Denis Chemla

List of Publications by Year
in descending order

24 papers	1,737 citations	840776 11 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1703 citing authors

#	Article	IF	Citations
1	New Formula for Predicting Mean Pulmonary Artery Pressure Using Systolic Pulmonary Artery Pressure. Chest, 2004, 126, 1313-1317.	0.8	923
2	Prognostic Value of Follow-Up Hemodynamic Variables After Initial Management in Pulmonary Arterial Hypertension. Circulation, 2018, 137, 693-704.	1.6	155
3	Pulmonary artery pulse pressure and wave reflection in chronic pulmonary thromboembolism and primary pulmonary hypertension. Journal of the American College of Cardiology, 2001, 37, 1085-1092.	2.8	151
4	Contribution of systemic vascular resistance and total arterial compliance to effective arterial elastance in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H614-H620.	3.2	124
5	Evaluation of Various Empirical Formulas for Estimating Mean Pulmonary Artery Pressure by Using Systolic Pulmonary Artery Pressure in Adults. Chest, 2009, 135, 760-768.	0.8	102
6	Pulmonary vascular resistance and compliance relationship in pulmonary hypertension. European Respiratory Journal, 2015, 46, 1178-1189.	6.7	73
7	Systolic and Mean Pulmonary Artery Pressures. Chest, 2015, 147, 943-950.	0.8	38
8	Estimating Right Ventricular Stroke Work and the Pulsatile Work Fraction in Pulmonary Hypertension. Chest, 2013, 143, 1343-1350.	0.8	34
9	Mean aortic pressure is the geometric mean of systolic and diastolic aortic pressure in resting humans. Journal of Applied Physiology, 2005, 99, 2278-2284.	2.5	30
10	Towards New Indices of Arterial Stiffness Using Systolic Pulse Contour Analysis: A Theoretical Point of View. Journal of Cardiovascular Pharmacology, 2008, 51, 111-117.	1.9	24
11	Validation and Critical Evaluation of the Effective Arterial Elastance in Critically Ill Patients. Critical Care Medicine, 2019, 47, e317-e324.	0.9	15
12	Influence of critical closing pressure on systemic vascular resistance and total arterial compliance: A clinical invasive study. Archives of Cardiovascular Diseases, 2017, 110, 659-666.	1.6	13
13	Golden Ratio and the Proportionality Between Pulmonary Pressure Components in Pulmonary Arterial Hypertension. Chest, 2019, 155, 991-998.	0.8	13
14	Clinical and Hemodynamic Correlates of Pulmonary Arterial Stiffness in Incident, Untreated Patients With Idiopathic Pulmonary Arterial Hypertension. Chest, 2018, 154, 882-892.	0.8	10
15	Hemodynamic correlates of effective arterial elastance in mitral stenosis before and after balloon valvotomy. Journal of Applied Physiology, 1997, 83, 1083-1089.	2.5	7
16	New Method to Estimate Central Systolic Blood Pressure From Peripheral Pressure: A Proof of Concept and Validation Study. Frontiers in Cardiovascular Medicine, 2021, 8, 772613.	2.4	7
17	A systematic review of invasive, high-fidelity pressure studies documenting the amplification of blood pressure from the aorta to the brachial and radial arteries. Journal of Clinical Monitoring and Computing, 2021, 35, 1245-1252.	1.6	5
18	Improved estimation of cardiac power output by including pulsatile power. British Journal of Anaesthesia, 2020, 125, e267-e269.	3.4	5

#	Article	IF	Citations
19	The isobaric pulmonary arterial compliance in pulmonary hypertension. ERJ Open Research, 2021, 7, 00941-2020.	2.6	5
20	As simple as possible, but not simpler: estimating the effective arterial elastance at bedside. Journal of Clinical Monitoring and Computing, 2019, 33, 933-935.	1.6	1
21	Letter by Chemla et al Regarding Article, â€œCardiac Power Output Revisitedâ€. Circulation: Heart Failure, 2021, 14, e008136.	3.9	1
22	Pulsatile pulmonary artery pressure in a large animal model of chronic thromboembolic pulmonary hypertension: Similarities and differences with human data. Pulmonary Circulation, 2022, 12, e12017.	1.7	1
23	Response. Chest, 2019, 156, 630-631.	0.8	0
24	Estimating the effective arterial elastance at bedside: a reply to a rebuttal. Journal of Clinical Monitoring and Computing, 2019, 33, 941-943.	1.6	0