

Neil R Macintyre

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

6,868
citations

172457

29
h-index

60623

81
g-index

103
all docs

103
docs citations

103
times ranked

6472
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher versus Lower Positive End-Expiratory Pressures in Patients with the Acute Respiratory Distress Syndrome. <i>New England Journal of Medicine</i> , 2004, 351, 327-336.	27.0	2,302
2	Evidence-Based Guidelines for Weaning and Discontinuing Ventilatory Support. <i>Chest</i> , 2001, 120, 375S-395S.	0.8	1,080
3	2017 ERS/ATS standards for single-breath carbon monoxide uptake in the lung. <i>European Respiratory Journal</i> , 2017, 49, 1600016.	6.7	543
4	Recommendations for a Standardized Pulmonary Function Report. An Official American Thoracic Society Technical Statement. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1463-1472.	5.6	450
5	Management of Patients Requiring Prolonged Mechanical Ventilation. <i>Chest</i> , 2005, 128, 3937-3954.	0.8	432
6	Patient-Ventilator Interactions. Implications for Clinical Management. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 1058-1068.	5.6	120
7	Acute Exacerbations and Respiratory Failure in Chronic Obstructive Pulmonary Disease. <i>Proceedings of the American Thoracic Society</i> , 2008, 5, 530-535.	3.5	113
8	Discontinuing Mechanical Ventilatory Support. <i>Chest</i> , 2007, 132, 1049-1056.	0.8	111
9	Effects of Initial Flow Rate and Breath Termination Criteria on Pressure Support Ventilation. <i>Chest</i> , 1991, 99, 134-138.	0.8	98
10	Patient-ventilator flow dyssynchrony. <i>Critical Care Medicine</i> , 1997, 25, 1671-1677.	0.9	92
11	Applied PEEP During Pressure Support Reduces the Inspiratory Threshold Load of Intrinsic PEEP. <i>Chest</i> , 1997, 111, 188-193.	0.8	90
12	Perfluoropropane Gas as a Magnetic Resonance Lung Imaging Contrast Agent in Humans. <i>Chest</i> , 2013, 144, 1300-1310.	0.8	76
13	Tissue Hypoxia: Implications for the Respiratory Clinician. <i>Respiratory Care</i> , 2014, 59, 1590-1596.	1.6	76
14	Prediction of Acute Respiratory Disease in Current and Former Smokers With and Without COPD. <i>Chest</i> , 2014, 146, 941-950.	0.8	71
15	Physiologic Effects of Noninvasive Ventilation. <i>Respiratory Care</i> , 2019, 64, 617-628.	1.6	64
16	Patient and Ventilator Work of Breathing and Ventilatory Muscle Loads at Different Levels of Pressure Support Ventilation. <i>Chest</i> , 1991, 100, 531-533.	0.8	60
17	Evidence-Based Assessments in the Ventilator Discontinuation Process. <i>Respiratory Care</i> , 2012, 57, 1611-1618.	1.6	59
18	Chronic Critical Illness: The Growing Challenge to Health Care. <i>Respiratory Care</i> , 2012, 57, 1021-1027.	1.6	58

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19	Diffusing Capacity of Carbon Monoxide in Assessment of COPD. <i>Chest</i> , 2019, 156, 1111-1119.	0.8	58
20	Evidence-based ventilator weaning and discontinuation. <i>Respiratory Care</i> , 2004, 49, 830-6.	1.6	48
21	Restoring Pulmonary and Sleep Services as the COVID-19 Pandemic Lessens. From an Association of Pulmonary, Critical Care, and Sleep Division Directors and American Thoracic Society coordinated Task Force. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1343-1351.	3.2	47
22	Executive Summary: 2017 ERS/ATS standards for single-breath carbon monoxide uptake in the lung. <i>European Respiratory Journal</i> , 2017, 49, 16E0016.	6.7	45
23	Current Issues in Mechanical Ventilation for Respiratory Failure. <i>Chest</i> , 2005, 128, 561S-567S.	0.8	43
24	Mechanical Loads on the Ventilatory Muscles: A Theoretical Analysis. <i>The American Review of Respiratory Disease</i> , 1989, 139, 968-973.	2.9	39
25	Patient-ventilator synchrony during pressure-targeted versus flow-targeted small tidal volume assisted ventilation. <i>Journal of Critical Care</i> , 2007, 22, 252-257.	2.2	34
26	Respiratory controversies in the critical care setting. Does airway pressure release ventilation offer important new advantages in mechanical ventilator support?. <i>Respiratory Care</i> , 2007, 52, 452-8; discussion 458-60.	1.6	32
27	The Ventilator Discontinuation Process: An Expanding Evidence Base Discussion. <i>Respiratory Care</i> , 2013, 58, 1074-1086.	1.6	31
28	Patient-Ventilator Interactions: Optimizing Conventional Ventilation Modes. <i>Respiratory Care</i> , 2011, 56, 73-84.	1.6	30
29	Supporting Oxygenation in Acute Respiratory Failure. <i>Respiratory Care</i> , 2013, 58, 142-150.	1.6	29
30	Mechanisms of functional loss in patients with chronic lung disease. <i>Respiratory Care</i> , 2008, 53, 1177-84.	1.6	28
31	Ventilator Discontinuation: Why Are We Still Weaning?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 392-394.	5.6	26
32	Relationship between diffusion capacity and small airway abnormality in COPD Gene. <i>Respiratory Research</i> , 2019, 20, 269.	3.6	26
33	Low Tidal Volumes for Everyone?. <i>Chest</i> , 2019, 156, 783-791.	0.8	24
34	Muscle dysfunction associated with chronic obstructive pulmonary disease. <i>Respiratory Care</i> , 2006, 51, 840-7; discussion 848-52.	1.6	24
35	Serum IgG Levels and Risk of COPD Hospitalization. <i>Chest</i> , 2020, 158, 1420-1430.	0.8	22
36	Respiratory mechanics in the patient who is weaning from the ventilator. <i>Respiratory Care</i> , 2005, 50, 275-86; discussion 284-6.	1.6	20

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37	Cost-effectiveness of Pulmonary Rehabilitation Among US Adults With Chronic Obstructive Pulmonary Disease. JAMA Network Open, 2022, 5, e2218189.	5.9	18
38	Clinical Management Strategies for Airway Pressure Release Ventilation: A Survey of Clinical Practice. Respiratory Care, 2017, 62, 1264-1268.	1.6	17
39	Counterpoint: Is Pressure Assist-Control Preferred Over Volume Assist-Control Mode for Lung Protective Ventilation in Patients With ARDS? No. Chest, 2011, 140, 290-292.	0.8	16
40	Should High-Frequency Ventilation in the Adult Be Abandoned?. Respiratory Care, 2016, 61, 791-800.	1.6	16
41	Analysis of Radial Artery Catheter Placement by Respiratory Therapists Using Ultrasound Guidance. Respiratory Care, 2014, 59, 1813-1816.	1.6	15
42	Respiratory Care Year in Review 2010: Part 2. Invasive Mechanical Ventilation, Noninvasive Ventilation, Pediatric Mechanical Ventilation, Aerosol Therapy. Respiratory Care, 2011, 56, 667-680.	1.6	13
43	The Future of Pulmonary Function Testing. Respiratory Care, 2012, 57, 154-164.	1.6	13
44	Design Features of Modern Mechanical Ventilators. Clinics in Chest Medicine, 2016, 37, 607-613.	2.1	13
45	Ventilator Advisory System Employing Load and Tolerance Strategy Recommends Appropriate Pressure Support Ventilation Settings. Chest, 2008, 133, 697-703.	0.8	12
46	Should Early Mobilization Be Routine in Mechanically Ventilated Patients?. Respiratory Care, 2016, 61, 867-875.	1.6	12
47	<i>D</i> _{LCO} : adjust for lung volume, standardised reporting and interpretation. European Respiratory Journal, 2017, 50, 1701144.	6.7	12
48	Fifty Years of Mechanical Ventilation—1970s to 2020. Critical Care Medicine, 2021, 49, 558-574.	0.9	12
49	Is There a Best Way to Set Positive Expiratory-End Pressure for Mechanical Ventilatory Support in Acute Lung Injury?. Clinics in Chest Medicine, 2008, 29, 233-239.	2.1	11
50	Ventilator discontinuation process: Evidence and guidelines*. Critical Care Medicine, 2008, 36, 329-330.	0.9	11
51	Ventilator-associated pneumonia: the role of ventilator management strategies. Respiratory Care, 2005, 50, 766-72; discussion 772-3.	1.6	11
52	Application of Machine Learning in Pulmonary Function Assessment Where Are We Now and Where Are We Going?. Frontiers in Physiology, 2021, 12, 678540.	2.8	10
53	Is There a Best Way to Set Tidal Volume for Mechanical Ventilatory Support?. Clinics in Chest Medicine, 2008, 29, 225-231.	2.1	9
54	Aerosol delivery through an artificial airway. Respiratory Care, 2002, 47, 1279-88; discussion 1285-9.	1.6	9

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55	Spirometry for the diagnosis and management of chronic obstructive pulmonary disease. <i>Respiratory Care</i> , 2009, 54, 1050-7.	1.6	8
56	Discontinuing Mechanical Ventilatory Support. <i>Chest</i> , 2006, 130, 1635-1636.	0.8	7
57	Point: Should Positive End-Expiratory Pressure in Patients With ARDS Be Set on Oxygenation? Yes. <i>Chest</i> , 2012, 141, 1379-1382.	0.8	7
58	Lung Protective Ventilator Strategies. <i>Critical Care Medicine</i> , 2016, 44, 244-245.	0.9	7
59	Titrating Oxygen Requirements During Exercise. <i>Chest</i> , 2018, 153, 922-928.	0.8	7
60	Unanticipated Respiratory Compromise and Unplanned Intubations on General Medical and Surgical Floors. <i>Respiratory Care</i> , 2020, 65, 1233-1240.	1.6	7
61	Setting the frequency-tidal volume pattern. <i>Respiratory Care</i> , 2002, 47, 266-74; discussion 274-8.	1.6	7
62	Is there a role for screening spirometry?. <i>Respiratory Care</i> , 2010, 55, 35-42.	1.6	7
63	Ventilatory Management of ALI/ARDS. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2006, 27, 396-403.	2.1	6
64	Respiratory Care Year in Review 2011: Long-Term Oxygen Therapy, Pulmonary Rehabilitation, Airway Management, Acute Lung Injury, Education, and Management. <i>Respiratory Care</i> , 2012, 57, 590-606.	1.6	6
65	Haemoglobin as a biomarker for clinical outcomes in chronic obstructive pulmonary disease. <i>ERJ Open Research</i> , 2021, 7, 00068-2021.	2.6	6
66	Respiratory system simulations and modeling. <i>Respiratory Care</i> , 2004, 49, 401-8; discussion 408-9.	1.6	6
67	Respiratory therapies in the critical care setting. Should aerosolized antibiotics be administered to prevent or treat ventilator-associated pneumonia in patients who do not have cystic fibrosis?. <i>Respiratory Care</i> , 2007, 52, 416-21; discussion 421-2.	1.6	6
68	Are there benefits or harm from pressure targeting during lung-protective ventilation?. <i>Respiratory Care</i> , 2010, 55, 175-80; discussion 180-3.	1.6	6
69	Corticosteroid therapy and chronic obstructive pulmonary disease. <i>Respiratory Care</i> , 2006, 51, 289-96.	1.6	5
70	Ventilator Management Guided by Driving Pressure. <i>Critical Care Medicine</i> , 2018, 46, 338-339.	0.9	4
71	Chronic obstructive pulmonary disease: emerging medical therapies. <i>Respiratory Care</i> , 2004, 49, 64-9; discussion 69-71.	1.6	4
72	Initial Ventilator Settings in the Emergency Department. <i>Annals of Emergency Medicine</i> , 2017, 69, 266-267.	0.6	3

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73	Another Look at Outcomes from Mechanical Ventilation. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 710-711.	5.6	3
74	Principles of Mechanical Ventilation. , 2010, , 2084-2103.		3
75	Airway pressure release ventilation: a step forward?. Intensive Care Medicine, 2018, 44, 272-272.	8.2	2
76	Toward Reducing COPD Hospitalization. Respiratory Care, 2020, 65, 127-128.	1.6	2
77	Impact of a Formal Research Committee on Respiratory Therapistsâ€™ Publications. Respiratory Care, 2021, 66, 1229-1233.	1.6	2
78	Hypercapnia in Advanced Chronic Obstructive Pulmonary Disease: A Secondary Analysis of the National Emphysema Treatment Trial. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2020, 7, 336-345.	0.7	2
79	Pulmonary function testing: coding and billing issues. Respiratory Care, 2003, 48, 786-90.	1.6	2
80	The ?best? tidal volume for managing acute lung injury/acute respiratory distress syndrome. Respiratory Care Clinics of North America, 2004, 10, 309-315.	0.5	1
81	Setting the positive expiratory-end pressure?F in acute lung injury/acute respiratory distress syndrome. Respiratory Care Clinics of North America, 2004, 10, 301-308.	0.5	1
82	Oxygen. Critical Care Medicine, 2016, 44, 641.	0.9	1
83	Spontaneous Breathing During Mechanical Ventilation: A Two-Edged Sword*. Critical Care Medicine, 2016, 44, 1625-1626.	0.9	1
84	Humidified High-Flow Nasal Cannula Oxygenâ€™More Than Just Supplemental Oxygen*. Critical Care Medicine, 2017, 45, 2103-2104.	0.9	1
85	COUNTERPOINT: Should Computerized Protocols Replace Physicians for Managing Mechanical Ventilation? No. Chest, 2018, 154, 481-484.	0.8	1
86	Managing Patient-Ventilator Dyssynchrony*. Critical Care Medicine, 2021, 49, 2149-2151.	0.9	1
87	Imaging ventilation using 19F perfluorinated gas magnetic resonance imaging: strategies for imaging collateral ventilation. Journal of Lung, Pulmonary & Respiratory Research, 2021, 8, 41-45.	0.3	1
88	Take a Deep Breathâ€™or Not*. Critical Care Medicine, 2015, 43, 2021-2022.	0.9	0
89	Measuring Clinical Performance. Critical Care Medicine, 2016, 44, 1230.	0.9	0
90	Evolving Concepts in Mechanical Ventilation. Clinics in Chest Medicine, 2016, 37, xiii.	2.1	0

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91	Airway Pressure Release Ventilation Letterâ€™Reply. Respiratory Care, 2018, 63, 128-129.	1.6	0
92	Rebuttal From Dr MacIntyre. Chest, 2018, 154, 485-486.	0.8	0
93	Cut to the Chase. Chest, 2020, 158, 435-436.	0.8	0
94	Evaluation of a novel endotracheal tube suctioning system incorporating an inflatable sweeper. Canadian Journal of Respiratory Therapy, 2021, 57, 138-142.	0.8	0
95	Accurately Diagnosing COPD: A Clinical Challenge With Important Consequences. Respiratory Care, 2021, 66, 173-174.	1.6	0
96	Diffusing Capacity of the Lungs for Carbon Monoxide Test. JAMA - Journal of the American Medical Association, 2022, 327, 480.	7.4	0
97	The 23rd annual New Horizons Symposium. Pulmonary rehabilitation: the expanding evidence base. Foreword. Respiratory Care, 2008, 53, 1176.	1.6	0
98	Respiratory care controversies II. Respiratory Care, 2010, 55, 34.	1.6	0