

# CÃ©cile Polge

## List of Publications by Year in descending order

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37  
papers

2,089  
citations

279701

23  
h-index

330025

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Yeast Two-Hybrid, a Powerful Tool for Systems Biology. <i>International Journal of Molecular Sciences</i> , 2009, 10, 2763-2788.	1.8	436
2	SNF1/AMPK/SnRK1 kinases, global regulators at the heart of energy control?. <i>Trends in Plant Science</i> , 2007, 12, 20-28.	4.3	321
3	Muscle actin is polyubiquitinated <i>in vitro</i> and <i>in vivo</i> and targeted for breakdown by the E3 ligase MuRF1. <i>FASEB Journal</i> , 2011, 25, 3790-3802.	0.2	121
4	Evidence for the Existence in <i>Arabidopsis thaliana</i> of the Proteasome Proteolytic Pathway. <i>Journal of Biological Chemistry</i> , 2009, 284, 35412-35424.	1.6	101
5	Skeletal Muscle Lipid Content and Oxidative Activity in Relation to Muscle Fiber Type in Aging and Metabolic Syndrome. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 566-576.	1.7	93
6	Mitochondrial kinases and their molecular interaction with cardiolipin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 2032-2047.	1.4	82
7	Apoptosis in capillary endothelial cells in ageing skeletal muscle. <i>Aging Cell</i> , 2014, 13, 254-262.	3.0	77
8	AKIN1 <sup>23</sup> Contributes to SnRK1 Heterotrimeric Complexes and Interacts with Two Proteins Implicated in Plant Pathogen Resistance through Its KIS/GBD Sequence. <i>Plant Physiology</i> , 2006, 142, 931-944.	2.3	75
9	MuRF1/TRIM63, Master Regulator of Muscle Mass. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6663.	1.8	65
10	Proteomics of muscle chronological ageing in post-menopausal women. <i>BMC Genomics</i> , 2014, 15, 1165.	1.2	64
11	<i>in vitro</i> -Subunits of the SnRK1 Complexes Share a Common Ancestral Function Together with Expression and Function Specificities; Physical Interaction with Nitrate Reductase Specifically Occurs via AKIN1-Subunit. <i>Plant Physiology</i> , 2008, 148, 1570-1582.	2.3	58
12	Glutathione S-Transferases Interact with AMP-Activated Protein Kinase: Evidence for S-Glutathionylation and Activation In Vitro. <i>PLoS ONE</i> , 2013, 8, e62497.	1.1	56
13	Modifications in endopeptidase and 20S proteasome expression and activities in cadmium treated tomato ( <i>Solanum lycopersicum</i> L.) plants. <i>Planta</i> , 2008, 227, 625-639.	1.6	49
14	Skeletal muscle atrogenes: From rodent models to human pathologies. <i>Biochimie</i> , 2019, 166, 251-269.	1.3	43
15	Role of E2-Ub-conjugating enzymes during skeletal muscle atrophy. <i>Frontiers in Physiology</i> , 2015, 6, 59.	1.3	38
16	A muscle-specific MuRF1 <sup>E2</sup> network requires stabilization of MuRF1 <sup>E2</sup> complexes by telethonin, a newly identified substrate. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 129-145.	2.9	36
17	The worsening of tibialis anterior muscle atrophy during recovery post-immobilization correlates with enhanced connective tissue area, proteolysis, and apoptosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1335-E1347.	1.8	35
18	AKIN23, a plant specific SnRK1 protein, is lacking domains present in yeast and mammals non-catalytic $\gamma$ -subunits. <i>Plant Molecular Biology</i> , 2004, 56, 747-759.	2.0	34

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19	Ubiquitin Ligases at the Heart of Skeletal Muscle Atrophy Control. <i>Molecules</i> , 2021, 26, 407.	1.7	31
20	Muscle wasting in patients with end-stage renal disease or early-stage lung cancer: common mechanisms at work. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 323-337.	2.9	30
21	Lower skeletal muscle capillarization in hypertensive elderly men. <i>Experimental Gerontology</i> , 2016, 76, 80-88.	1.2	29
22	Docosahexaenoic acid supplementation prior to fasting prevents muscle atrophy in mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2016, 7, 587-603.	2.9	26
23	Homo-oligomerization and Activation of AMP-activated Protein Kinase Are Mediated by the Kinase Domain I $\pm$ C-Helix. <i>Journal of Biological Chemistry</i> , 2009, 284, 27425-27437.	1.6	25
24	UBE2B is implicated in myofibrillar protein loss in catabolic C2C12 myotubes. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2016, 7, 377-387.	2.9	22
25	UBE2D2 is not involved in MuRF1-dependent muscle wasting during hindlimb suspension. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 79, 488-493.	1.2	20
26	A two-dimensional screen for AMPK substrates identifies tumor suppressor fumarate hydratase as a preferential AMPK $\beta$ 2 substrate. <i>Journal of Proteomics</i> , 2012, 75, 3304-3313.	1.2	18
27	Deciphering the ubiquitin proteome: Limits and advantages of high throughput global affinity purification-mass spectrometry approaches. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2136-2146.	1.2	18
28	Muscle Proteomic and Transcriptomic Profiling of Healthy Aging and Metabolic Syndrome in Men. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4205.	1.8	15
29	The delayed recovery of the remobilized rat tibialis anterior muscle reflects a defect in proliferative and terminal differentiation that impairs early regenerative processes. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2015, 6, 73-83.	2.9	13
30	Mitophagy and Mitochondria Biogenesis Are Differentially Induced in Rat Skeletal Muscles during Immobilization and/or Remobilization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3691.	1.8	13
31	Upregulation of MuRF1 and MAFbx participates to muscle wasting upon gentamicin-induced acute kidney injury. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 79, 505-516.	1.2	12
32	UBE2L3, a Partner of MuRF1/TRIM63, Is Involved in the Degradation of Myofibrillar Actin and Myosin. <i>Cells</i> , 2021, 10, 1974.	1.8	9
33	UBE2E1 Is Preferentially Expressed in the Cytoplasm of Slow-Twitch Fibers and Protects Skeletal Muscles from Exacerbated Atrophy upon Dexamethasone Treatment. <i>Cells</i> , 2018, 7, 214.	1.8	7
34	Concurrent BMP Signaling Maintenance and TGF- $\beta$ 2 Signaling Inhibition Is a Hallmark of Natural Resistance to Muscle Atrophy in the Hibernating Bear. <i>Cells</i> , 2021, 10, 1873.	1.8	7
35	Magnesium transport and homeostasis-related gene expression in skeletal muscle of young and old adults: analysis of the transcriptomic data from the PROOF cohort Study. <i>Magnesium Research</i> , 2019, 32, 72-82.	0.4	4
36	A Single Bout of Ultra-Endurance Exercise Reveals Early Signs of Muscle Aging in Master Athletes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3713.	1.8	2

#	ARTICLE	IF	CITATIONS
37	A Surface Plasmon Resonance-Based Two-Dimensional Screen for Protein Kinase Substrates Identifies Fumarase as AMPK Target. Biophysical Journal, 2012, 102, 573a.	0.2	0