

Paul Leeson

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

5,558
citations

145106

33
h-index

100535

70
g-index

112
all docs

112
docs citations

112
times ranked

7926
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalized exercise prescription in the prevention and treatment of arterial hypertension: a Consensus Document from the European Association of Preventive Cardiology (EAPC) and the ESC Council on Hypertension. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 205-215.	0.8	74
2	Real-world performance and accuracy of stress echocardiography: the EVAREST observational multi-centre study. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 689-698.	0.5	12
3	Myocardial work and left ventricular mechanical adaptations following isometric exercise training in hypertensive patients. <i>European Journal of Applied Physiology</i> , 2022, 122, 727-734.	1.2	8
4	Automated Echocardiographic Detection of Severe Coronary Artery Disease Using Artificial Intelligence. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 715-727.	2.3	41
5	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
6	Effect of Self-monitoring of Blood Pressure on Diagnosis of Hypertension During Higher-Risk Pregnancy. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 1656.	3.8	40
7	Effect of Self-monitoring of Blood Pressure on Blood Pressure Control in Pregnant Individuals With Chronic or Gestational Hypertension. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 1666.	3.8	34
8	Effect of moderate to high intensity aerobic exercise on blood pressure in young adults: The TEPHRA open, two-arm, parallel superiority randomized clinical trial. <i>EClinicalMedicine</i> , 2022, 48, 101445.	3.2	11
9	Cardiac abnormalities identified with echocardiography in anorexia nervosa: systematic review and meta-analysis. <i>British Journal of Psychiatry</i> , 2021, 219, 477-486.	1.7	16
10	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
11	Impact of COVID-19 on UK stress echocardiography practice: insights from the EVAREST sites. <i>Echo Research and Practice</i> , 2021, 8, 1-8.	0.6	3
12	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
13	Preeclampsia and the Brain – A Long-term View. <i>JAMA Network Open</i> , 2021, 4, e215364.	2.8	4
14	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
15	ESTIMATING HEART RATE IN ECHOCARDIOGRAPHY PATIENTS WHERE ECG MONITORING WAS NOT PERFORMED. <i>Journal of the American College of Cardiology</i> , 2021, 77, 1333.	1.2	0
16	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
17	Let AI Take the Strain. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1929-1931.	2.3	3
18	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

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19	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
20	Machine Learning Augmented Echocardiography for Diastolic Function Assessment. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 711611.	1.1	14
21	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
22	Multicenter Cohort Study, With a Nested Randomized Comparison, to Examine the Cardiovascular Impact of Preterm Preeclampsia. <i>Hypertension</i> , 2021, 78, 1382-1394.	1.3	12
23	Stress Echo 2030: The Novel ABCDE-(FGLPR) Protocol to Define the Future of Imaging. <i>Journal of Clinical Medicine</i> , 2021, 10, 3641.	1.0	33
24	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
25	Planned delivery to improve postpartum cardiac function in women with preterm pre-eclampsia: the PHOEBE mechanisms of action study within the PHOENIX RCT. <i>Efficacy and Mechanism Evaluation</i> , 2021, 8, 1-28.	0.9	4
26	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
27	Towards a personalised approach in exercise-based cardiovascular rehabilitation: How can translational research help? A "call to action"™ from the Section on Secondary Prevention and Cardiac Rehabilitation of the European Association of Preventive Cardiology. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1369-1385.	0.8	43
28	(Deep) Learning Your Left From Your Right. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 382-384.	2.3	2
29	The UK Biobank imaging enhancement of 100,000 participants: rationale, data collection, management and future directions. <i>Nature Communications</i> , 2020, 11, 2624.	5.8	324
30	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
31	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. <i>Physiology and Behavior</i> , 2020, 223, 112923.	1.0	18
32	The "Digital Twin"™ to enable the vision of precision cardiology. <i>European Heart Journal</i> , 2020, 41, 4556-4564.	1.0	319
33	Changes in the Preterm Heart From Birth to Young Adulthood: A Meta-analysis. <i>Pediatrics</i> , 2020, 146, .	1.0	73
34	Cardiac remodelling and exercise: What happens with ultra-endurance exercise?. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1464-1466.	0.8	2
35	Prenatal and Postnatal Cardiac Development in Offspring of Hypertensive Pregnancies. <i>Journal of the American Heart Association</i> , 2020, 9, e014586.	1.6	18
36	Blood pressure monitoring in high-risk pregnancy to improve the detection and monitoring of hypertension (the BUMP 1 and 2 trials): protocol for two linked randomised controlled trials. <i>BMJ Open</i> , 2020, 10, e034593.	0.8	30

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37	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
38	Preeclampsia: Risk Factors, Diagnosis, Management, and the Cardiovascular Impact on the Offspring. <i>Journal of Clinical Medicine</i> , 2019, 8, 1625.	1.0	161
39	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
40	Combining Artificial Intelligence With Human Insight to Automate Echocardiography. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009727.	1.3	11
41	Neurohumoral and ambulatory haemodynamic adaptations following isometric exercise training in unmedicated hypertensive patients. <i>Journal of Hypertension</i> , 2019, 37, 827-836.	0.3	30
42	Artificial Intelligence in Cardiovascular Imaging. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1317-1335.	1.2	374
43	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
44	Two-Dimensional Echocardiography Estimates of Fetal Ventricular Mass throughout Gestation. <i>Fetal Diagnosis and Therapy</i> , 2018, 44, 18-27.	0.6	3
45	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
46	Automated Myocardial Wall Motion Classification using Handcrafted Features vs a Deep CNN-based mapping. , 2018, 2018, 3140-3143.		11
47	Improving Visual Detection of Wall Motion Abnormality with Echocardiographic Image Enhancing Methods. , 2018, 2018, 1128-1131.		4
48	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
49	Neonatal MicroRNA Profile Determines Endothelial Function in Offspring of Hypertensive Pregnancies. <i>Hypertension</i> , 2018, 72, 937-945.	1.3	26
50	The Role of Neuropeptide Y in Cardiovascular Health and Disease. <i>Frontiers in Physiology</i> , 2018, 9, 1281.	1.3	129
51	Can diet influence cardiac geometry and function in young adults?. <i>European Journal of Preventive Cardiology</i> , 2018, 25, 1585-1586.	0.8	0
52	Do Young Women Need Treatment for Hypertension After Pregnancy Complications?. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	2
53	Self-Management of Postnatal Hypertension. <i>Hypertension</i> , 2018, 72, 425-432.	1.3	86
54	Neonatal autonomic function after pregnancy complications and early cardiovascular development. <i>Pediatric Research</i> , 2018, 84, 85-91.	1.1	16

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55	Quantification of cardiac bull's-eye map based on principal strain analysis for myocardial wall motion assessment in stress echocardiography. , 2018, , .		24
56	Artificial intelligence: a new clinical support tool for stress echocardiography. Expert Review of Medical Devices, 2018, 15, 513-515.	1.4	17
57	Cardiometabolic and reproductive health in young women: Making the right choices. European Journal of Preventive Cardiology, 2018, 25, 1040-1041.	0.8	0
58	Association of Cardiovascular Risk Factors With MRI Indices of Cerebrovascular Structure and Function and White Matter Hyperintensities in Young Adults. JAMA - Journal of the American Medical Association, 2018, 320, 665.	3.8	105
59	Implantable loop recorder. , 2018, , 175-182.		0
60	System and lead extractions. , 2018, , 325-340.		0
61	Perioperative management of devices. , 2018, , 361-368.		0
62	104â€¦Blood pressure and left ventricular stress response in young adults. , 2018, , .		0
63	Long-term cerebral white and gray matter changes after preeclampsia. Neurology, 2017, 88, 1256-1264.	1.5	77
64	Reference ranges for cardiac structure and function using cardiovascular magnetic resonance (CMR) in Caucasians from the UK Biobank population cohort. Journal of Cardiovascular Magnetic Resonance, 2017, 19, 18.	1.6	391
65	Disproportionate cardiac hypertrophy during early postnatal development in infants born preterm. Pediatric Research, 2017, 82, 36-46.	1.1	88
66	Hypertension in pregnancy: a risk factor for the whole family?. Nature Reviews Nephrology, 2017, 13, 326-327.	4.1	6
67	Aortic stiffness and blood pressure variability in young people. Journal of Hypertension, 2017, 35, 513-522.	0.3	45
68	A New Risk Factor for Early Heart Failure. Journal of the American College of Cardiology, 2017, 69, 2643-2645.	1.2	25
69	Effects of Vitamin D on Blood Pressure, Arterial Stiffness, and Cardiac Function in Older People After 1ÂYear: BESTâ€ (Biochemical Efficacy and Safety Trial of Vitamin D). Journal of the American Heart Association, 2017, 6, .	1.6	30
70	Predicting the future with echocardiography: Looking outside the heart?. European Journal of Preventive Cardiology, 2017, 24, 1515-1516.	0.8	1
71	Protocol and quality assurance for carotid imaging in 100,000 participants of UK Biobank: development and assessment. European Journal of Preventive Cardiology, 2017, 24, 1799-1806.	0.8	27
72	Author response: Long-term cerebral white and gray matter changes after preeclampsia. Neurology, 2017, 89, 1309.3-1310.	1.5	1

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73	Postpartum management of hypertensive disorders of pregnancy: a systematic review. <i>BMJ Open</i> , 2017, 7, e018696.	0.8	47
74	P100 TRIAL OF EXERCISE TO PREVENT HYPERTENSION IN YOUNG ADULTS (TEPHRA): RATIONALE AND PROTOCOL. <i>Artery Research</i> , 2017, 20, 89.	0.3	0
75	Cardiac Disease after Pregnancy: A Growing Problem. <i>European Cardiology Review</i> , 2017, 12, 20.	0.7	3
76	Abstract TMP53: Preeclampsia Leads to Long Term Cerebral White Matter Damage and Cortical Atrophy: a Magnetic Resonance Imaging Study. <i>Stroke</i> , 2017, 48, .	1.0	0
77	Haemodynamic changes in pregnancy: what can we learn from combined datasets?. <i>Heart</i> , 2016, 102, 490-491.	1.2	4
78	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
79	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
80	12th WINFOCUS world congress on ultrasound in emergency and critical care. <i>The Ultrasound Journal</i> , 2016, 8, 12.	2.0	15
81	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
82	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
83	Survey of healthcare professionals regarding adjustment of antihypertensive medication(s) in the postnatal period in women with hypertensive disorders of pregnancy. <i>Pregnancy Hypertension</i> , 2016, 6, 256-258.	0.6	7
84	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
85	Breast Milk Consumption in Preterm Neonates and Cardiac Shape in Adulthood. <i>Pediatrics</i> , 2016, 138, .	1.0	72
86	Preterm Birth and Hypertension: Is There a Link?. <i>Current Hypertension Reports</i> , 2016, 18, 28.	1.5	69
87	Preterm birth: risk factor for early-onset chronic diseases. <i>Cmaj</i> , 2016, 188, 736-746.	0.9	94
88	Pregnancy and Long-Term Maternal Cardiovascular Health. <i>Hypertension</i> , 2016, 67, 251-260.	1.3	121
89	Effect of CPAP on Cardiac Function in Minimally Symptomatic Patients with OSA: Results from a Subset of the MOSAIC Randomized Trial. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 967-973.	1.4	21
90	Behavioural physical activity interventions in participants with lower-limb osteoarthritis: a systematic review with meta-analysis. <i>BMJ Open</i> , 2015, 5, e007642.	0.8	49

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91	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
92	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
93	Data-driven shape parameterization for segmentation of the right ventricle from 3D+t echocardiography. <i>Medical Image Analysis</i> , 2015, 21, 29-39.	7.0	21
94	Obese Subjects Show Sex-Specific Differences in Right Ventricular Hypertrophy. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	18
95	Updated review identifies no adverse impact on mother or offspring during the perinatal period of aspirin use for prevention of preeclampsia. <i>Evidence-Based Medicine</i> , 2015, 20, 11-11.	0.6	2
96	Preeclampsia, prematurity and cardiovascular health in adult life. <i>Early Human Development</i> , 2014, 90, 725-729.	0.8	59
97	Abstract 12183: Strain Dispersion is an Early Subclinical Manifestation of Diabetic Cardiomyopathy Assessed by 3D Echocardiography. <i>Circulation</i> , 2014, 130, .	1.6	0
98	Imaging in population science: cardiovascular magnetic resonance in 100,000 participants of UK Biobank - rationale, challenges and approaches. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 46.	1.6	188
99	Preterm Heart in Adult Life. <i>Circulation</i> , 2013, 127, 197-206.	1.6	385
100	Assisted Reshaping of the Fetal Heart?. <i>Circulation</i> , 2013, 128, 1398-1399.	1.6	3
101	Right Ventricular Systolic Dysfunction in Young Adults Born Preterm. <i>Circulation</i> , 2013, 128, 713-720.	1.6	209
102	CPAP Improves Endothelial Function in Patients With Minimally Symptomatic OSA. <i>Chest</i> , 2013, 144, 896-902.	0.4	80
103	Unique Blood Pressure Characteristics in Mother and Offspring After Early Onset Preeclampsia. <i>Hypertension</i> , 2012, 60, 1338-1345.	1.3	98
104	Cardiovascular Risk Factors in Children and Young Adults Born to Preeclamptic Pregnancies: A Systematic Review. <i>Pediatrics</i> , 2012, 129, e1552-e1561.	1.0	403
105	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
106	Effective CVD prevention strategies in the young. <i>British Journal of Health Care Management</i> , 2011, 17, 477-479.	0.1	0
107	Response to Essential Hypertension, Hypertension in Pregnancy, and Subsequent Blood Pressure: Another Old Dilemma Revisited. <i>Hypertension</i> , 2010, 56, .	1.3	0
108	Patent Foramen Ovale Closure Before Orthopedic Trauma Surgery to Reduce Risk of Recurrent Systemic Fat Embolism. <i>Journal of Trauma</i> , 2008, 65, 467-469.	2.3	1

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109	Pediatric Prevention of Atherosclerosis: Targeting Early Variation in Vascular Biology. <i>Pediatrics</i> , 2007, 119, 1204-1206.	1.0	9
110	A Transesophageal Echocardiography Study: Traumatic Left Atrial Appendage and Left Upper Pulmonary Vein Dissection. <i>Journal of the American Society of Echocardiography</i> , 2007, 20, 537.e3-537.e5.	1.2	1
111	Pacemakers and ICDs. , 2007, , .		6