

# Adam J Lewandowski

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

4,716  
citations

109137

35  
h-index

106150

65  
g-index

91  
all docs

91  
docs citations

91  
times ranked

6216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge. <i>EClinicalMedicine</i> , 2021, 31, 100683.	3.2	435
2	Preterm Heart in Adult Life. <i>Circulation</i> , 2013, 127, 197-206.	1.6	385
3	Global and regional left ventricular myocardial deformation measures by magnetic resonance feature tracking in healthy volunteers: comparison with tagging and relevance of gender. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 8.	1.6	244
4	Normal variation of magnetic resonance T1 relaxation times in the human population at 1.5 T using ShMOLLI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 13.	1.6	216
5	Right Ventricular Systolic Dysfunction in Young Adults Born Preterm. <i>Circulation</i> , 2013, 128, 713-720.	1.6	209
6	Preeclampsia: Risk Factors, Diagnosis, Management, and the Cardiovascular Impact on the Offspring. <i>Journal of Clinical Medicine</i> , 2019, 8, 1625.	1.0	161
7	Pre-eclampsia and offspring cardiovascular health: mechanistic insights from experimental studies. <i>Clinical Science</i> , 2012, 123, 53-72.	1.8	153
8	The Role of Neuropeptide Y in Cardiovascular Health and Disease. <i>Frontiers in Physiology</i> , 2018, 9, 1281.	1.3	129
9	The Transitional Heart: From Early Embryonic and Fetal Development to Neonatal Life. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 373-386.	0.6	128
10	Antenatal Glucocorticoid Exposure and Long-Term Alterations in Aortic Function and Glucose Metabolism. <i>Pediatrics</i> , 2012, 129, e1282-e1290.	1.0	111
11	Association of Cardiovascular Risk Factors With MRI Indices of Cerebrovascular Structure and Function and White Matter Hyperintensities in Young Adults. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 665.	3.8	105
12	Clinical cardiovascular risk during young adulthood in offspring of hypertensive pregnancies: insights from a 20-year prospective follow-up birth cohort. <i>BMJ Open</i> , 2015, 5, e008136.	0.8	103
13	Elevated Blood Pressure in Preterm-Born Offspring Associates With a Distinct Antiangiogenic State and Microvascular Abnormalities in Adult Life. <i>Hypertension</i> , 2015, 65, 607-614.	1.3	102
14	Unique Blood Pressure Characteristics in Mother and Offspring After Early Onset Preeclampsia. <i>Hypertension</i> , 2012, 60, 1338-1345.	1.3	98
15	Physiological Stress Elicits Impaired Left Ventricular Function in Preterm-Born Adults. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1347-1356.	1.2	96
16	Progression of myocardial fibrosis in hypertrophic cardiomyopathy: mechanisms and clinical implications. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 157-167.	0.5	92
17	Disproportionate cardiac hypertrophy during early postnatal development in infants born preterm. <i>Pediatric Research</i> , 2017, 82, 36-46.	1.1	88
18	Symptom Persistence Despite Improvement in Cardiopulmonary Health – Insights from longitudinal CMR, CPET and lung function testing post-COVID-19. <i>EClinicalMedicine</i> , 2021, 41, 101159.	3.2	87

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19	Gender-specific differences in left ventricular remodelling in obesity: insights from cardiovascular magnetic resonance imaging. <i>European Heart Journal</i> , 2013, 34, 292-299.	1.0	85
20	Long-term cerebral white and gray matter changes after preeclampsia. <i>Neurology</i> , 2017, 88, 1256-1264.	1.5	77
21	Changes in the Preterm Heart From Birth to Young Adulthood: A Meta-analysis. <i>Pediatrics</i> , 2020, 146, .	1.0	73
22	Observational study of regional aortic size referenced to body size: production of a cardiovascular magnetic resonance nomogram. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 9.	1.6	72
23	Breast Milk Consumption in Preterm Neonates and Cardiac Shape in Adulthood. <i>Pediatrics</i> , 2016, 138, .	1.0	72
24	Preterm Birth and Hypertension: Is There a Link?. <i>Current Hypertension Reports</i> , 2016, 18, 28.	1.5	69
25	Will Exercise Advice Be Sufficient for Treatment of Young Adults With Prehypertension and Hypertension? A Systematic Review and Meta-Analysis. <i>Hypertension</i> , 2016, 68, 78-87.	1.3	67
26	Gender specific patterns of age-related decline in aortic stiffness: a cardiovascular magnetic resonance study including normal ranges. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 20.	1.6	63
27	Dynamic Release and Clearance of Circulating Microparticles During Cardiac Stress. <i>Circulation Research</i> , 2014, 114, 109-113.	2.0	62
28	Preeclampsia, prematurity and cardiovascular health in adult life. <i>Early Human Development</i> , 2014, 90, 725-729.	0.8	59
29	Short-Term Exposure to Exogenous Lipids in Premature Infants and Long-Term Changes in Aortic and Cardiac Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2125-2135.	1.1	56
30	Impact of the Vulnerable Preterm Heart and Circulation on Adult Cardiovascular Disease Risk. <i>Hypertension</i> , 2020, 76, 1028-1037.	1.3	54
31	An automatic service for the personalization of ventricular cardiac meshes. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20131023.	1.5	52
32	Short-Term Postpartum Blood Pressure Self-Management and Long-Term Blood Pressure Control: A Randomized Controlled Trial. <i>Hypertension</i> , 2021, 78, 469-479.	1.3	46
33	Aortic stiffness and blood pressure variability in young people. <i>Journal of Hypertension</i> , 2017, 35, 513-522.	0.3	45
34	Association of Maternal Antiangiogenic Profile at Birth With Early Postnatal Loss of Microvascular Density in Offspring of Hypertensive Pregnancies. <i>Hypertension</i> , 2016, 68, 749-759.	1.3	42
35	Rescue of Neurons from Ischemic Injury by Peroxisome Proliferator-Activated Receptor- $\alpha$ Requires a Novel Essential Cofactor LMO4. <i>Journal of Neuroscience</i> , 2008, 28, 12433-12444.	1.7	37
36	Preterm Birth Is a Novel, Independent Risk Factor for Altered Cardiac Remodeling and Early Heart Failure: Is it Time for a New Cardiomyopathy?. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2019, 21, 8.	0.4	37

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37	Physical activity modification in youth with congenital heart disease: a comprehensive narrative review. <i>Pediatric Research</i> , 2021, 89, 1650-1658.	1.1	34
38	Association of Preterm Birth With Myocardial Fibrosis and Diastolic Dysfunction in Young Adulthood. <i>Journal of the American College of Cardiology</i> , 2021, 78, 683-692.	1.2	34
39	Variations in Cardiovascular Structure, Function, and Geometry in Midlife Associated With a History of Hypertensive Pregnancy. <i>Hypertension</i> , 2020, 75, 1542-1550.	1.3	33
40	Comprehensive multi-modality assessment of regional and global arterial structure and function in adults born preterm. <i>Hypertension Research</i> , 2016, 39, 39-45.	1.5	32
41	Prevention of Vascular Dysfunction after Preeclampsia: A Potential Long-Term Outcome Measure and an Emerging Goal for Treatment. <i>Journal of Pregnancy</i> , 2012, 2012, 1-8.	1.1	31
42	Impaired myocardial reserve underlies reduced exercise capacity and heart rate recovery in preterm-born young adults. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 572-580.	0.5	30
43	Association of Systolic Blood Pressure Elevation With Disproportionate Left Ventricular Remodeling in Very Preterm-Born Young Adults. <i>JAMA Cardiology</i> , 2021, 6, 821.	3.0	28
44	Protocol and quality assurance for carotid imaging in 100,000 participants of UK Biobank: development and assessment. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 1799-1806.	0.8	27
45	Multimodality Imaging Demonstrates Reduced Right-Ventricular Function Independent of Pulmonary Physiology in Moderately Preterm-Born Adults. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2046-2048.	2.3	27
46	Neonatal MicroRNA Profile Determines Endothelial Function in Offspring of Hypertensive Pregnancies. <i>Hypertension</i> , 2018, 72, 937-945.	1.3	26
47	Impaired Endothelial Responses in Apparently Healthy Young People Associated With Subclinical Variation in Blood Pressure and Cardiovascular Phenotype. <i>American Journal of Hypertension</i> , 2012, 25, 46-53.	1.0	25
48	A New Risk Factor for Early Heart Failure. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2643-2645.	1.2	25
49	Evidence of a Direct Effect of Myocardial Steatosis on LV Hypertrophy and Diastolic Dysfunction in Adult and Adolescent Obesity. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1468-1470.	2.3	23
50	Adult Cardiovascular Health Risk and Cardiovascular Phenotypes of Prematurity. <i>Journal of Pediatrics</i> , 2020, 227, 17-30.	0.9	21
51	Preventing disease in the 21st century: early breast milk exposure and later cardiovascular health in premature infants. <i>Pediatric Research</i> , 2020, 87, 385-390.	1.1	20
52	Physiological aspects of cardiopulmonary dysanapsis on exercise in adults born preterm. <i>Journal of Physiology</i> , 2022, 600, 463-482.	1.3	20
53	Obese Subjects Show Sex-Specific Differences in Right Ventricular Hypertrophy. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	18
54	Prenatal and Postnatal Cardiac Development in Offspring of Hypertensive Pregnancies. <i>Journal of the American Heart Association</i> , 2020, 9, e014586.	1.6	18

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55	Cardiac Performance in the First Year of Age Among Preterm Infants Fed Maternal Breast Milk. <i>JAMA Network Open</i> , 2021, 4, e2121206.	2.8	18
56	Neonatal autonomic function after pregnancy complications and early cardiovascular development. <i>Pediatric Research</i> , 2018, 84, 85-91.	1.1	16
57	The preterm heart: a unique cardiomyopathy?. <i>Pediatric Research</i> , 2019, 85, 738-739.	1.1	16
58	Incremental value of left atrial booster and reservoir strain in predicting atrial fibrillation in patients with hypertrophic cardiomyopathy: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 109.	1.6	14
59	The Immediate and Long-Term Impact of Preeclampsia on Offspring Vascular and Cardiac Physiology in the Preterm Infant. <i>Frontiers in Pediatrics</i> , 2021, 9, 625726.	0.9	13
60	Understanding the preterm human heart: What do we know so far?. <i>Anatomical Record</i> , 2022, 305, 2099-2112.	0.8	13
61	A three-dimensional atlas of child's cardiac anatomy and the unique morphological alterations associated with obesity. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1645-1653.	0.5	13
62	Trial of Exercise to Prevent Hypertension in young Adults (TEPHRA) a randomized controlled trial: study protocol. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 208.	0.7	11
63	Novel Insights into Complex Cardiovascular Pathologies using 4D Flow Analysis by Cardiovascular Magnetic Resonance Imaging. <i>Current Pharmaceutical Design</i> , 2017, 23, 3262-3267.	0.9	11
64	Postpartum blood pressure self-management following hypertensive pregnancy: protocol of the Physician Optimised Post-partum Hypertension Treatment (POP-HT) trial. <i>BMJ Open</i> , 2022, 12, e051180.	0.8	11
65	Endothelial GTPCH (GTP Cyclohydrolase 1) and Tetrahydrobiopterin Regulate Gestational Blood Pressure, Uteroplacental Remodeling, and Fetal Growth. <i>Hypertension</i> , 2021, 78, 1871-1884.	1.3	10
66	Time to rethink physical activity advice and blood pressure: A role for occupation-based interventions?. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 1051-1053.	0.8	9
67	Acute and chronic cardiac adaptations in adults born preterm. <i>Experimental Physiology</i> , 2022, 107, 405-409.	0.9	9
68	Cardiac Dysfunction and Preeclampsia. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 691-692.	1.3	7
69	Diameters of the normal thoracic aorta measured by cardiovascular magnetic resonance imaging; correlation with gender, body surface area and body mass index. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, E77.	1.6	7
70	Like sheep, like humans? Right ventricular remodelling in a preterm-born ovine model. <i>Journal of Physiology</i> , 2018, 596, 5505-5506.	1.3	5
71	From Gene to Epigene-Based Therapies Targeting the Vascular Endothelium. <i>Current Vascular Pharmacology</i> , 2012, 10, 125-137.	0.8	4
72	Invited Commentary: Hypertension During Pregnancy and Offspring Microvascular Structure—Insights From the Retinal Microcirculation. <i>American Journal of Epidemiology</i> , 2016, 184, 616-618.	1.6	4

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73	Cardiac Remodeling in Preterm-Born Adults: Long-Term Benefits of Human Milk Consumption in Preterm Neonates. <i>Breastfeeding Medicine</i> , 2018, 13, S-3-S-4.	0.8	4
74	Exploring the Cardiac Phenotypes of Prematurity. <i>JAMA Cardiology</i> , 2021, 6, 361.	3.0	4
75	CMR right ventricular strain assessment using feature tracking cine images: agreement with echocardiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, .	1.6	3
76	Two-Dimensional Echocardiography Estimates of Fetal Ventricular Mass throughout Gestation. <i>Fetal Diagnosis and Therapy</i> , 2018, 44, 18-27.	0.6	3
77	Does self-reported pregnancy loss identify women at risk of an adverse cardiovascular phenotype in later life? Insights from UK Biobank. <i>PLoS ONE</i> , 2019, 14, e0223125.	1.1	3
78	The Preterm Heart-Brain Axis in Young Adulthood: The Impact of Birth History and Modifiable Risk Factors. <i>Journal of Clinical Medicine</i> , 2021, 10, 1285.	1.0	3
79	Proteomic Signature of Dysfunctional Circulating Endothelial Colony-Forming Cells of Young Adults. <i>Journal of the American Heart Association</i> , 2021, 10, e021119.	1.6	3
80	Cardiac remodelling and exercise: What happens with ultra-endurance exercise?. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1464-1466.	0.8	2
81	Left atrial strain predicts cardiovascular response to exercise in young adults with suboptimal blood pressure. <i>Echocardiography</i> , 2021, 38, 1319-1326.	0.3	2
82	Assessment of cardiac function from fetal to adult life with myocardial deformation imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , 2014, 43, 605-608.	0.9	1
83	Improving the stratification power of cardiac ventricular shape. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, O77.	1.6	1
84	Author response: Long-term cerebral white and gray matter changes after preeclampsia. <i>Neurology</i> , 2017, 89, 1309.3-1310.	1.5	1
85	The Preterm (Right) Heart. <i>Chest</i> , 2021, 160, 27-28.	0.4	1
86	Reshaping the Preterm Heart: Shifting Cardiac Renin-Angiotensin System Towards Cardioprotection in Rats Exposed to Neonatal High-Oxygen Stress. <i>Hypertension</i> , 2022, 79, 1789-1803.	1.3	1
87	The effects of excess weight on cardiac strain and steatosis in adults and children. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, O30.	1.6	0
88	P100 TRIAL OF EXERCISE TO PREVENT HYPERTENSION IN YOUNG ADULTS (TEPHRA): RATIONALE AND PROTOCOL. <i>Artery Research</i> , 2017, 20, 89.	0.3	0
89	Can diet influence cardiac geometry and function in young adults?. <i>European Journal of Preventive Cardiology</i> , 2018, 25, 1585-1586.	0.8	0
90	Reply. <i>Journal of the American College of Cardiology</i> , 2021, 78, e299.	1.2	0