David C Clarke

List of Publications by Year
in descending order

33 papers	774 citations	759055 12 h-index	610775 24 g-index
36 all docs	36 docs citations	36 times ranked	1114 citing authors

#	Article	IF	Citations
1	Ketogenic diet for mitochondrial disease: potential role in treating the Multiple Symmetric Lipomatosis phenotype associated with the common MT-TK genetic mutation. Orphanet Journal of Rare Diseases, 2022, 17, 12.	1.2	1
2	Low Energy Availability and Relative Energy Deficiency in Sport: What Coaches Should Know. International Journal of Sports Science and Coaching, 2022, 17, 445-460.	0.7	6
3	The Wâ€² Balance Model: Mathematical and Methodological Considerations. International Journal of Sports Physiology and Performance, 2021, 16, 1561-1572.	1.1	13
4	ADP is the dominant controller of AMP-activated protein kinase activity dynamics in skeletal muscle during exercise. PLoS Computational Biology, 2020, 16, e1008079.	1.5	13
5	Development and field validation of an omni-domain power-duration model. Journal of Sports Sciences, 2020, 38, 801-813.	1.0	6
6	Development of a Feedback System to Control Power in Cycling. Proceedings (mdpi), 2020, 49, .	0.2	1
7	Self-initiated lifestyle interventions lead to potential insight into an effective, alternative, non-surgical therapy for mitochondrial disease associated multiple symmetric lipomatosis. Mitochondrion, 2020, 52, 183-189.	1.6	2
8	Formative Evaluation of Consumer-Grade Activity Monitors Worn by Older Adults: Test-Retest Reliability and Criterion Validity of Step Counts. JMIR Formative Research, 2020, 4, e16537.	0.7	10
9	Title is missing!. , 2020, 16, e1008079.		0
10	Title is missing!. , 2020, 16, e1008079.		0
11	Title is missing!. , 2020, 16, e1008079.		0
12	Title is missing!. , 2020, 16, e1008079.		0
13	Title is missing!. , 2020, 16, e1008079.		0
14	Title is missing!. , 2020, 16, e1008079.		0
15	The Critical Power Model as a Potential Tool for Anti-doping. Frontiers in Physiology, 2018, 9, 643.	1.3	12
16	Studying Cellular Signal Transduction with OMIC Technologies. Journal of Molecular Biology, 2015, 427, 3416-3440.	2.0	4
17	Intramuscular determinants of the ability to recover work capacity above critical power. European Journal of Applied Physiology, 2015, 115, 703-713.	1.2	48
18	Effect of Work and Recovery Durations on Wâ€² Reconstitution during Intermittent Exercise. Medicine and Science in Sports and Exercise, 2014, 46, 1433-1440.	0.2	54

#	Article	IF	Citations
19	Validation of a Novel Intermittent Wâ€² Model for Cycling Using Field Data. International Journal of Sports Physiology and Performance, 2014, 9, 900-904.	1.1	46
20	Normalization and Statistical Analysis of Multiplexed Bead-based Immunoassay Data Using Mixed-effects Modeling. Molecular and Cellular Proteomics, 2013, 12, 245-262.	2.5	21
21	Rationale and resources for teaching the mathematical modeling of athletic training and performance. American Journal of Physiology - Advances in Physiology Education, 2013, 37, 134-152.	0.8	55
22	Attenuated thermoregulatory, metabolic, and liver acute phase protein response to heat stroke in TNF receptor knockout mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R1421-R1432.	0.9	26
23	Linking Proteomic and Transcriptional Data through the Interactome and Epigenome Reveals a Map of Oncogene-induced Signaling. PLoS Computational Biology, 2013, 9, e1002887.	1.5	48
24	Early Activation of Liver Apoptotic Signaling Pathways during Heat Stroke Recovery in Mice. FASEB Journal, 2013, 27, 1201.7.	0.2	1
25	A computerâ€controlled system for simulating heat stroke in vitro. FASEB Journal, 2013, 27, 1201.8.	0.2	0
26	Multi-pathway network analysis of mammalian epithelial cell responses in inflammatory environments. Biochemical Society Transactions, 2012, 40, 133-138.	1.6	3
27	Training Signaling Pathway Maps to Biochemical Data with Constrained Fuzzy Logic: Quantitative Analysis of Liver Cell Responses to Inflammatory Stimuli. PLoS Computational Biology, 2011, 7, e1001099.	1.5	113
28	Measuring the Absolute Abundance of the Smad Transcription Factors Using Quantitative Immunoblotting. Methods in Molecular Biology, 2010, 647, 357-376.	0.4	7
29	Transforming Growth Factor Î² Depletion Is the Primary Determinant of Smad Signaling Kinetics. Molecular and Cellular Biology, 2009, 29, 2443-2455.	1.1	61
30	Decoding the quantitative nature of TGF-Î²/Smad signaling. Trends in Cell Biology, 2008, 18, 430-442.	3.6	80
31	Activation of Mps1 Promotes Transforming Growth Factor-Î²-independent Smad Signaling. Journal of Biological Chemistry, 2007, 282, 18327-18338.	1.6	60
32	Letter to the Editor. American Journal of Physiology - Advances in Physiology Education, 2004, 28, 128-128.	0.8	0
33	Overexpression of membrane-associated fatty acid binding protein (FABPpm) in vivo increases fatty acid sarcolemmal transport and metabolism. Physiological Genomics, 2004, 17, 31-37.	1.0	82