

Louise Haleh Naylor

List of Publications by Year in descending order

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107
papers

3,377
citations

147801

31
h-index

161849

54
g-index

107
all docs

107
docs citations

107
times ranked

4118
citing authors

#	ARTICLE	IF	CITATIONS
1	Reporter gene technology: the future looks bright. <i>Biochemical Pharmacology</i> , 1999, 58, 749-757.	4.4	328
2	d(TG)n&d(CA)nsequences upstream of the rat prolactin gene form Z-DNA and inhibit gene transcription. <i>Nucleic Acids Research</i> , 1990, 18, 1595-1601.	14.5	208
3	A prospective randomised longitudinal MRI study of left ventricular adaptation to endurance and resistance exercise training in humans. <i>Journal of Physiology</i> , 2011, 589, 5443-5452.	2.9	171
4	Comparison of forearm blood flow responses to incremental handgrip and cycle ergometer exercise: relative contribution of nitric oxide. <i>Journal of Physiology</i> , 2005, 562, 617-628.	2.9	148
5	The Athlete's Heart. <i>Sports Medicine</i> , 2008, 38, 69-90.	6.5	147
6	Vascular adaptation in athletes: is there an "athlete's artery"? <i>Experimental Physiology</i> , 2012, 97, 295-304.	2.0	138
7	Obligatory role of hyperaemia and shear stress in microvascular adaptation to repeated heating in humans. <i>Journal of Physiology</i> , 2010, 588, 1571-1577.	2.9	95
8	Repeated increases in blood flow, independent of exercise, enhance conduit artery vasodilator function in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H664-H669.	3.2	95
9	Measuring peripheral resistance and conduit arterial structure in humans using Doppler ultrasound. <i>Journal of Applied Physiology</i> , 2005, 98, 2311-2315.	2.5	81
10	A prospective randomized longitudinal study involving 6 months of endurance or resistance exercise. Conduit artery adaptation in humans. <i>Journal of Physiology</i> , 2013, 591, 1265-1275.	2.9	81
11	The Impact of Exercise Training on Conduit Artery Wall Thickness and Remodeling in Chronic Heart Failure Patients. <i>Hypertension</i> , 2011, 57, 56-62.	2.7	76
12	Impact of age, sex and exercise on brachial and popliteal artery remodelling in humans. <i>Atherosclerosis</i> , 2010, 210, 525-530.	0.8	70
13	Exercise training and artery function in humans: nonresponse and its relationship to cardiovascular risk factors. <i>Journal of Applied Physiology</i> , 2014, 117, 345-352.	2.5	67
14	Repeated core temperature elevation induces conduit artery adaptation in humans. <i>European Journal of Applied Physiology</i> , 2014, 114, 859-865.	2.5	64
15	Cardiovascular responses to water immersion in humans: impact on cerebral perfusion. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R636-R640.	1.8	56
16	Why Isn't Flow-Mediated Dilation Enhanced in Athletes?. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 75-82.	0.4	51
17	Impact of Obesity on Diastolic Function in Subjects >16 Years of Age. <i>American Journal of Cardiology</i> , 2006, 98, 691-693.	1.6	48
18	Reference Intervals for Brachial Artery Flow-Mediated Dilation and the Relation With Cardiovascular Risk Factors. <i>Hypertension</i> , 2021, 77, 1469-1480.	2.7	44

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19	Do Skinfolds Accurately Assess Changes in Body Fat in Obese Children and Adolescents?. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 439-444.	0.4	40
20	Fitness and strength responses to distinct exercise modes in twins: Studies of Twin Responses to Understand Exercise as a Therapy (STRUETH) study. <i>Journal of Physiology</i> , 2020, 598, 3845-3858.	2.9	40
21	The Effect of Exergaming on Vascular Function in Children. <i>Journal of Pediatrics</i> , 2013, 163, 806-810.	1.8	39
22	Morning exercise mitigates the impact of prolonged sitting on cerebral blood flow in older adults. <i>Journal of Applied Physiology</i> , 2019, 126, 1049-1055.	2.5	39
23	Evaluation of a CRE-Directed Luciferase Reporter Gene Assay as an Alternative to Measuring cAMP Accumulation. <i>Journal of Biomolecular Screening</i> , 1997, 2, 235-240.	2.6	38
24	Reduced ventricular flow propagation velocity in elite athletes is augmented with the resumption of exercise training. <i>Journal of Physiology</i> , 2005, 563, 957-963.	2.9	38
25	Endothelial Function and Carotid Intima-Medial Thickness in Adolescents with Type 2 Diabetes Mellitus. <i>Journal of Pediatrics</i> , 2011, 159, 971-974.	1.8	38
26	Effect of Multiple Serine/Alanine Mutations in the Transmembrane Spanning Region V of the D2 Dopamine Receptor on Ligand Binding. <i>Journal of Neurochemistry</i> , 2001, 74, 358-366.	3.9	36
27	Effects of Training Resumption on Conduit Arterial Diameter in Elite Rowers. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 86-92.	0.4	36
28	Effect of SR Manipulation on Conduit Artery Dilation in Humans. <i>Hypertension</i> , 2013, 61, 143-150.	2.7	36
29	Resistance Training and Diastolic Myocardial Tissue Velocities in Obese Children. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 2027-2032.	0.4	35
30	Effect of Morning Exercise With or Without Breaks in Prolonged Sitting on Blood Pressure in Older Overweight/Obese Adults. <i>Hypertension</i> , 2019, 73, 859-867.	2.7	33
31	Structural Studies on D ₂ Dopamine Receptors: Mutation of a Histidine Residue Specifically Affects the Binding of a Subgroup of Substituted Benzamide Drugs. <i>Journal of Neurochemistry</i> , 1994, 62, 1664-1669.	3.9	32
32	Matched increases in cerebral artery shear stress, irrespective of stimulus, induce similar changes in extra-cranial arterial diameter in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 849-858.	4.3	32
33	Impact of handgrip exercise intensity on brachial artery flow-mediated dilation. <i>European Journal of Applied Physiology</i> , 2015, 115, 1705-1713.	2.5	31
34	Exercise training improves vascular function in adolescents with type 2 diabetes. <i>Physiological Reports</i> , 2016, 4, e12713.	1.7	31
35	eIF2 γ phosphorylation, stress perception, and the shutdown of global protein synthesis in cultured CHO cells. <i>Biotechnology and Bioengineering</i> , 2005, 89, 805-814.	3.3	30
36	Diastolic function in healthy humans: non-invasive assessment and the impact of acute and chronic exercise. <i>European Journal of Applied Physiology</i> , 2010, 108, 1-14.	2.5	28

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37	Transient Gene Expression Levels from Multigene Expression Vectors. <i>Biotechnology Progress</i> , 2007, 23, 435-443.	2.6	27
38	Distinct Effects of Blood Flow and Temperature on Cutaneous Microvascular Adaptation. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 2113-2121.	0.4	27
39	Relationship Between Endothelial Function and the Eliciting Shear Stress Stimulus in Women: Changes Across the Lifespan Differ to Men. <i>Journal of the American Heart Association</i> , 2019, 8, e010994.	3.7	26
40	Eccentric Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 646-651.	0.4	25
41	Brachial and Cerebrovascular Functions Are Enhanced in Postmenopausal Women after Ingestion of Chocolate with a High Concentration of Cocoa. <i>Journal of Nutrition</i> , 2017, 147, 1686-1692.	2.9	25
42	Exercise training improves vascular function and secondary health measures in survivors of pediatric oncology related cerebral insult. <i>PLoS ONE</i> , 2018, 13, e0201449.	2.5	25
43	Age and sex relationship with flow-mediated dilation in healthy children and adolescents. <i>Journal of Applied Physiology</i> , 2015, 119, 926-933.	2.5	23
44	Opposing effects of shear-mediated dilation and myogenic constriction on artery diameter in response to handgrip exercise in humans. <i>Journal of Applied Physiology</i> , 2015, 119, 858-864.	2.5	23
45	Magnetic Resonance Imagingâ€“Derived Right Ventricular Adaptations to Endurance versus Resistance Training. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 534-541.	0.4	22
46	Cardiac adaptation to acute and chronic participation in endurance sports. <i>Heart</i> , 2011, 97, 1999-2004.	2.9	20
47	Functional Analysis of the D2L Dopamine Receptor Expressed in a cAMP-Responsive Luciferase Reporter Cell Line. <i>Biochemical Pharmacology</i> , 1998, 56, 25-30.	4.4	19
48	Iodine-123 salmon calcitonin, an imaging agent for calcitonin receptors: synthesis, biodistribution, metabolism and dosimetry in humans. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998, 25, 101-108.	6.4	18
49	Cytomegalovirus antibody and vascular pathology in renal transplant recipients. <i>Journal of Medical Virology</i> , 2017, 89, 177-181.	5.0	18
50	Gait analysis in chronic heart failure: The calf as a locus of impaired walking capacity. <i>Journal of Biomechanics</i> , 2014, 47, 3719-3725.	2.1	17
51	Is the Soleus a Sentinel Muscle for Impaired Aerobic Capacity in Heart Failure?. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 498-508.	0.4	16
52	The Effect of ICER on Screening Methods Involving CRE-Mediated Reporter Gene Expression. <i>Journal of Biomolecular Screening</i> , 2002, 7, 141-148.	2.6	14
53	Cerebral Blood Flow during Exercise in Heart Failure: Effect of Ventricular Assist Devices. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1372-1379.	0.4	14
54	Land- versus water-walking interventions in older adults: Effects on body composition. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 164-170.	1.3	14

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55	Resistance, but not endurance exercise training, induces changes in cerebrovascular function in healthy young subjects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H881-H892.	3.2	14
56	Differential impact of water immersion on arterial blood flow and shear stress in the carotid and brachial arteries of humans. <i>Physiological Reports</i> , 2017, 5, e13285.	1.7	14
57	Consumption of dark chocolate attenuates subsequent food intake compared with milk and white chocolate in postmenopausal women. <i>Appetite</i> , 2017, 116, 544-551.	3.7	13
58	Effectiveness of hand cooling and a cooling jacket on post-exercise cooling rates in hyperthermic athletes. <i>European Journal of Sport Science</i> , 2018, 18, 441-449.	2.7	13
59	Novel Noninvasive Assessment of Microvascular Structure and Function in Humans. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1558-1565.	0.4	13
60	Higher circulating androgens and higher physical activity levels are associated with less central adiposity and lower risk of cardiovascular death in older men. <i>Clinical Endocrinology</i> , 2019, 90, 375-383.	2.4	13
61	Testosterone and exercise: effects on fitness, body composition, and strength in middle-to-older aged men with low-normal serum testosterone levels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1985-H1998.	3.2	13
62	Studies of Twin Responses to Understand Exercise Therapy (STRUETH): Body Composition. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 58-67.	0.4	13
63	Cardiac and vascular adaptations to exercise. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006, 9, 677-684.	2.5	12
64	Relationship between monocyte-platelet aggregation and endothelial function in middle-aged and elderly adults. <i>Physiological Reports</i> , 2017, 5, e13189.	1.7	12
65	The Effects of Water-based Exercise Training in People with Type 2 Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 417-424.	0.4	12
66	Physiological characteristics, self-perceptions, and parental support of physical activity in children with, or at risk of, developmental coordination disorder. <i>Research in Developmental Disabilities</i> , 2019, 84, 66-74.	2.2	11
67	Exploring human trainability: Design and rationale of Studies of Twin Responses to Understand Exercise as a Therapy (STRUETH) study. <i>Contemporary Clinical Trials Communications</i> , 2020, 19, 100584.	1.1	11
68	Effects of testosterone treatment, with and without exercise training, on ambulatory blood pressure in middle-aged and older men. <i>Clinical Endocrinology</i> , 2021, 95, 176-186.	2.4	11
69	Development of a Generic Dual-Reporter Gene Assay for Screening G-Protein-Coupled Receptors. <i>Journal of Biomolecular Screening</i> , 2005, 10, 437-446.	2.6	10
70	The Impact of Distinct Exercise Training Modalities on Echocardiographic Measurements in Patients with Heart Failure with Reduced Ejection Fraction. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 148-156.	2.8	10
71	Cerebral blood flow responses to exercise are enhanced in left ventricular assist device patients after an exercise rehabilitation program. <i>Journal of Applied Physiology</i> , 2020, 128, 108-116.	2.5	10
72	Optical coherence tomography: a novel imaging approach to visualize and quantify cutaneous microvascular structure and function in patients with diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001479.	2.8	10

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73	Acute dose-response effect of coffee-derived chlorogenic acids on the human vasculature in healthy volunteers: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 370-379.	4.7	10
74	High-intensity interval training in patients with left ventricular assist devices: A pilot randomized controlled trial. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 1380-1388.	0.6	10
75	Effects of Land versus Water Walking Interventions on Vascular Function in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 83-89.	0.4	10
76	Partial agonism at serotonin 5-HT _{1B} and dopamine D _{2L} receptors using a luciferase reporter gene assay. <i>European Journal of Pharmacology</i> , 1999, 373, 215-222.	3.5	9
77	Improvements in fitness are not obligatory for exercise training-induced improvements in CV risk factors. <i>Physiological Reports</i> , 2018, 6, e13595.	1.7	9
78	Site-directed mutagenesis of Tyr417 in the rat D ₂ dopamine receptor. <i>Biochemical Society Transactions</i> , 1994, 22, 144S-144S.	3.4	8
79	Acute impact of conventional and eccentric cycling on platelet and vascular function in patients with chronic heart failure. <i>Journal of Applied Physiology</i> , 2017, 122, 1418-1424.	2.5	8
80	Beneficial impacts of regular exercise on platelet function in sedentary older adults: evidence from a randomized 6-mo walking trial. <i>Journal of Applied Physiology</i> , 2018, 125, 401-408.	2.5	8
81	Effects of Half-Time Cooling Using A Cooling Glove and Jacket on Manual Dexterity and Repeated-Sprint Performance in Heat. <i>Journal of Sports Science and Medicine</i> , 2018, 17, 485-491.	1.6	8
82	Length-Dependent Cruciform Extrusion in d(GTAC) _n Sequences. <i>Journal of Biomolecular Structure and Dynamics</i> , 1988, 5, 895-912.	3.5	7
83	Greater physical activity and higher androgen concentrations are independently associated with lower cardiometabolic risk in men. <i>Clinical Endocrinology</i> , 2017, 87, 466-474.	2.4	7
84	Visualizing and quantifying cutaneous microvascular reactivity in humans by use of optical coherence tomography: impaired dilator function in diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E923-E931.	3.5	7
85	Testosterone and Exercise in Middle-to-Older Aged Men. <i>Hypertension</i> , 2021, 77, 1095-1105.	2.7	7
86	Sex Differences in Cardiac Adaptation to Distinct Modalities of Exercise: A Cardiac Magnetic Resonance Study. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 2543-2552.	0.4	7
87	Does echocardiography accurately reflect CMR-determined changes in left ventricular parameters following exercise training? A prospective longitudinal study. <i>Journal of Applied Physiology</i> , 2013, 114, 1052-1057.	2.5	6
88	Acute hyperglycaemia does not alter nitric oxide-mediated microvascular function in the skin of adolescents with type 1 diabetes. <i>European Journal of Applied Physiology</i> , 2014, 114, 435-441.	2.5	6
89	Fitness, body composition and vascular health in adolescent and young adult survivors of paediatric brain cancer and cranial radiotherapy. <i>International Journal of Adolescent Medicine and Health</i> , 2019, 31, .	1.3	6
90	Assessment of the human cutaneous microvasculature using optical coherence tomography: Proving Harvey's proof. <i>Microcirculation</i> , 2020, 27, e12594.	1.8	6

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91	The Impact of 6-Month Land versus Water Walking on Cerebrovascular Function in the Aging Brain. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 2093-2100.	0.4	6
92	Muscle size explains low passive skeletal muscle force in heart failure patients. <i>PeerJ</i> , 2016, 4, e2447.	2.0	6
93	Metabolic and Psychological Impact of a Pragmatic Exercise Intervention Program in Adolescent and Young Adult Survivors of Pediatric Cancer-Related Cerebral Insult. <i>Journal of Adolescent and Young Adult Oncology</i> , 2018, 7, 349-357.	1.3	5
94	Visualizing and quantifying the impact of reactive hyperemia on cutaneous microvessels in humans. <i>Journal of Applied Physiology</i> , 2020, 128, 17-24.	2.5	5
95	Acute Impact of Different Exercise Modalities on Arterial and Platelet Function. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 785-791.	0.4	4
96	Is there an athlete's artery? A comparison of brachial and femoral artery structure and function in male strength, power and endurance athletes. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 635-640.	1.3	4
97	Left Ventricular Adaptation to Exercise Training via MRI. <i>Medicine and Science in Sports and Exercise</i> , 2022, Publish Ahead of Print, .	0.4	4
98	Impact of commonly prescribed exercise interventions on platelet activation in physically inactive and overweight men. <i>Physiological Reports</i> , 2016, 4, e12951.	1.7	3
99	Studies of Twin Responses to Understand Exercise Therapy (STRUETH): cerebrovascular function. <i>Journal of Physiology</i> , 2022, , .	2.9	3
100	Reply to Drs. Pageaux et al.: Cognitive demand of eccentric versus concentric cycling. <i>Journal of Applied Physiology</i> , 2017, 123, 1418-1418.	2.5	2
101	Ventilatory efficiency is a stronger prognostic indicator than peak oxygen uptake or body mass index in heart failure with reduced ejection fraction. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 2095-2098.	1.8	2
102	Cardiovascular Testing Detects Underlying Dysfunction in Childhood Leukemia Survivors. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 525-534.	0.4	2
103	Adaptation to Exercise Training in Conduit Arteries and Cutaneous Microvessels in Humans: An Optical Coherence Tomography Study. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1945-1957.	0.4	2
104	Site-directed mutagenesis of conserved serine residues in the rat D2 dopamine receptor. <i>Biochemical Society Transactions</i> , 1995, 23, 94S-94S.	3.4	1
105	Exercise: One size does not fit all: authors' response. <i>Journal of Physiology</i> , 2020, 598, 4131-4132.	2.9	1
106	Mapping of osmium tetroxide sensitive sites in the rat prolactin gene. <i>Biochemical Society Transactions</i> , 1994, 22, 180S-180S.	3.4	0
107	Effects of Exercise Training on Cardiovascular Function and Structure in Elite Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, S330-S331.	0.4	0