

Dimitris Parthimos

List of Publications by Year in descending order

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papers

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1039880

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#	ARTICLE	IF	CITATIONS
1	Essential Role of the EF-hand Domain in Targeting Sperm Phospholipase C β 1 to Membrane Phosphatidylinositol 4,5-Bisphosphate (PIP $_2$). <i>Journal of Biological Chemistry</i> , 2015, 290, 29519-29530.	1.6	35
2	Chimeras of sperm PLC β reveal disparate protein domain functions in the generation of intracellular Ca $^{2+}$ oscillations in mammalian eggs at fertilization. <i>Molecular Human Reproduction</i> , 2013, 19, 852-864.	1.3	34
3	Human PLC β exhibits superior fertilization potency over mouse PLC β in triggering the Ca $^{2+}$ oscillations required for mammalian oocyte activation. <i>Molecular Human Reproduction</i> , 2014, 20, 489-498.	1.3	31
4	An advanced computational bioheat transfer model for a human body with an embedded systemic circulation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 1173-1190.	1.4	23
5	Influence of ageing on human body blood flow and heat transfer: A detailed computational modelling study. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e3120.	1.0	19
6	A network-oriented perspective on cardiac calcium signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C897-C910.	2.1	15
7	A multiscale active structural model of the arterial wall accounting for smooth muscle dynamics. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170732.	1.5	13
8	Deterministic nonlinear features of cutaneous perfusion are lost in diabetic subjects with neuropathy. <i>Microvascular Research</i> , 2011, 82, 42-51.	1.1	10
9	Stroma-derived extracellular vesicle mRNA signatures inform histological nature of prostate cancer. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12150.	5.5	10
10	Synergy Between Intercellular Communication and Intracellular Ca $^{2+}$ Handling in Arrhythmogenesis. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1614-1625.	1.3	9
11	Identification of an amino-terminus determinant critical for ryanodine receptor/Ca $^{2+}$ release channel function. <i>Cardiovascular Research</i> , 2021, 117, 780-791.	1.8	9
12	Modelling accidental hypothermia effects on a human body under different pathophysiological conditions. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 2155-2167.	1.6	8
13	Aquaglyceroporin-3 β 's Expression and Cellular Localization Is Differentially Modulated by Hypoxia in Prostate Cancer Cell Lines. <i>Cells</i> , 2021, 10, 838.	1.8	5
14	Vasomotion: the case for chaos. <i>Journal of Biorheology</i> , 2009, 23, 11-23.	0.2	4