

# Carola U Niesler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8034320/publications.pdf>

Version: 2024-02-01

40  
papers

1,268  
citations

361296

20  
h-index

377752

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2030  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor Necrosis Factor- $\alpha$ Induces Apoptosis of Human Adipose Cells. <i>Diabetes</i> , 1997, 46, 1939-1944.	0.3	271
2	Specificity in ligand binding and intracellular signalling by insulin and insulin-like growth factor receptors. <i>Biochemical Society Transactions</i> , 2001, 29, 513-525.	1.6	137
3	p38 and JNK have distinct regulatory functions on the development of apoptosis during simulated ischaemia and reperfusion in neonatal cardiomyocytes. <i>Basic Research in Cardiology</i> , 2004, 99, 338-50.	2.5	76
4	TGF- $\beta$ 's delay skeletal muscle progenitor cell differentiation in an isoform-independent manner. <i>Experimental Cell Research</i> , 2009, 315, 373-384.	1.2	68
5	Optimization of the scratch assay for in vitro skeletal muscle wound healing analysis. <i>Analytical Biochemistry</i> , 2011, 411, 158-160.	1.1	68
6	The changing AMPK expression profile in differentiating mouse skeletal muscle myoblast cells helps confer increasing resistance to apoptosis. <i>Experimental Physiology</i> , 2007, 92, 207-217.	0.9	51
7	Rapid quantification of cellular proliferation and migration using ImageJ. <i>BioTechniques</i> , 2019, 66, 99-102.	0.8	51
8	IGF-I inhibits apoptosis induced by serum withdrawal, but potentiates TNF-alpha-induced apoptosis, in 3T3-L1 preadipocytes. <i>Journal of Endocrinology</i> , 2000, 167, 165-174.	1.2	44
9	MMP-14 in skeletal muscle repair. <i>Journal of Muscle Research and Cell Motility</i> , 2015, 36, 215-225.	0.9	38
10	Long-chain polyunsaturated fatty acids protect the heart against ischemia/reperfusion-induced injury via a MAPK dependent pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 39, 940-954.	0.9	35
11	Simultaneous isolation of enriched myoblasts and fibroblasts for migration analysis within a novel co-culture assay. <i>BioTechniques</i> , 2015, 58, 25-32.	0.8	35
12	In vitro myoblast motility models: investigating migration dynamics for the study of skeletal muscle repair. <i>Journal of Muscle Research and Cell Motility</i> , 2013, 34, 333-347.	0.9	32
13	Investigating the establishment of primary cell culture from different abalone ( <i>Haliotis midae</i> ) tissues. <i>Cytotechnology</i> , 2010, 62, 265-277.	0.7	29
14	ROCK $\alpha$ Is Associated With Focal Adhesion Maturation During Myoblast Migration. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1299-1307.	1.2	27
15	Dose-dependent modulation of myogenesis by HGF: implications for c-Met expression and downstream signalling pathways. <i>Growth Factors</i> , 2015, 33, 229-241.	0.5	26
16	A triple co-culture method to investigate the effect of macrophages and fibroblasts on myoblast proliferation and migration. <i>BioTechniques</i> , 2018, 64, 52-58.	0.8	25
17	Delayed wound healing and dysregulation of IL6/STAT3 signalling in MSCs derived from pre-diabetic obese mice. <i>Molecular and Cellular Endocrinology</i> , 2016, 426, 1-10.	1.6	23
18	Simple silicone chamber system for in vitro three-dimensional skeletal muscle tissue formation. <i>Frontiers in Physiology</i> , 2013, 4, 349.	1.3	22

#	ARTICLE	IF	CITATIONS
19	Comparison of anti-apoptotic signalling by the insulin receptor and IGF-I receptor in preadipocytes and adipocytes. <i>Cellular Signalling</i> , 2001, 13, 279-285.	1.7	21
20	The extracellular matrix regulates the effect of decorin and transforming growth factor beta-2 (TGF- $\beta$ 2) on myoblast migration. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 351-357.	1.0	21
21	Satellite cell count, <math>VO_{2max}</math>, and <math>p_{38}</math> MAPK in inactive to moderately active young men. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2012, 22, e38-44.	1.3	19
22	Decorin modulates collagen I-stimulated, but not fibronectin-stimulated, migration of C2C12 myoblasts. <i>Matrix Biology</i> , 2011, 30, 109-117.	1.5	18
23	TGF- $\beta$ 2 isoforms inhibit IGF-1-induced migration and regulate terminal differentiation in a cell-specific manner. <i>Journal of Muscle Research and Cell Motility</i> , 2011, 31, 359-367.	0.9	18
24	Analysis and quantification of in vitro myoblast fusion using the LADD Multiple Stain. <i>BioTechniques</i> , 2016, 61, 323-326.	0.8	18
25	Adipose depot-specific expression of cIAP2 in human preadipocytes and modulation of expression by serum factors and TNF $\alpha$ . <i>International Journal of Obesity</i> , 2001, 25, 1027-1033.	1.6	17
26	Potential Myogenic Stem Cell Populations: Sources, Plasticity, and Application for Cardiac Repair. <i>Stem Cells and Development</i> , 2009, 18, 813-830.	1.1	15
27	c-Fos immunoreactivity in selected brain regions of rats after heat exposure and pyrogen administration. <i>Brain Research</i> , 2006, 1120, 124-130.	1.1	12
28	Satellite cell pool expansion is affected by skeletal muscle characteristics. <i>Muscle and Nerve</i> , 2013, 48, 109-116.	1.0	11
29	A regenerative approach to the pharmacological management of hard-to-heal wounds. <i>Biochimie</i> , 2022, 196, 131-142.	1.3	9
30	Efficient transient genetic labeling of human CD34+progenitor cells for in vivo application. <i>Regenerative Medicine</i> , 2006, 1, 223-234.	0.8	7
31	TGF- $\beta$ 2 superfamily cytokines in wound healing. , 2001, , 173-198.		7
32	Cellular alignment and fusion: Quantifying the effect of macrophages and fibroblasts on myoblast terminal differentiation. <i>Experimental Cell Research</i> , 2018, 370, 542-550.	1.2	6
33	Ex vivo antioxidant preconditioning improves the survival rate of bone marrow stem cells in the presence of wound fluid. <i>Wound Repair and Regeneration</i> , 2020, 28, 506-516.	1.5	5
34	Co-culture of pro-inflammatory macrophages and myofibroblasts: Evaluating morphological phenotypes and screening the effects of signaling pathway inhibitors. <i>Physiological Reports</i> , 2021, 9, e14704.	0.7	4
35	Cellular regenerative therapy for acquired noncongenital musculoskeletal disorders. <i>South African Medical Journal</i> , 2019, 109, 58.	0.2	1
36	Old dogmas and new hearts: a role for adult stem cells in cardiac repair?. , 2004, 15, 184-9; discussion 189.		1

#	ARTICLE	IF	CITATIONS
37	VO2Max Correlates With Pax7+ Cell Count in Vastus Lateralis Muscle Of Recreationally Active, Untrained Subjects. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 414-415.	0.2	0
38	Differential Effects of TNF-alpha on Satellite Cell Differentiation. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S281.	0.2	0
39	Satellite cell pool size expansion is affected by skeletal muscle characteristics. <i>FASEB Journal</i> , 2012, 26, 730.3.	0.2	0
40	Editorial: Regeneration in Health and Disease. <i>Biochimie</i> , 2022, 196, 121-122.	1.3	0