

Raed A Dweik

List of Publications by Year in descending order

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74
papers

5,019
citations

186265
28
h-index

88630
70
g-index

74
all docs

74
docs citations

74
times ranked

6924
citing authors

#	ARTICLE	IF	CITATIONS
1	An Official ATS Clinical Practice Guideline: Interpretation of Exhaled Nitric Oxide Levels (F _e NO) for Clinical Applications. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 602-615.	5.6	2,047
2	Detection of Lung Cancer by Sensor Array Analyses of Exhaled Breath. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 1286-1291.	5.6	514
3	Alterations of cellular bioenergetics in pulmonary artery endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1342-1347.	7.1	342
4	Use of Exhaled Nitric Oxide Measurement to Identify a Reactive, at-Risk Phenotype among Patients with Asthma. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 1033-1041.	5.6	252
5	The Breathprints in Patients With Liver Disease Identify Novel Breath Biomarkers in Alcoholic Hepatitis. Clinical Gastroenterology and Hepatology, 2014, 12, 516-523.	4.4	94
6	Cardiovascular Biomarkers in Exhaled Breath. Progress in Cardiovascular Diseases, 2012, 55, 34-43.	3.1	91
7	Exhaled breath analysis: the new frontier in medical testing. Journal of Breath Research, 2008, 2, 030301.	3.0	83
8	Analysis of breath volatile organic compounds as a noninvasive tool to diagnose nonalcoholic fatty liver disease in children. European Journal of Gastroenterology and Hepatology, 2014, 26, 82-87.	1.6	82
9	Isoprene in the Exhaled Breath is a Novel Biomarker for Advanced Fibrosis in Patients with Chronic Liver Disease: A Pilot Study. Clinical and Translational Gastroenterology, 2015, 6, e112.	2.5	79
10	Strategic Plan for Lung Vascular Research. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1554-1562.	5.6	73
11	Prevalence, Predictors, and Outcomes of Pulmonary Hypertension in CKD. Journal of the American Society of Nephrology: JASN, 2016, 27, 877-886.	6.1	71
12	An Official American Thoracic Society Statement: Pulmonary Hypertension Phenotypes. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 345-355.	5.6	70
13	Single Exhaled Breath Metabolomic Analysis Identifies Unique Breathprint in Patients With Acute Decompensated Heart Failure. Journal of the American College of Cardiology, 2013, 61, 1463-1464.	2.8	68
14	The Rise and Fall of Hyaluronan in Respiratory Diseases. International Journal of Cell Biology, 2015, 2015, 1-15.	2.5	62
15	Determinants of Exhaled Breath Condensate pH in a Large Population With Asthma. Chest, 2011, 139, 328-336.	0.8	61
16	Clinical Characterization and Survival of Patients with Borderline Elevation in Pulmonary Artery Pressure. Pulmonary Circulation, 2013, 3, 916-925.	1.7	49
17	TGF- β -Linked β -N-Acetylglucosamine Transferase Directs Cell Proliferation in Idiopathic Pulmonary Arterial Hypertension. Circulation, 2015, 131, 1260-1268.	1.6	48
18	Primary pulmonary hypertension: an overview of epidemiology and pathogenesis.. Cleveland Clinic Journal of Medicine, 2003, 70, S2-S2.	1.3	46

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19	Outcomes of β -blocker use in pulmonary arterial hypertension: a propensity-matched analysis. <i>European Respiratory Journal</i> , 2015, 46, 750-760.	6.7	43
20	Breath Analysis in Pulmonary Arterial Hypertension. <i>Chest</i> , 2014, 145, 551-558.	0.8	39
21	Hypertensive Urgency Induced by an Interaction of Mirtazapine and Clonidine. <i>Pharmacotherapy</i> , 2000, 20, 476-478.	2.6	38
22	Shot-noise Limited Faraday Rotation Spectroscopy for Detection of Nitric Oxide Isotopes in Breath, Urine and Blood. <i>Scientific Reports</i> , 2015, 5, 9096.	3.3	38
23	Modification of Hyaluronan by Heavy Chains of Inter- α -Inhibitor in Idiopathic Pulmonary Arterial Hypertension. <i>Journal of Biological Chemistry</i> , 2014, 289, 6791-6798.	3.4	36
24	Abnormal Glucose Metabolism and High-Energy Expenditure in Idiopathic Pulmonary Arterial Hypertension. <i>Annals of the American Thoracic Society</i> , 2017, 14, 190-199.	3.2	36
25	Pulmonary hypertension and the search for the selective pulmonary vasodilator. <i>Lancet</i> , The, 2002, 360, 886-887.	13.7	32
26	Breath Metabolomics Provides an Accurate and Noninvasive Approach for Screening Cirrhosis, Primary, and Secondary Liver Tumors. <i>Hepatology Communications</i> , 2020, 4, 1041-1055.	4.3	32
27	Informing Healthcare Decisions with Observational Research Assessing Causal Effect. An Official American Thoracic Society Research Statement. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 14-23.	5.6	32
28	Non-invasive screening for pulmonary hypertension in idiopathic pulmonary fibrosis. <i>Respiratory Medicine</i> , 2016, 117, 65-72.	2.9	30
29	High Levels of Exhaled Nitric Oxide (NO) and NO Synthase III Expression in Lesional Smooth Muscle in Lymphangioliomyomatosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2001, 24, 414-418.	2.9	28
30	Analysis of breath volatile organic compounds in children with chronic liver disease compared to healthy controls. <i>Journal of Breath Research</i> , 2015, 9, 026002.	3.0	28
31	Prognostic Value of Echocardiographic Changes in Patients with Pulmonary Arterial Hypertension Receiving Parenteral Prostacyclin Therapy. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 733-741.e2.	2.8	27
32	Serum Chloride Levels Track With Survival in Patients With Pulmonary Arterial Hypertension. <i>Chest</i> , 2018, 154, 541-549.	0.8	24
33	Mitochondrial Haplogroups and Risk of Pulmonary Arterial Hypertension. <i>PLoS ONE</i> , 2016, 11, e0156042.	2.5	23
34	Bone Morphogenic Protein Type 2 Receptor Mutation-Independent Mechanisms of Disrupted Bone Morphogenetic Protein Signaling in Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 564-575.	2.9	22
35	A Distinct Colon-Derived Breath Metabolome is Associated with Inflammatory Bowel Disease, but not its Complications. <i>Clinical and Translational Gastroenterology</i> , 2016, 7, e201.	2.5	21
36	Specific O-GlcNAc modification at Ser-615 modulates eNOS function. <i>Redox Biology</i> , 2020, 36, 101625.	9.0	21

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37	Heart Rate Recovery is an Important Predictor of Outcomes in Patients with Connective Tissue Disease—Associated Pulmonary Hypertension. <i>Pulmonary Circulation</i> , 2015, 5, 565-576.	1.7	20
38	Changes in main pulmonary artery diameter during follow-up have prognostic implications in pulmonary arterial hypertension. <i>Respirology</i> , 2017, 22, 1649-1655.	2.3	19
39	O-GlcNAc Transferase Regulates Angiogenesis in Idiopathic Pulmonary Arterial Hypertension. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6299.	4.1	19
40	The scientific rationale for the use of simple masks or improvised facial coverings to trap exhaled aerosols and possibly reduce the breathborne spread of COVID-19. <i>Journal of Breath Research</i> , 2020, 14, 030201.	3.0	18
41	Hypoxemia in patients with idiopathic or heritable pulmonary arterial hypertension. <i>PLoS ONE</i> , 2018, 13, e0191869.	2.5	17
42	Isolation and analysis of sugar nucleotides using solid phase extraction and fluorophore assisted carbohydrate electrophoresis. <i>MethodsX</i> , 2016, 3, 251-260.	1.6	16
43	Assessing the kinetics of microbubble appearance in cirrhotic patients using transthoracic saline contrast-enhanced echocardiography. <i>Echocardiography</i> , 2017, 34, 1439-1446.	0.9	14
44	Plasma levels of high density lipoprotein cholesterol and outcomes in chronic thromboembolic pulmonary hypertension. <i>PLoS ONE</i> , 2018, 13, e0197700.	2.5	14
45	What is the best approach to a high systolic pulmonary artery pressure on echocardiography?. <i>Cleveland Clinic Journal of Medicine</i> , 2016, 83, 256-260.	1.3	14
46	Leptin deficiency recapitulates the histological features of pulmonary arterial hypertension in mice. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 1935-46.	0.5	13
47	Molecular breath analysis identifies the breathprint of renal failure. <i>Journal of Breath Research</i> , 2017, 11, 026009.	3.0	12
48	Bariatric surgery in patients with pulmonary hypertension. <i>Surgery for Obesity and Related Diseases</i> , 2018, 14, 1581-1586.	1.2	12
49	Treprostinil Iontophoresis in Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1014-1016.	5.6	11
50	Novel Methods in Pulmonary Hypertension Phenotyping in the Age of Precision Medicine (2015 Grover) Tj ETQq0 0,0,rgBT /Overlock 10	1.7	11
51	Mixed Venous Oxygen Saturation Is a Better Prognosticator Than Cardiac Index in Pulmonary Arterial Hypertension. <i>Chest</i> , 2020, 158, 2546-2555.	0.8	11
52	Platelet glycolytic metabolism correlates with hemodynamic severity in pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L562-L569.	2.9	11
53	Heart rate slopes during 6-min walk test in pulmonary arterial hypertension, other lung diseases, and healthy controls. <i>Physiological Reports</i> , 2014, 2, e12038.	1.7	10
54	Evaluation of left ventricular diastolic function profile in patients with pulmonary hypertension due to heart failure with preserved ejection fraction. <i>Clinical Cardiology</i> , 2017, 40, 356-363.	1.8	9

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55	Breath analysis in gastrointestinal graft-versus-host disease after allogeneic hematopoietic cell transplantation. <i>Blood Advances</i> , 2019, 3, 2732-2737.	5.2	9
56	Impact of Esophageal Pressure Measurement on Pulmonary Hypertension Diagnosis in Patients With Obesity. <i>Chest</i> , 2022, 162, 684-692.	0.8	9
57	Portable Breath Monitoring: A New Frontier in Personalized Health Care. <i>Electrochemical Society Interface</i> , 2016, 25, 63-67.	0.4	8
58	Is Pulmonary Hypertension a Metabolic Disease?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 973-975.	5.6	7
59	Gasometric gradients between blood obtained from the pulmonary artery wedge and pulmonary artery positions in pulmonary arterial hypertension. <i>Respiratory Research</i> , 2019, 20, 6.	3.6	6
60	Abnormal levels of apolipoprotein Aâ€œ in chronic thromboembolic pulmonary hypertension. <i>Pulmonary Circulation</i> , 2021, 11, 1-7.	1.7	6
61	Pulmonary Hypertension and Precision Medicine through the â€œOmicsâ€œ-Looking Glass. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1558-1560.	5.6	5
62	A pilot study on the kinetics of metabolites and microvascular cutaneous effects of nitric oxide inhalation in healthy volunteers. <i>PLoS ONE</i> , 2019, 14, e0221777.	2.5	5
63	Comparison of volatile organic compound profiles in exhaled breath versus plasma headspace in different diseases. <i>Journal of Breath Research</i> , 2020, 14, 036003.	3.0	5
64	Do single or sequential measurements of leptin and adiponectin in plasma have prognostic value in pulmonary arterial hypertension?. <i>Pulmonary Circulation</i> , 2017, 7, 727-729.	1.7	4
65	Is pulmonary vascular resistance index better than pulmonary vascular resistance in predicting outcomes in pulmonary arterial hypertension?. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 614-622.	0.6	4
66	Surge capacity and capability of intensive care units across a large healthcare system: An operational blueprint for regional integration. <i>American Journal of Disaster Medicine</i> , 2021, 16, 179-192.	0.3	4
67	Update on Pulmonary Vascular Diseases 2010. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 26-31.	5.6	3
68	Why patients who die of worsening pulmonary arterial hypertension are not on parenteral prostacyclin analog treatment?. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 221.	0.6	3
69	Response. <i>Chest</i> , 2013, 143, 273-274.	0.8	2
70	Elevated pulmonary pressure: A novel risk marker in kidney disease?. <i>Kidney International</i> , 2015, 88, 7-9.	5.2	2
71	Pediatric Pulmonary Hypertension. <i>Annals of the American Thoracic Society</i> , 2016, 13, 967-969.	3.2	2
72	The breath print represents a novel biomarker of malnutrition in pulmonary arterial hypertension: a proofâ€œofâ€œconcept study. <i>Journal of Parenteral and Enteral Nutrition</i> , 2021, 45, 1645-1652.	2.6	2

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73	Effect of Weight on Parenteral Prostacyclin Analogues Dosing in Pulmonary Hypertension. <i>Chest</i> , 2017, 151, 1189-1192.	0.8	0
74	Cutaneous Iontophoresis of Vasoactive Medications in Patients with Scleroderma-Associated Pulmonary Arterial Hypertension. <i>Microcirculation</i> , 2021, , e12734.	1.8	0