

# 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	Galactose Enhances Oxidative Metabolism and Reveals Mitochondrial Dysfunction in Human Primary Muscle Cells. PLoS ONE, 2011, 6, e28536.	2.5	198
2	Acylcarnitines: potential implications for skeletal muscle insulin resistance. FASEB Journal, 2015, 29, 336-345.	0.5	191
3	Glutathionylation Acts as a Control Switch for Uncoupling Proteins UCP2 and UCP3. Journal of Biological Chemistry, 2011, 286, 21865-21875.	3.4	156
4	Four-week cold acclimation in adult humans shifts uncoupling thermogenesis from skeletal muscles to brown adipose tissue. Journal of Physiology, 2017, 595, 2099-2113.	2.9	95
5	Intramyocellular lipid accumulation is associated with permanent relocation ex vivo and in vitro of fatty acid translocase (FAT)/CD36 in obese patients. Diabetologia, 2010, 53, 1151-1163.	6.3	90
6	Interleukin-15 as a myokine: mechanistic insight into its effect on skeletal muscle metabolism. Applied Physiology, Nutrition and Metabolism, 2019, 44, 229-238.	1.9	53
7	Placental superoxide dismutase 3 mediates benefits of maternal exercise on offspring health. Cell Metabolism, 2021, 33, 939-956.e8.	16.2	49
8	Muscle uncoupling protein 3 overexpression mimics endurance training and reduces circulating biomarkers of incomplete $\beta$ -oxidation. FASEB Journal, 2013, 27, 4213-4225.	0.5	43
9	Pimozide Alleviates Hyperglycemia in Diet-Induced Obesity by Inhibiting Skeletal Muscle Ketone Oxidation. Cell Metabolism, 2020, 31, 909-919.e8.	16.2	37
10	Increased FAT/CD36 Cycling and Lipid Accumulation in Myotubes Derived from Obese Type 2 Diabetic Patients. PLoS ONE, 2011, 6, e28981.	2.5	34
11	Hexokinase II acts through UCP3 to suppress mitochondrial reactive oxygen species production and maintain aerobic respiration. Biochemical Journal, 2011, 437, 301-311.	3.7	32
12	IL-15 improves skeletal muscle oxidative metabolism and glucose uptake in association with increased respiratory chain supercomplex formation and AMPK pathway activation. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 395-407.	2.4	32
13	Plasma Myokine Concentrations After Acute Exercise in Non-obese and Obese Sedentary Women. Frontiers in Physiology, 2020, 11, 18.	2.8	29
14	Intrinsic aerobic capacity correlates with greater inherent mitochondrial oxidative and $H_2O_2$ emission capacities without major shifts in myosin heavy chain isoform. Journal of Applied Physiology, 2012, 113, 1624-1634.	2.5	27
15	Abnormal metabolism flexibility in response to high palmitate concentrations in myotubes derived from obese type 2 diabetic patients. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 423-430.	3.8	25
16	Naturally occurring R225W mutation of the gene encoding AMP-activated protein kinase (AMPK) $\beta$ 3 results in increased oxidative capacity and glucose uptake in human primary myotubes. Diabetologia, 2010, 53, 1986-1997.	6.3	22
17	Skeletal muscle mitochondrial energetics in obesity and type 2 diabetes mellitus: Endocrine aspects. Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 805-819.	4.7	19
18	A novel amino acid and metabolomics signature in mice overexpressing muscle uncoupling protein 3. FASEB Journal, 2017, 31, 814-827.	0.5	18

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	Calorie restriction in mice overexpressing UCP3: Evidence that prior mitochondrial uncoupling alters response. <i>Experimental Gerontology</i> , 2012, 47, 361-371.	2.8	11
25	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
26	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
27	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
28	Editorial: The Role of the Muscle Secretome in Health and Disease. <i>Frontiers in Physiology</i> , 2020, 11, 1101.	2.8	9
29	Effects of PCB126 on Adipose-to-Muscle Communication in an in Vitro Model. <i>Environmental Health Perspectives</i> , 2020, 128, 107002.	6.0	9
30	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
31	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
32	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
33	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
34	Reply to "Discussion of "Interleukin-15 as a myokine: mechanistic insight into its effect on skeletal muscle metabolism" " Interleukin-15 and interleukin-15R $\alpha$ -dependent/-independent functions in human skeletal muscle are largely unknown". <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 338-339.	1.9	2
35	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
36	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