

Adelle C F Coster

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,041
citations

279798

23
h-index

175258

52
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59
all docs

59
docs citations

59
times ranked

4324
citing authors

#	ARTICLE	IF	CITATIONS
1	Models of Membrane-Mediated Processes: Cascades and Cycles in Insulin Action. , 2021, , 143-155.		0
2	Holocene grinding stones at Madjedbebe reveal the processing of starchy plant taxa and animal tissue. Journal of Archaeological Science: Reports, 2021, 35, 102754.	0.5	5
3	Obesity and Insulin Resistance Are Inversely Associated with Serum and Adipose Tissue Carotenoid Concentrations in Adults. Journal of Nutrition, 2020, 150, 38-46.	2.9	45
4	Enhancing oncolytic virotherapy: Observations from a Voronoi Cell-Based model. Journal of Theoretical Biology, 2020, 485, 110052.	1.7	20
5	Irradiation impairs mitochondrial function and skeletal muscle oxidative capacity: significance for metabolic complications in cancer survivors. Metabolism: Clinical and Experimental, 2020, 103, 154025.	3.4	8
6	Tropical Foodways and Exchange along the Coastal Margin of Northeastern New Guinea. Journal of Field Archaeology, 2020, 45, 498-511.	1.3	2
7	From insulin to Akt: Time delays and dominant processes. Journal of Theoretical Biology, 2020, 507, 110454.	1.7	8
8	Functional studies of flaked and ground stone artefacts reveal starchy tree nut and root exploitation in mid-Holocene highland New Guinea. Holocene, 2020, 30, 1360-1374.	1.7	6
9	Emergence of a Neolithic in highland New Guinea by 5000 to 4000 years ago. Science Advances, 2020, 6, eaay4573.	10.3	18
10	Longitudinal Changes in Insulin Resistance in Normal Weight, Overweight and Obese Individuals. Journal of Clinical Medicine, 2019, 8, 623.	2.4	10
11	Ancient starch analysis of grinding stones from Kokatha Country, South Australia. Journal of Archaeological Science: Reports, 2019, 23, 178-188.	0.5	2
12	Crosstalk in transition: the translocation of Akt. Journal of Mathematical Biology, 2019, 78, 919-942.	1.9	5
13	Mathematical Modelling of the Interaction Between Cancer Cells and an Oncolytic Virus: Insights into the Effects of Treatment Protocols. Bulletin of Mathematical Biology, 2018, 80, 1615-1629.	1.9	49
14	Interactions of tropomyosin Tpm1.1 on a single actin filament: A method for extraction and processing of high resolution TIRF microscopy data. PLoS ONE, 2018, 13, e0208586.	2.5	8
15	New Data from an Open Neolithic Site in Eastern Indonesia. Asian Perspectives, 2018, 57, 222-243.	0.1	9
16	Modelling heterogeneity in viral-tumour dynamics: The effects of gene-attenuation on viral characteristics. Journal of Theoretical Biology, 2018, 454, 41-52.	1.7	8
17	Modelling combined virotherapy and immunotherapy: strengthening the antitumour immune response mediated by IL-12 and GM-CSF expression. Letters in Biomathematics, 2018, 5, S99-S116.	0.1	7
18	Treating cancerous cells with viruses: insights from a minimal model for oncolytic virotherapy. Letters in Biomathematics, 2018, 5, S117-S136.	0.1	9

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19	The Shape of Things to Come—Using Geometric and Morphometric Analyses to Identify Archaeological Starch Grains. <i>Mathematics for Industry</i> , 2018, , 1-6.	0.4	2
20	Association of muscle lipidomic profile with high-fat diet-induced insulin resistance across five mouse strains. <i>Scientific Reports</i> , 2017, 7, 13914.	3.3	26
21	Rab14 limits the sorting of Glut4 from endosomes into insulin-sensitive regulated secretory compartments in adipocytes. <i>Biochemical Journal</i> , 2016, 473, 1315-1327.	3.7	30
22	Regulation of glucose homeostasis and insulin action by ceramide acyl-chain length: A beneficial role for very long-chain sphingolipid species. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1828-1839.	2.4	66
23	Human-environment dynamics during the Holocene in the Australian Wet Tropics of NE Queensland: A starch and phytolith study. <i>Journal of Anthropological Archaeology</i> , 2016, 44, 216-234.	1.6	20
24	Effect of surface chemistry on tropomyosin binding to actin filaments on surfaces. <i>Cytoskeleton</i> , 2016, 73, 729-738.	2.0	8
25	Skeletal muscle and plasma lipidomic signatures of insulin resistance and overweight/obesity in humans. <i>Obesity</i> , 2016, 24, 908-916.	3.0	138
26	The impact of tropomyosins on actin filament assembly is isoform specific. <i>Bioarchitecture</i> , 2016, 6, 61-75.	1.5	49
27	Hyperactivation of the Insulin Signaling Pathway Improves Intracellular Proteostasis by Coordinately Up-regulating the Proteostatic Machinery in Adipocytes. <i>Journal of Biological Chemistry</i> , 2016, 291, 25629-25640.	3.4	15
28	The Akt switch model: Is location sufficient?. <i>Journal of Theoretical Biology</i> , 2016, 398, 103-111.	1.7	6
29	Binding of transcription factor GabR to DNA requires recognition of DNA shape at a location distinct from its cognate binding site. <i>Nucleic Acids Research</i> , 2016, 44, 1411-1420.	14.5	35
30	Glut4 Is Sorted from a Rab10 GTPase-independent Constitutive Recycling Pathway into a Highly Insulin-responsive Rab10 GTPase-dependent Sequestration Pathway after Adipocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2016, 291, 773-789.	3.4	20
31	Dietary acid load, metabolic acidosis and insulin resistance — Lessons from cross-sectional and overfeeding studies in humans. <i>Clinical Nutrition</i> , 2016, 35, 1084-1090.	5.0	42
32	Actin Tropomyosin Assembly Intermediates. <i>Biophysical Journal</i> , 2015, 108, 298a.	0.5	0
33	A receptor state space model of the insulin signalling system in glucose transport. <i>Mathematical Medicine and Biology</i> , 2015, 32, dqv003.	1.2	1
34	What starch grain is that? — A geometric morphometric approach to determining plant species origin. <i>Journal of Archaeological Science</i> , 2015, 58, 9-25.	2.4	36
35	Selective Insulin Resistance in Adipocytes. <i>Journal of Biological Chemistry</i> , 2015, 290, 11337-11348.	3.4	85
36	Insulin-regulated Glut4 Translocation. <i>Journal of Biological Chemistry</i> , 2014, 289, 17280-17298.	3.4	67

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37	Glycemic Effects and Safety of L-Glutamine Supplementation with or without Sitagliptin in Type 2 Diabetes Patientsâ€”A Randomized Study. PLoS ONE, 2014, 9, e113366.	2.5	21
38	Impaired Akt phosphorylation in insulin-resistant human muscle is accompanied by selective and heterogeneous downstream defects. Diabetologia, 2013, 56, 875-885.	6.3	81
39	The effect of short-term overfeeding on serum lipids in healthy humans. Obesity, 2013, 21, E649-59.	3.0	48
40	The Effect of Gap Junction Conductance on Synchronisation of Sinoatrial Node Central Cells. , 2011, , .		0
41	Cluster Analysis of Insulin Action in Adipocytes Reveals a Key Role for Akt at the Plasma Membrane. Journal of Biological Chemistry, 2010, 285, 2245-2257.	3.4	45
42	Kinetic Evidence for Unique Regulation of GLUT4 Trafficking by Insulin and AMP-activated Protein Kinase Activators in L6 Myotubes. Journal of Biological Chemistry, 2010, 285, 1653-1660.	3.4	67
43	Muscling in on GLUT4 kinetics. Communicative and Integrative Biology, 2010, 3, 260-262.	1.4	11
44	The Synchronization of Sinoatrial Node Cells: The Transition from Centre to Periphery. , 2010, , .		0
45	Ionic double layer of atomically flat gold formed on mica templates. Electrochimica Acta, 2009, 54, 3766-3774.	5.2	17
46	Automatic identification of fusion events in TIRF microscopy image sequences. , 2009, , .		8
47	High-Throughput Analysis of the Dynamics of Recycling Cell Surface Proteins. Methods in Molecular Biology, 2008, 440, 129-146.	0.9	12
48	Noise accelerates synchronization of coupled nonlinear oscillators. Physical Review E, 2006, 74, 041128.	2.1	2
49	Modelling Cardiac Dynamics with Integral Pulse Frequency Modulated Units. , 2005, 2006, 933-5.		0
50	Insulin Increases Cell Surface GLUT4 Levels by Dose Dependently Discharging GLUT4 into a Cell Surface Recycling Pathway. Molecular and Cellular Biology, 2004, 24, 6456-6466.	2.3	203
51	Insulin Stimulates the Entry of GLUT4 into the Endosomal Recycling Pathway by a Quantal Mechanism. Traffic, 2004, 5, 763-771.	2.7	61
52	Classification of basic daily movements using a triaxial accelerometer. Medical and Biological Engineering and Computing, 2004, 42, 679-687.	2.8	369
53	Accelerometry: providing an integrated, practical method for long-term, ambulatory monitoring of human movement. Physiological Measurement, 2004, 25, R1-R20.	2.1	694
54	A pilot study of long-term monitoring of human movements in the home using accelerometry. Journal of Telemedicine and Telecare, 2004, 10, 144-151.	2.7	134

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55	Phase Response of Model Sinoatrial Node Cells. <i>Annals of Biomedical Engineering</i> , 2003, 31, 271-283.	2.5	14
56	Detection of daily physical activities using a triaxial accelerometer. <i>Medical and Biological Engineering and Computing</i> , 2003, 41, 296-301.	2.8	205
57	Expectation and conditioning. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 290, 251-267.	2.6	4
58	Impedance spectroscopy of interfaces, membranes and ultrastructures. <i>Bioelectrochemistry</i> , 1996, 40, 79-98.	1.0	180