

# Alan M Batterham

## List of Publications by Year in descending order

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Version: 2024-02-01

130  
papers

13,728  
citations

66315

42  
h-index

21521

114  
g-index

133  
all docs

133  
docs citations

133  
times ranked

11515  
citing authors



#	ARTICLE	IF	CITATIONS
19	Mathematical coupling causes spurious correlation within the conventional acute-to-chronic workload ratio calculations. <i>British Journal of Sports Medicine</i> , 2019, 53, 921-922.	3.1	63
20	Ejection fraction as a statistical index of left ventricular systolic function: the first full allometric scrutiny of its appropriateness and accuracy. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 976-985.	0.5	3
21	Comments on "Predictors of Change in Physical Function in Older Adults in Response to Long-Term, Structured Physical Activity: The LIFE Study". <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 408.	0.5	2
22	Short- and long-term reliability of leg extensor power measurement in middle-aged and older adults. <i>Journal of Sports Sciences</i> , 2018, 36, 970-977.	1.0	24
23	Correct allometric analysis is always helpful for scaling flow-mediated dilation in research and individual patient contexts. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 907-910.	0.5	1
24	Exercise training response heterogeneity: statistical insights. <i>Diabetologia</i> , 2018, 61, 496-497.	2.9	16
25	Comparison of the Effects of Intermittent Boluses to Simple Continuous Infusion on Patients' Global Perceived Effect in Intrathecal Therapy for Pain: A Randomized Double-Blind Crossover Study. <i>Pain Medicine</i> , 2017, 18, pnw229.	0.9	5
26	Inter-Individual Responses of Maximal Oxygen Uptake to Exercise Training: A Critical Review. <i>Sports Medicine</i> , 2017, 47, 1501-1513.	3.1	70
27	Size Exponents for Scaling Maximal Oxygen Uptake in Over 6500 Humans: A Systematic Review and Meta-Analysis. <i>Sports Medicine</i> , 2017, 47, 1405-1419.	3.1	40
28	The Impact of Random Individual Differences in Weight Change on the Measurable Objectives of Lifestyle Weight Management Services. <i>Sports Medicine</i> , 2017, 47, 1683-1688.	3.1	7
29	The association between displacement of sedentary time and chronic musculoskeletal pain: an isotemporal substitution analysis. <i>Physiotherapy</i> , 2017, 103, 471-477.	0.2	11
30	Supporting the transition from weight loss to maintenance: development and optimisation of a face-to-face behavioural intervention component. <i>Health Psychology and Behavioral Medicine</i> , 2017, 5, 66-84.	0.8	6
31	A comprehensive allometric analysis of 2nd digit length to 4th digit length in humans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170356.	1.2	39
32	A higher effort-based paradigm in physical activity and exercise for public health: making the case for a greater emphasis on resistance training. <i>BMC Public Health</i> , 2017, 17, 300.	1.2	88
33	Prediction of whole-body fat percentage and visceral adipose tissue mass from five anthropometric variables. <i>PLoS ONE</i> , 2017, 12, e0177175.	1.1	192
34	Ziconotide Monotherapy: A Systematic Review of Randomised Controlled Trials. <i>Current Neuropharmacology</i> , 2017, 15, 217-231.	1.4	47
35	Effect of Novel, School-Based High-Intensity Interval Training (HIT) on Cardiometabolic Health in Adolescents: Project FFAB (Fun Fast Activity Blasts) - An Exploratory Controlled Before-And-After Trial. <i>PLoS ONE</i> , 2016, 11, e0159116.	1.1	54
36	Brachial artery diameter, but not flow-mediated dilation, is associated with sleep apnoea in the Multiethnic Study of Atherosclerosis. <i>Journal of Hypertension</i> , 2016, 34, 410-413.	0.3	2

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37	Presence of a high-flow-mediated constriction phenomenon prior to flow-mediated dilatation in normal weight, overweight, and obese children and adolescents. <i>Journal of Clinical Ultrasound</i> , 2016, 44, 446-447.	0.4	0
38	Displacing Sedentary Time. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 641-647.	0.2	16
39	Feedback from physical activity monitors is not compatible with current recommendations: A recalibration study. <i>Preventive Medicine</i> , 2016, 91, 389-394.	1.6	37
40	Prognostic Models in Adults Undergoing Physical Therapy for Rotator Cuff Disorders: Systematic Review. <i>Physical Therapy</i> , 2016, 96, 961-971.	1.1	13
41	Error Rates, Decisive Outcomes and Publication Bias with Several Inferential Methods. <i>Sports Medicine</i> , 2016, 46, 1563-1573.	3.1	73
42	Maturational effect on Functional Movement Screen score in adolescent soccer players. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 854-858.	0.6	49
43	Patients Awaiting Surgical Repair for Large Abdominal Aortic Aneurysms Can Exercise at Moderate to Hard Intensities with a Low Risk of Adverse Events. <i>Frontiers in Physiology</i> , 2016, 7, 684.	1.3	21
44	High-intensity interval exercise training for public health: a big HIT or shall we HIT it on the head?. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2015, 12, 95.	2.0	236
45	True and false interindividual differences in the physiological response to an intervention. <i>Experimental Physiology</i> , 2015, 100, 577-588.	0.9	212
46	Multidimensional individualised Physical ACTivity (Mi-PACT) – a technology-enabled intervention to promote physical activity in primary care: study protocol for a randomised controlled trial. <i>Trials</i> , 2015, 16, 381.	0.7	22
47	Response. <i>Exercise and Sport Sciences Reviews</i> , 2015, 43, 239.	1.6	0
48	The NULevel trial of a scalable, technology-assisted weight loss maintenance intervention for obese adults after clinically significant weight loss: study protocol for a randomised controlled trial. <i>Trials</i> , 2015, 16, 421.	0.7	26
49	The Clinical Relevance of the Percentage Flow-Mediated Dilatation Index. <i>Current Hypertension Reports</i> , 2015, 17, 4.	1.5	21
50	So what does this all mean?. <i>Physical Therapy in Sport</i> , 2015, 16, 1-2.	0.8	3
51	The Case for Magnitude-based Inference. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 885.	0.2	20
52	Multidimensional Physical Activity. <i>Exercise and Sport Sciences Reviews</i> , 2015, 43, 67-74.	1.6	80
53	Commentary: Why sprint interval training is inappropriate for a largely sedentary population. <i>Frontiers in Psychology</i> , 2015, 6, 1999.	1.1	37
54	Evaluating Intervention Fidelity: An Example from a High-Intensity Interval Training Study. <i>PLoS ONE</i> , 2015, 10, e0125166.	1.1	58

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55	Effect of Diet or Diet Plus Physical Activity Versus Usual Care on Inflammatory Markers in Patients with Newly Diagnosed Type 2 Diabetes: The Early ACTivity In Diabetes (ACTID) Randomized, Controlled Trial. <i>Journal of the American Heart Association</i> , 2014, 3, e000828.	1.6	21
56	Response to: "Allometric scaling of endothelium-dependent vasodilation: Brachial artery flow-mediated dilation coming of age". <i>Vascular Medicine</i> , 2014, 19, 142-143.	0.8	0
57	Gait Retraining and Incidence of Medial Tibial Stress Syndrome in Army Recruits. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1684-1692.	0.2	35
58	When will the most important confounder of percentage flow-mediated dilation be reported and adjusted for at the study level?. <i>International Journal of Cardiology</i> , 2014, 172, 261-262.	0.8	4
59	Blood pressure regulation VII. The "morning surge" in blood pressure: measurement issues and clinical significance. <i>European Journal of Applied Physiology</i> , 2014, 114, 521-529.	1.2	10
60	Effects of Low-Volume High-Intensity Interval Training (HIT) on Fitness in Adults: A Meta-Analysis of Controlled and Non-Controlled Trials. <i>Sports Medicine</i> , 2014, 44, 1005-1017.	3.1	270
61	From animal cage to aircraft cabin: an overview of evidence translation in jet lag research. <i>European Journal of Applied Physiology</i> , 2014, 114, 2459-2468.	1.2	15
62	High-intensity interval exercise training before abdominal aortic aneurysm repair (HIT-AAA): protocol for a randomised controlled feasibility trial. <i>BMJ Open</i> , 2014, 4, e004094.	0.8	28
63	Baseline Artery Diameter: The Hidden Confounder in Research Syntheses on Human Endothelial Function?. <i>Heart Lung and Circulation</i> , 2014, 23, 98-99.	0.2	4
64	Analgesic Efficacy of High-Frequency Spinal Cord Stimulation: A Randomized Double-Blind Placebo-Controlled Study. <i>Neuromodulation</i> , 2013, 16, 363-369.	0.4	153
65	Allometric scaling of diameter change in the original flow-mediated dilation protocol. <i>Atherosclerosis</i> , 2013, 226, 425-427.	0.4	178
66	Response to "Adjusting for brachial artery diameter in the analysis of flow-mediated dilatation: Pitfalls of a landmark paper". <i>Atherosclerosis</i> , 2013, 228, 282-283.	0.4	2
67	The percentage flow-mediated dilation index: A large-sample investigation of its appropriateness, potential for bias and causal nexus in vascular medicine. <i>Vascular Medicine</i> , 2013, 18, 354-365.	0.8	97
68	Scaling of Peak Oxygen Uptake in Children. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 2341-2345.	0.2	27
69	Emergence of Large Treatment Effects From Small Trials. <i>JAMA - Journal of the American Medical Association</i> , 2013, 309, 768.	3.8	7
70	Bolus Intrathecal Injection of Ziconotide (Prialt®) to Evaluate the Option of Continuous Administration via an Implanted Intrathecal Drug Delivery (ITDD) System: A Pilot Study. <i>Neuromodulation</i> , 2013, 16, 576-582.	0.4	28
71	A new approach to improve the specificity of flow-mediated dilation for indicating endothelial function in cardiovascular research. <i>Journal of Hypertension</i> , 2013, 31, 287-291.	0.3	162
72	Reply to Stoner et al. regarding "A new approach to improve the specificity of flow-mediated dilation for indicating endothelial function in cardiovascular research". <i>Journal of Hypertension</i> , 2013, 31, 1058.	0.3	0

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73	Towards Integrated Physical Activity Profiling. PLoS ONE, 2013, 8, e56427.	1.1	38
74	The development and evaluation of a novel Internet-based computer program to assess previous-day dietary and physical activity behaviours in adults: the Synchronised Nutrition and Activity Program for Adults (SNAPA <sup>®</sup> ). British Journal of Nutrition, 2012, 107, 1221-1231.	1.2	12
75	The Right Ventricle of the Endurance Athlete: The Relationship between Morphology and Deformation. Journal of the American Society of Echocardiography, 2012, 25, 263-271.	1.2	140
76	Evaluating the Feasibility of Measuring Travel to School Using a Wearable Camera. American Journal of Preventive Medicine, 2012, 43, 546-550.	1.6	56
77	A community-based health promotion intervention using brief negotiation techniques and a pledge on dietary intake, physical activity levels and weight outcomes: lessons learnt from an exploratory trial. Public Health Nutrition, 2012, 15, 1446-1455.	1.1	18
78	Statistical perspectives: all together NOT. British Journal of Pharmacology, 2012, 165, 782-784.	2.7	2
79	Statistical perspectives: all together NOT. Experimental Physiology, 2011, 96, 1321-1323.	0.9	4
80	Reduction in Physical Match Performance at the Start of the Second Half in Elite Soccer. International Journal of Sports Physiology and Performance, 2011, 6, 174-182.	1.1	47
81	Statistical Perspectives: All Together NOT. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 914-916.	0.9	1
82	Appropriate within-subjects statistical models for the analysis of baroreflex sensitivity. Clinical Physiology and Functional Imaging, 2011, 31, 80-82.	0.5	21
83	Effects of Flow Rate Modifications on Reported Analgesia and Quality of Life in Chronic Pain Patients Treated with Continuous Intrathecal Drug Therapy. Pain Medicine, 2011, 12, 571-576.	0.9	25
84	Statistical Perspectives: All Together NOT. Microcirculation, 2011, 18, 677-679.	1.0	4
85	Statistical perspectives: all together NOT. Journal of Physiology, 2011, 589, 5327-5329.	1.3	4
86	Can we use digital life-log images to investigate active and sedentary travel behaviour? Results from a pilot study. International Journal of Behavioral Nutrition and Physical Activity, 2011, 8, 44.	2.0	110
87	Elite Sprinting. Medicine and Science in Sports and Exercise, 2011, 43, 1055-1062.	0.2	111
88	Growth of Left Ventricular Mass with Military Basic Training in Army Recruits. Medicine and Science in Sports and Exercise, 2011, 43, 1295-1300.	0.2	7
89	Group- and individual-level coincidence of the $\dot{V}_{O_{2max}}$ and lactate accumulation in adolescents. European Journal of Applied Physiology, 2010, 109, 1145-1153.	1.2	18
90	Confusion and Conflict in Assessing the Physical Activity Status of Middle-Aged Men. PLoS ONE, 2009, 4, e4337.	1.1	40

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91	Interpretation of two-dimensional and tissue Doppler-derived strain ( $\hat{\Delta}$ ) and strain rate data: is there a need to normalize for individual variability in left ventricular morphology?. <i>European Journal of Echocardiography</i> , 2009, 10, 677-682.	2.3	41
92	Is the ratio of flow-mediated dilation and shear rate a statistically sound approach to normalization in cross-sectional studies on endothelial function?. <i>Journal of Applied Physiology</i> , 2009, 107, 1893-1899.	1.2	91
93	Lifestyle factors and colorectal cancer risk (2): a systematic review and meta-analysis of associations with leisure-time physical activity. <i>Colorectal Disease</i> , 2009, 11, 689-701.	0.7	177
94	Progressive Statistics for Studies in Sports Medicine and Exercise Science. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 3-12.	0.2	6,083
95	Teesside Schools Health Study: Body mass index surveillance in special needs and mainstream school children. <i>Public Health</i> , 2008, 122, 251-254.	1.4	12
96	Longitudinal plane colour tissue-Doppler myocardial velocities and their association with left ventricular length, volume, and mass in humans. <i>European Journal of Echocardiography</i> , 2008, 9, 542-546.	2.3	46
97	Effect of a 9-Wk. after-School Multiskills Club on Fundamental Movement Skill Proficiency in 8- to 9-Yr.-Old Children: An Exploratory Trial. <i>Perceptual and Motor Skills</i> , 2008, 106, 745-754.	0.6	22
98	The development and evaluation of a novel computer program to assess previous-day dietary and physical activity behaviours in school children: The Synchronised Nutrition and Activity Program (SNAP). <i>British Journal of Nutrition</i> , 2008, 99, 1266-1274.	1.2	77
99	An Imaginary Bayesian Monster. <i>International Journal of Sports Physiology and Performance</i> , 2008, 3, 411-412.	1.1	4
100	Trends in maternal obesity incidence rates, demographic predictors, and health inequalities in 36 821 women over a 15-year period. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2007, 114, 187-194.	1.1	294
101	Assessment of Low-to-Moderate Intensity Physical Activity Thermogenesis in Young Adults Using Synchronized Heart Rate and Accelerometry with Branched-Equation Modeling. <i>Journal of Nutrition</i> , 2006, 136, 1037-1042.	1.3	103
102	Making Meaningful Inferences About Magnitudes. <i>International Journal of Sports Physiology and Performance</i> , 2006, 1, 50-57.	1.1	1,559
103	Scaling of maximal oxygen uptake by lower leg muscle volume in boys and men. <i>Journal of Applied Physiology</i> , 2006, 100, 1851-1856.	1.2	58
104	REPLY TO BAKER AND DAVIES. <i>Journal of Applied Physiology</i> , 2006, 101, 1535-1535.	1.2	0
105	Making meaningful inferences about magnitudes. <i>International Journal of Sports Physiology and Performance</i> , 2006, 1, 50-7.	1.1	524
106	How big does my sample need to be? A primer on the murky world of sample size estimation. <i>Physical Therapy in Sport</i> , 2005, 6, 153-163.	0.8	83
107	Reliability of maximal strength testing in older adults. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004, 85, 329-334.	0.5	97
108	Validity in clinical research: a review of basic concepts and definitions. <i>Physical Therapy in Sport</i> , 2003, 4, 115-121.	0.8	16



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109	Reliability in evidence-based clinical practice: a primer for allied health professionals†. Physical Therapy in Sport, 2003, 4, 122-128.	0.8	84
110	Validity of the allometric cascade model at submaximal and maximal metabolic rates in exercising men. Respiratory Physiology and Neurobiology, 2003, 135, 103-106.	0.7	26
111	Scaling Behavior of $\dot{V}O_{2peak}$ in Trained Wheelchair Athletes. Medicine and Science in Sports and Exercise, 2003, 35, 2106-2111.	0.2	30
112	Clinically Relevant?. Clinical Journal of Sport Medicine, 2002, 12, 328-330.	0.9	2
113	The reproducibility of estimates of critical power and anaerobic work capacity in upper-body exercise. European Journal of Applied Physiology, 2002, 87, 43-49.	1.2	16
114	Peak power output, the lactate threshold, and time trial performance in cyclists. Medicine and Science in Sports and Exercise, 2001, 33, 2077-2081.	0.2	87
115	Validity in clinical research: a review of basic concepts and definitions. Physical Therapy in Sport, 2000, 1, 19-27.	0.8	23
116	Reliability in evidence-based clinical practice: a primer for allied health professionals. Physical Therapy in Sport, 2000, 1, 54-62.	0.8	37
117	The reliability and validity of the "Tape"™ and "Block"™ methods for assessing anatomical leg-length discrepancy. Physical Therapy in Sport, 2000, 1, 91-99.	0.8	9
118	Modeling the influence of body size on $\dot{V}E_{peak}^{max}$ : effects of model choice and body composition. Journal of Applied Physiology, 1999, 87, 1317-1325.	1.2	64
119	Assessment of Bias in Comparing Measurements: A Reliability Example. Measurement in Physical Education and Exercise Science, 1999, 3, 195-205.	1.3	17
120	Stability of questionnaire items in sport and exercise psychology: Bootstrap limits of agreement. Journal of Sports Sciences, 1999, 17, 725-734.	1.0	12
121	Validation of the Wilks powerlifting formula. Medicine and Science in Sports and Exercise, 1999, 31, 1869.	0.2	55
122	Echocardiographic evidence of concentric left ventricular enlargement in female weight lifters. European Journal of Applied Physiology, 1998, 79, 88-92.	1.2	30
123	Modeling the influence of body size and composition on M-mode echocardiographic dimensions. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H701-H708.	1.5	17
124	The impact of scalar variable and process on athlete-control comparisons of cardiac dimensions. Medicine and Science in Sports and Exercise, 1998, 30, 824-830.	0.2	24
125	Exercise training induced alterations in prepubertal children's lipid-lipoprotein profile. Medicine and Science in Sports and Exercise, 1998, 30, 1684-1692.	0.2	52
126	The impact of scalar variable and process on athlete-control comparisons of cardiac dimensions. Medicine and Science in Sports and Exercise, 1998, 30, 824-830.	0.2	15



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127	Allometric modeling does not determine a dimensionless power function ratio for maximal muscular function. <i>Journal of Applied Physiology</i> , 1997, 83, 2158-2166.	1.2	82
128	Nevill's explanation of Kleiber's 0.75 mass exponent: an artifact of collinearity problems in least squares models?. <i>Journal of Applied Physiology</i> , 1997, 82, 693-697.	1.2	32
129	Allometric scaling of left ventricular mass by body dimensions in males and females. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 181-186.	0.2	69
130	Allometry of Anaerobic Performance: A Gender Comparison. <i>Applied Physiology, Nutrition, and Metabolism</i> , 1996, 21, 48-62.	1.7	22