Roham T Zamanian

List of Publications by Year in descending order

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125 papers

5,578 citations

42 h-index 70 g-index

129 all docs

129 docs citations 129 times ranked 6054 citing authors

#	Article	IF	CITATIONS
1	Characterization of Connective Tissue Disease-Associated Pulmonary Arterial Hypertension From REVEAL. Chest, 2010, 138, 1383-1394.	0.4	375
2	Association of Borderline Pulmonary Hypertension With Mortality and Hospitalization in a Large Patient Cohort: Insights From the Veterans Affairs Clinical Assessment, Reporting, and Tracking Program. Circulation, 2016, 133, 1240-1248.	1.6	289
3	Management strategies for patients with pulmonary hypertension in the intensive care unit*. Critical Care Medicine, 2007, 35, 2037-2050.	0.4	240
4	Blocking Macrophage Leukotriene B ₄ Prevents Endothelial Injury and Reverses Pulmonary Hypertension. Science Translational Medicine, 2013, 5, 200ra117.	5.8	203
5	Disruption of the Apelin-APJ System Worsens Hypoxia-Induced Pulmonary Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 814-820.	1.1	148
6	Clinical trial design and new therapies for pulmonary arterial hypertension. European Respiratory Journal, 2019, 53, 1801908.	3.1	142
7	Discovery of Distinct Immune Phenotypes Using Machine Learning in Pulmonary Arterial Hypertension. Circulation Research, 2019, 124, 904-919.	2.0	141
8	Ambrisentan and Tadalafil Up-front Combination Therapy in Scleroderma-associated Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 1102-1110.	2.5	138
9	Single- vs Double-Lung Transplantation in Patients With Chronic Obstructive Pulmonary Disease and Idiopathic Pulmonary Fibrosis Since the Implementation of Lung Allocation Based on Medical Need. JAMA - Journal of the American Medical Association, 2015, 313, 936.	3.8	128
10	Elafin Reverses Pulmonary Hypertension via Caveolin-1–Dependent Bone Morphogenetic Protein Signaling. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1273-1286.	2.5	125
11	Unique Predictors of Mortality in Patients With Pulmonary Arterial Hypertension Associated With Systemic Sclerosis in the REVEAL Registry. Chest, 2014, 146, 1494-1504.	0.4	121
12	Randomised placebo-controlled safety and tolerability trial of FK506 (tacrolimus) for pulmonary arterial hypertension. European Respiratory Journal, 2017, 50, 1602449.	3.1	119
13	Characteristics and Outcome After Hospitalization for Acute Right Heart Failure in Patients With Pulmonary Arterial Hypertension. Circulation: Heart Failure, 2011, 4, 692-699.	1.6	112
14	Leukotriene B ₄ antagonism ameliorates experimental lymphedema. Science Translational Medicine, 2017, 9, .	5.8	112
15	Addressing the Controversy of Estimating Pulmonary Arterial Pressure by Echocardiography. Journal of the American Society of Echocardiography, 2016, 29, 93-102.	1.2	111
16	Low-Dose FK506 (Tacrolimus) in End-Stage Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 254-257.	2.5	104
17	Safety and Efficacy of B-Cell Depletion with Rituximab for the Treatment of Systemic Sclerosis–associated Pulmonary Arterial Hypertension: A Multicenter, Double-Blind, Randomized, Placebo-controlled Trial. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 209-221.	2.5	88
18	Functional Class Improvement and 3-Year Survival Outcomes in Patients With Pulmonary Arterial Hypertension in the REVEAL Registry. Chest, 2013, 144, 160-168.	0.4	87

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19	Multimodal fusion with deep neural networks for leveraging CT imaging and electronic health record: a case-study in pulmonary embolism detection. Scientific Reports, 2020, 10, 22147.	1.6	83
20	Features and Outcomes of Methamphetamine-associated Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 788-800.	2.5	81
21	Pulmonary Hypertension Associated With Left Heart Disease: Characteristics, Emerging Concepts, and Treatment Strategies. Progress in Cardiovascular Diseases, 2011, 54, 154-167.	1.6	72
22	Right Heart End-Systolic Remodeling Index Strongly Predicts Outcomes in Pulmonary Arterial Hypertension. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	72
23	PENet—a scalable deep-learning model for automated diagnosis of pulmonary embolism using volumetric CT imaging. Npj Digital Medicine, 2020, 3, 61.	5.7	72
24	A Novel Non-Invasive Method of Estimating Pulmonary Vascular Resistance in Patients With Pulmonary Arterial Hypertension. Journal of the American Society of Echocardiography, 2009, 22, 523-529.	1.2	70
25	Whole-Exome Sequencing Reveals <i>TopBP1</i> as a Novel Gene in Idiopathic Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1260-1272.	2.5	70
26	Bone Morphogenetic Protein 9 Is a Mechanistic Biomarker of Portopulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 891-902.	2.5	69
27	PPARÎ 3 Activation: A Potential Treatment For Pulmonary Hypertension. Science Translational Medicine, 2009, 1, 12ps14.	5.8	68
28	RNA Sequencing Analysis Detection of a Novel Pathway of Endothelial Dysfunction in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 356-366.	2.5	66
29	Transplantation for Idiopathic Pulmonary Arterial Hypertension. Circulation, 2013, 127, 2503-2513.	1.6	64
30	Pulmonary Arterial Hypertension: New Insights Into the Optimal Role of Current and Emerging Prostacyclin Therapies. American Journal of Cardiology, 2013, 111, 1A-16A.	0.7	62
31	Leukotriene B ₄ Activates Pulmonary Artery Adventitial Fibroblasts in Pulmonary Hypertension. Hypertension, 2015, 66, 1227-1239.	1.3	62
32	The Role of Neutrophils and Neutrophil Elastase in Pulmonary Arterial Hypertension. Frontiers in Medicine, 2018, 5, 217.	1.2	61
33	Septal Curvature Is Marker of Hemodynamic, Anatomical, and Electromechanical Ventricular Interdependence in Patients with Pulmonary Arterial Hypertension. Echocardiography, 2014, 31, 699-707.	0.3	58
34	Circulating Angiogenic Modulatory Factors Predict Survival and Functional Class in Pulmonary Arterial Hypertension. Pulmonary Circulation, 2013, 3, 369-380.	0.8	56
35	Outpatient Inhaled Nitric Oxide in a Patient with Vasoreactive Idiopathic Pulmonary Arterial Hypertension and COVID-19 Infection. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 130-132.	2.5	56
36	Current Clinical Management of Pulmonary Arterial Hypertension. Circulation Research, 2014, 115, 131-147.	2.0	55

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37	Phenotypically Silent Bone Morphogenetic Protein Receptor 2 Mutations Predispose Rats to Inflammation-Induced Pulmonary Arterial Hypertension by Enhancing the Risk for Neointimal Transformation. Circulation, 2019, 140, 1409-1425.	1.6	54
38	Beyond the Lungs: Systemic Manifestations of Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 148-157.	2.5	53
39	Development and Performance of the Pulmonary Embolism Result Forecast Model (PERFORM) for Computed Tomography Clinical Decision Support. JAMA Network Open, 2019, 2, e198719.	2.8	50
40	Care of patients with pulmonary arterial hypertension during the coronavirus (COVIDâ€19) pandemic. Pulmonary Circulation, 2020, 10, 1-7.	0.8	50
41	A Survey-based Estimate of COVID-19 Incidence and Outcomes among Patients with Pulmonary Arterial Hypertension or Chronic Thromboembolic Pulmonary Hypertension and Impact on the Process of Care. Annals of the American Thoracic Society, 2020, 17, 1576-1582.	1.5	47
42	Relationship between Echocardiographic and Magnetic Resonance Derived Measures of Right Ventricular Size and Function in Patients with Pulmonary Hypertension. Journal of the American Society of Echocardiography, 2014, 27, 405-412.	1.2	46
43	Incidence, Correlates, and Consequences of Acute Kidney Injury in Patients With Pulmonary Arterial Hypertension Hospitalized With Acute Right-Side Heart Failure. Journal of Cardiac Failure, 2011, 17, 533-539.	0.7	44
44	Right Heart Score for Predicting Outcome in Idiopathic, Familial, or Drug- and Toxin-Associated Pulmonary Arterial Hypertension. JACC: Cardiovascular Imaging, 2015, 8, 627-638.	2.3	44
45	Upregulation of Human Endogenous Retrovirus-K Is Linked to Immunity and Inflammation in Pulmonary Arterial Hypertension. Circulation, 2017, 136, 1920-1935.	1.6	44
46	Design and validation of an endothelial progenitor cell capture chip and its application in patients with pulmonary arterial hypertension. Journal of Molecular Medicine, 2011, 89, 971-983.	1.7	43
47	Psychometric Validation of the Pulmonary Arterial Hypertension-Symptoms and Impact (PAH-SYMPACT) Questionnaire. Chest, 2018, 154, 848-861.	0.4	41
48	Health Disparities in Patients with Pulmonary Arterial Hypertension: A Blueprint for Action. An Official American Thoracic Society Statement. American Journal of Respiratory and Critical Care Medicine, 2017, 196, e32-e47.	2.5	36
49	Surrogate and Combined End Points in Pulmonary Arterial Hypertension. Proceedings of the American Thoracic Society, 2008, 5, 617-622.	3.5	35
50	Reduced carboxylesterase 1 is associated with endothelial injury in methamphetamine-induced pulmonary arterial hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L252-L266.	1.3	35
51	Safety and Efficacy of Transition from Systemic Prostanoids to Inhaled Treprostinil in Pulmonary Arterial Hypertension. American Journal of Cardiology, 2012, 110, 1546-1550.	0.7	34
52	Angina Associated With Left Main Coronary Artery Compression in Pulmonary Hypertension. Journal of Heart and Lung Transplantation, 2009, 28, 527-530.	0.3	32
53	Drug-induced pulmonary arterial hypertension: a primer for clinicians and scientists. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L967-L983.	1.3	32
54	Circulating plasmablasts are elevated and produce pathogenic antiâ€endothelial cell autoantibodies in idiopathic pulmonary arterial hypertension. European Journal of Immunology, 2018, 48, 874-884.	1.6	31

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55	The impact of ambrisentan and tadalafil upfront combination therapy on cardiac function in scleroderma associated pulmonary arterial hypertension patients: cardiac magnetic resonance feature tracking study. Pulmonary Circulation, 2018, 8, 1-11.	0.8	30
56	Improvement in Right Ventricular Strain with Ambrisentan and Tadalafil Upfront Therapy in Scleroderma-associated Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 388-391.	2.5	29
57	Mural Cell SDF1 Signaling Is Associated with the Pathogenesis of Pulmonary Arterial Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 747-759.	1.4	29
58	Methamphetamine and the risk of pulmonary arterial hypertension. Current Opinion in Pulmonary Medicine, 2018, 24, 416-424.	1.2	28
59	Progressive Dyspnea After CABG: Complication of Retained Epicardial Pacing Wires. Annals of Thoracic Surgery, 2008, 86, 1352-1354.	0.7	27
60	Clinical Differences and Outcomes between Methamphetamine-associated and Idiopathic Pulmonary Arterial Hypertension in the Pulmonary Hypertension Association Registry. Annals of the American Thoracic Society, 2021, 18, 613-622.	1.5	27
61	ERG evaluation of daily, high-dose sildenafil usage. Documenta Ophthalmologica, 2009, 118, 225-231.	1.0	26
62	Worldwide Physician Education and Training in Pulmonary Hypertension. Chest, 2010, 137, 85S-94S.	0.4	26
63	Right Ventricular Failure: A Novel Era of Targeted Therapy. Current Heart Failure Reports, 2010, 7, 202-211.	1.3	25
64	EmPHasis-10 as a measure of health-related quality of life in pulmonary arterial hypertension: data from PHAR. European Respiratory Journal, 2021, 57, 2000414.	3.1	24
65	TORREY, a Phase 2 study to evaluate the efficacy and safety of inhaled seralutinib for the treatment of pulmonary arterial hypertension. Pulmonary Circulation, 2021, 11, 1-7.	0.8	24
66	Diagnosis and Management of Pulmonary Hypertension Associated with Left Ventricular Diastolic Dysfunction. Pulmonary Circulation, 2012, 2, 163-169.	0.8	23
67	Impact of insulin resistance on ventricular function in pulmonary arterial hypertension. Journal of Heart and Lung Transplantation, 2014, 33, 721-726.	0.3	23
68	Nonâ€invasive right ventricular load adaptability indices in patients with sclerodermaâ€associated pulmonary arterial hypertension. Pulmonary Circulation, 2018, 8, 1-11.	0.8	22
69	Left Atrium Maximal Axial Cross-Sectional Area is a Specific Computed Tomographic Imaging Biomarker of World Health Organization Group 2 Pulmonary Hypertension. Journal of Thoracic Imaging, 2017, 32, 121-126.	0.8	21
70	Sex-based differences in veterans with pulmonary hypertension: Results from the veterans affairs-clinical assessment reporting and tracking database. PLoS ONE, 2017, 12, e0187734.	1.1	21
71	Erythropoietin Upregulation in Pulmonary Arterial Hypertension. Pulmonary Circulation, 2014, 4, 269-279.	0.8	18
72	Genetic Admixture and Survival in Diverse Populations with Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1407-1415.	2.5	18

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73	Surgical and Interventional Therapies for Pulmonary Arterial Hypertension. Seminars in Respiratory and Critical Care Medicine, 2005, 26, 417-428.	0.8	17
74	Identification of Pulmonary Hypertension Caused by Left-Sided Heart Disease (World Health) Tj ETQq 000 rgBT 152, 792-799.	/Overlock 0.4	10 Tf 50 707 17
75	Challenges in Pulmonary Hypertension: Controversies in Treating the Tip of the Iceberg. A Joint National Institutes of Health Clinical Center and Pulmonary Hypertension Association Symposium Report. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 166-174.	2.5	17
76	Severe Pulmonary Arterial Hypertension Is Characterized by Increased Neutrophil Elastase and Relative Elafin Deficiency. Chest, 2021, 160, 1442-1458.	0.4	17
77	Improving Right Ventricular Function by Increasing BMP Signaling with FK506. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 272-287.	1.4	16
78	Targeted proteomics of right heart adaptation to pulmonary arterial hypertension. European Respiratory Journal, 2021, 57, 2002428.	3.1	16
79	Novel Mechanisms Targeted by Drug Trials in Pulmonary Arterial Hypertension. Chest, 2022, 161, 1060-1072.	0.4	16
80	The Intersection of Genes and Environment. Chest, 2012, 141, 1598-1600.	0.4	15
81	Load Adaptability in Patients With Pulmonary Arterial Hypertension. American Journal of Cardiology, 2017, 120, 874-882.	0.7	15
82	Age-related differences in hemodynamics and functional status in pulmonary arterial hypertension: Baseline results from the Pulmonary Hypertension Association Registry. Journal of Heart and Lung Transplantation, 2020, 39, 945-953.	0.3	15
83	Echocardiographic evaluations of right ventriculo–arterial coupling in experimental and clinical pulmonary hypertension. Physiological Reports, 2019, 7, e14322.	0.7	14
84	Investigating the value of right heart echocardiographic metrics for detection of pulmonary hypertension in patients with advanced lung disease. International Journal of Cardiovascular Imaging, 2017, 33, 825-835.	0.7	13
85	Renin-Angiotensin-Aldosterone System Inhibitor Use and Mortality in Pulmonary Hypertension. Chest, 2021, 159, 1586-1597.	0.4	13
86	NHLBI-CMREF Workshop Report on Pulmonary Vascular DiseaseÂClassification. Journal of the American College of Cardiology, 2021, 77, 2040-2052.	1.2	13
87	Hispanic Ethnicity and Social Determinants of Health in Pulmonary Arterial Hypertension: The Pulmonary Hypertension Association Registry. Annals of the American Thoracic Society, 2022, 19, 1459-1468.	1.5	13
88	Effectiveness and cost effectiveness of thrombolysis in patients with acute pulmonary embolism. Current Opinion in Pulmonary Medicine, 2008, 14, 422-426.	1.2	12
89	Comparative analysis on the anti-inflammatory/immune effect of mesenchymal stem cell therapy for the treatment of pulmonary arterial hypertension. Scientific Reports, 2021, 11, 2012.	1.6	12
90	H2 Receptor Antagonist Use and Mortality in Pulmonary Hypertension: Insight from the VA-CART Program. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1638-1641.	2.5	11

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91	Low-grade albuminuria in pulmonary arterial hypertension. Pulmonary Circulation, 2019, 9, 204589401882456.	0.8	11
92	Prognostic Utility of Right Atrial Emptying Fractions in Pulmonary Arterial Hypertension. Pulmonary Circulation, 2015, 5, 473-480.	0.8	10
93	Endothelial nitric oxide synthase genotype is associated with pulmonary hypertension severity in left heart failure patients. Pulmonary Circulation, 2018, 8, 1-8.	0.8	10
94	Endogenous Retroviral Elements Generate Pathologic Neutrophils in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1019-1034.	2.5	10
95	Prevention of Deep Vein Thrombosis and Pulmonary Embolism in High-Risk Medical Patients. Clinics in Chest Medicine, 2018, 39, 483-492.	0.8	9
96	The Right Heart Network and Risk Stratification in Pulmonary Arterial Hypertension. Chest, 2022, 161, 1347-1359.	0.4	9
97	Plasma levels of S100A4 in portopulmonary hypertension. Biomarkers, 2009, 14, 156-160.	0.9	8
98	Methamphetamine use association with pulmonary diseases: a retrospective investigation of hospital discharges in California from 2005 to 2011. ERJ Open Research, 2019, 5, 00017-2019.	1.1	7
99	Epoprostenol-associated pneumonitis: Diagnostic use of a T-cell proliferation assay. Journal of Heart and Lung Transplantation, 2010, 29, 1071-1075.	0.3	6
100	What's in a side effect? The association between pulmonary vasodilator adverse drug events and clinical outcomes in patients with pulmonary arterial hypertension. International Journal of Cardiology, 2017, 240, 386-391.	0.8	6
101	Pulmonary Arterial Hypertension Secondary to Drugs and Toxins. Clinics in Chest Medicine, 2021, 42, 19-38.	0.8	6
102	Anatomic, genetic and functional properties of the retinal circulation in pulmonary hypertension. Pulmonary Circulation, 2020, 10 , $1-4$.	0.8	5
103	Optimal Tricuspid Regurgitation Velocity to Screen for Pulmonary Hypertension in Tertiary Referral Centers. Chest, 2021, 160, 2209-2219.	0.4	5
104	A Case of Recurrent Pericardial Constriction Presenting with Severe Pulmonary Hypertension. Pulmonary Circulation, 2013, 3, 436-439.	0.8	4
105	Hemodynamic trajectories and outcomes in patients with pulmonary arterial hypertension. Pulmonary Circulation, 2020, 10, 204589402094134.	0.8	4
106	Quantifying the Influence of Wedge Pressure, Age, and Heart Rate on the Systolic Thresholds for Detection of Pulmonary Hypertension. Journal of the American Heart Association, 2020, 9, e016265.	1.6	4
107	Reply to Andréasson etÂal.: Multiple Manifestations of Systemic Sclerosis Affect Walk Distance. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 377-378.	2.5	4
108	Stimulants and Pulmonary Arterial Hypertension: An Update. Advances in Pulmonary Hypertension, 2018, 17, 49-54.	0.1	4

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109	Survival in Pulmonary Hypertension Registries: Response. Chest, 2011, 139, 1548-1549.	0.4	3
110	Exome data clouds the pathogenicity of genetic variants in Pulmonary Arterial Hypertension. Molecular Genetics & Exome data clouds the pathogenicity of genetic variants in Pulmonary Arterial Hypertension.	0.6	3
111	Optical Coherence Tomography of Pulmonary Arterial Walls in Humans and Pigs (Sus scrofa) Tj ETQq1 1 0.78431	.4 rgBT /O	verlock 10 T
112	Insulin Growth Factor Phenotypes in Heart Failure With Preserved Ejection Fraction, an INSPIRE Registry and CATHGEN Study. Journal of Cardiac Failure, 2022, 28, 935-946.	0.7	2
113	Peripheral Blood Inflammation Profile of Patients with Pulmonary Arterial Hypertension Using the High-Throughput Olink Proteomics Platform. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 580-581.	1.4	2
114	Response to Letter Regarding Article, "Transplantation for Idiopathic Pulmonary Arterial Hypertension: Improvement in the Lung Allocation Score Era― Circulation, 2014, 129, e458.	1.6	1
115	Prescription Patterns for Pulmonary Vasodilators in the Treatment of Pulmonary Hypertension Associated With Chronic Lung Diseases: Insights From a Clinician Survey. Frontiers in Medicine, 2021, 8, 764815.	1.2	1
116	Characteristics and Outcomes of Pulmonary Hypertension in a Public County Hospital. Chest, 2011, 140, 733A.	0.4	0
117	Psychometric Validation of the PAH Symptoms and Impact (PAH-SYMPACT) Questionnaire: Results From the SYMPHONY Study. Chest, 2016, 150, 1160A.	0.4	O
118	Differential expression of hepatocyte growth factor in patients with systemic sclerosis-associated pulmonary arterial hypertension. Journal of Scleroderma and Related Disorders, 2017, 2, 225-230.	1.0	0
119	Reply: Can treprostinil-induced early gastrointestinal side effects serve as predictors of pulmonary arterial hypertension prognosis?. International Journal of Cardiology, 2018, 264, 188.	0.8	O
120	Myocardial bridge: an unrecognized cause of chest pain in pulmonary arterial hypertension. Pulmonary Circulation, 2020, 10, 1-4.	0.8	0
121	No Good Deed Goes Unpunished. Chest, 2021, 159, 910-911.	0.4	0
122	FUNCTIONAL CLASS AND PHYSICIAN-PERCEIVED SEVERITY ARE SIMILAR IN TREATED AND UNTREATED PATIENTS WITH PULMONARY ARTERIAL HYPERTENSION: A REAL-WORLD SURVEY. Chest, 2021, 160, A2258-A2260.	0.4	0
123	Expanded Use of PAH Medications. Advances in Pulmonary Hypertension, 2008, 7, 249-254.	0.1	0
124	Repurposing FK506 to Increase BMPR2 Signaling and Improve Pulmonary Arterial Hypertension: A Fast Track From Cells to People. Advances in Pulmonary Hypertension, 2014, 13, 129-133.	0.1	0
125	Abstract 14250: Semi-automated Analysis of Tricuspid Regurgitation Doppler Profile for Detection and Evaluation of Pulmonary Hypertension. Circulation, 2020, 142, .	1.6	O