

David C Clarke

List of Publications by Year in descending order

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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	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
2	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
3	Decoding the quantitative nature of TGF- β /Smad signaling. Trends in Cell Biology, 2008, 18, 430-442.	3.6	80
4	Transforming Growth Factor β Depletion Is the Primary Determinant of Smad Signaling Kinetics. Molecular and Cellular Biology, 2009, 29, 2443-2455.	1.1	61
5	Activation of Mps1 Promotes Transforming Growth Factor- β -independent Smad Signaling. Journal of Biological Chemistry, 2007, 282, 18327-18338.	1.6	60
6	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
7	Effect of Work and Recovery Durations on $\dot{V}O_2$ Reconstitution during Intermittent Exercise. Medicine and Science in Sports and Exercise, 2014, 46, 1433-1440.	0.2	54
8	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
9	Intramuscular determinants of the ability to recover work capacity above critical power. European Journal of Applied Physiology, 2015, 115, 703-713.	1.2	48
10	Validation of a Novel Intermittent $\dot{V}O_2$ Model for Cycling Using Field Data. International Journal of Sports Physiology and Performance, 2014, 9, 900-904.	1.1	46
11	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
12	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
13	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
14	The $\dot{V}O_2$ Balance Model: Mathematical and Methodological Considerations. International Journal of Sports Physiology and Performance, 2021, 16, 1561-1572.	1.1	13
15	The Critical Power Model as a Potential Tool for Anti-doping. Frontiers in Physiology, 2018, 9, 643.	1.3	12
16	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
17	Measuring the Absolute Abundance of the Smad Transcription Factors Using Quantitative Immunoblotting. Methods in Molecular Biology, 2010, 647, 357-376.	0.4	7
18	Development and field validation of an omni-domain power-duration model. Journal of Sports Sciences, 2020, 38, 801-813.	1.0	6

#	ARTICLE	IF	CITATIONS
19	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
20	Studying Cellular Signal Transduction with OMIC Technologies. Journal of Molecular Biology, 2015, 427, 3416-3440.	2.0	4
21	Multi-pathway network analysis of mammalian epithelial cell responses in inflammatory environments. Biochemical Society Transactions, 2012, 40, 133-138.	1.6	3
22	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
23	Development of a Feedback System to Control Power in Cycling. Proceedings (mdpi), 2020, 49, .	0.2	1
24	Early Activation of Liver Apoptotic Signaling Pathways during Heat Stroke Recovery in Mice. FASEB Journal, 2013, 27, 1201.7.	0.2	1
25	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
26	Letter to the Editor. American Journal of Physiology - Advances in Physiology Education, 2004, 28, 128-128.	0.8	0
27	A computer-controlled system for simulating heat stroke in vitro. FASEB Journal, 2013, 27, 1201.8.	0.2	0
28	Title is missing!. , 2020, 16, e1008079.		0
29	Title is missing!. , 2020, 16, e1008079.		0
30	Title is missing!. , 2020, 16, e1008079.		0
31	Title is missing!. , 2020, 16, e1008079.		0
32	Title is missing!. , 2020, 16, e1008079.		0
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