cruelest Lies Are Often Told in Silenceâ€. Chest, 2011, 140, 567.	0.8	2
104	Polysulfated Hyaluronan GlycoMira-1111 Inhibits Elastase and Improves Rheology in Cystic Fibrosis Sputum. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 260-267.	2.9	2
105	Pediatric Chair Turnover and Demographics. Journal of Pediatrics, 2022, 242, 4-7.e3.	1.8	2
106	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?. Respiratory Care, 2007, 52, 408-15.	1.6	2
107	Commentary on â€˜Antibiotics for prolonged moist cough in childrenâ€™ with a response from the review authors. Evidence-Based Child Health: A Cochrane Review Journal, 2012, 7, 1716-1718.	2.0	1
108	Asthma 2015: The Year in Review. Respiratory Care, 2016, 61, 556-559.	1.6	1

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109	A tale of lungs, loogies, and lymphatics. Paediatric Respiratory Reviews, 2020, 36, 1.	1.8	1
110	COVID-19 changed times shaping the future. Paediatric Respiratory Reviews, 2020, 35, 1-2.	1.8	1
111	Response. Chest, 2016, 150, 750-751.	0.8	0
112	Draining the Swamp. Respiratory Care, 2017, 62, 639-640.	1.6	0
113	Translational research in pediatric pulmonary disease, 2017. Clinical and Translational Medicine, 2017, 6, 12.	4.0	0
114	The guardians of the airway. Paediatric Respiratory Reviews, 2021, 38, 1.	1.8	0
115	Respiratory Care and Cystic Fibrosis. Respiratory Care, 2009, 54, 586-586.	1.6	0