

CÃ©line Aguer

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,310
citations

471509

17
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

2664
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute exposure to environmentally relevant levels of DDT alters muscle mitochondrial function in vivo in rats but not in vitro in L6 myotubes: A pilot study. <i>Toxicology Reports</i> , 2022, 9, 487-498.	3.3	7
2	Bisphenols and the Development of Type 2 Diabetes: The Role of the Skeletal Muscle and Adipose Tissue. <i>Environments - MDPI</i> , 2021, 8, 35.	3.3	4
3	Placental superoxide dismutase 3 mediates benefits of maternal exercise on offspring health. <i>Cell Metabolism</i> , 2021, 33, 939-956.e8.	16.2	49
4	The effects of acute BPA exposure on skeletal muscle mitochondrial function and glucose metabolism. <i>Molecular and Cellular Endocrinology</i> , 2020, 499, 110580.	3.2	11
5	Editorial: The Role of the Muscle Secretome in Health and Disease. <i>Frontiers in Physiology</i> , 2020, 11, 1101.	2.8	9
6	Effects of PCB126 on Adipose-to-Muscle Communication in an in Vitro Model. <i>Environmental Health Perspectives</i> , 2020, 128, 107002.	6.0	9
7	The effects of bisphenol A and bisphenol S on adipokine expression and glucose metabolism in human adipose tissue. <i>Toxicology</i> , 2020, 445, 152600.	4.2	16
8	Plasma Myokine Concentrations After Acute Exercise in Non-obese and Obese Sedentary Women. <i>Frontiers in Physiology</i> , 2020, 11, 18.	2.8	29
9	Pimozide Alleviates Hyperglycemia in Diet-Induced Obesity by Inhibiting Skeletal Muscle Ketone Oxidation. <i>Cell Metabolism</i> , 2020, 31, 909-919.e8.	16.2	37
10	Intervention Strategies for Prevention of Comorbid Depression Among Individuals With Type 2 Diabetes: A Scoping Review. <i>Frontiers in Public Health</i> , 2019, 7, 35.	2.7	5
11	Reply to "Discussion of "Interleukin-15 as a myokine: mechanistic insight into its effect on skeletal muscle metabolism" " Interleukin-15 and interleukin-15R α -dependent/-independent functions in human skeletal muscle are largely unknown". <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 338-339.	1.9	2
12	Examination of the Myokine Response in Pregnant and Non-pregnant Women Following an Acute Bout of Moderate-Intensity Walking. <i>Frontiers in Physiology</i> , 2019, 10, 1188.	2.8	14
13	Interleukin-15 as a myokine: mechanistic insight into its effect on skeletal muscle metabolism. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 229-238.	1.9	53
14	IL-15 improves skeletal muscle oxidative metabolism and glucose uptake in association with increased respiratory chain supercomplex formation and AMPK pathway activation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 395-407.	2.4	32
15	Polychlorinated biphenyl 126 exposure in rats alters skeletal muscle mitochondrial function. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2375-2386.	5.3	10
16	A role for maternally derived myokines to optimize placental function and fetal growth across gestation. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 459-469.	1.9	12
17	Four-week cold acclimation in adult humans shifts uncoupling thermogenesis from skeletal muscles to brown adipose tissue. <i>Journal of Physiology</i> , 2017, 595, 2099-2113.	2.9	95
18	A novel amino acid and metabolomics signature in mice overexpressing muscle uncoupling protein 3. <i>FASEB Journal</i> , 2017, 31, 814-827.	0.5	18

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19	Role of Environmental Pollutants in Skeletal Muscle Insulin Resistance and Mitochondrial Dysfunction. <i>Environment and Natural Resources Research</i> , 2016, 6, 60.	0.1	1
20	Polychlorinated biphenyl 126 exposure in L6 myotubes alters glucose metabolism: a pilot study. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8133-8140.	5.3	14
21	Severely obese adolescent girls rely earlier on carbohydrates during walking than normal-weight matched girls. <i>Journal of Sports Sciences</i> , 2015, 33, 1871-1880.	2.0	1
22	Acylcarnitines: potential implications for skeletal muscle insulin resistance. <i>FASEB Journal</i> , 2015, 29, 336-345.	0.5	191
23	Increased proton leak and SOD2 expression in myotubes from obese non-diabetic subjects with a family history of type 2 diabetes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1624-1633.	3.8	15
24	Muscle uncoupling protein 3 overexpression mimics endurance training and reduces circulating biomarkers of incomplete β -oxidation. <i>FASEB Journal</i> , 2013, 27, 4213-4225.	0.5	43
25	Intrinsic aerobic capacity correlates with greater inherent mitochondrial oxidative and H_2O_2 emission capacities without major shifts in myosin heavy chain isoform. <i>Journal of Applied Physiology</i> , 2012, 113, 1624-1634.	2.5	27
26	Skeletal muscle mitochondrial energetics in obesity and type 2 diabetes mellitus: Endocrine aspects. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012, 26, 805-819.	4.7	19
27	Calorie restriction in mice overexpressing UCP3: Evidence that prior mitochondrial uncoupling alters response. <i>Experimental Gerontology</i> , 2012, 47, 361-371.	2.8	11
28	Abnormal metabolism flexibility in response to high palmitate concentrations in myotubes derived from obese type 2 diabetic patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 423-430.	3.8	25
29	Increased FAT/CD36 Cycling and Lipid Accumulation in Myotubes Derived from Obese Type 2 Diabetic Patients. <i>PLoS ONE</i> , 2011, 6, e28981.	2.5	34
30	Hexokinase II acts through UCP3 to suppress mitochondrial reactive oxygen species production and maintain aerobic respiration. <i>Biochemical Journal</i> , 2011, 437, 301-311.	3.7	32
31	Glutathionylation Acts as a Control Switch for Uncoupling Proteins UCP2 and UCP3. <i>Journal of Biological Chemistry</i> , 2011, 286, 21865-21875.	3.4	156
32	Galactose Enhances Oxidative Metabolism and Reveals Mitochondrial Dysfunction in Human Primary Muscle Cells. <i>PLoS ONE</i> , 2011, 6, e28536.	2.5	198
33	Intramyocellular lipid accumulation is associated with permanent relocation ex vivo and in vitro of fatty acid translocase (FAT)/CD36 in obese patients. <i>Diabetologia</i> , 2010, 53, 1151-1163.	6.3	90
34	Naturally occurring R225W mutation of the gene encoding AMP-activated protein kinase (AMPK) β 3 results in increased oxidative capacity and glucose uptake in human primary myotubes. <i>Diabetologia</i> , 2010, 53, 1986-1997.	6.3	22
35	A 5-month weight-reduction programme has a positive effect on body composition, aerobic fitness, and habitual physical activity of severely obese girls: A pilot evaluation study. <i>Journal of Sports Sciences</i> , 2010, 28, 281-289.	2.0	10
36	Lipid content and response to insulin are not invariably linked in human muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2010, 315, 225-232.	3.2	7