

Markus Schosserer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39 papers	1,046 citations	16 h-index	32 g-index
56 ext. papers	1,482 ext. citations	6.2 avg, IF	4.27 L-index

#	Paper	IF	Citations
39	Promises and challenges of senolytics in skin regeneration, pathology and ageing. <i>Mechanisms of Ageing and Development</i> , 2021 , 200, 111588	5.6	1
38	Targeting cellular senescence based on interorganelle communication, multilevel proteostasis, and metabolic control. <i>FEBS Journal</i> , 2021 , 288, 3834-3854	5.7	7
37	Human diamine oxidase cellular binding and internalization in vitro and rapid clearance in vivo are not mediated by N-glycans but by heparan sulfate proteoglycan interactions. <i>Glycobiology</i> , 2021 , 31, 444-458	5.8	1
36	Epilipidomics of Senescent Dermal Fibroblasts Identify Lysophosphatidylcholines as Pleiotropic Senescence-Associated Secretory Phenotype (SASP) Factors. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 993-1006.e15	4.3	12
35	Size changes in miR-21 knockout mice: Geometric morphometrics on teeth, alveolar bone and mandible. <i>Molecular Medicine Reports</i> , 2021 , 23,	2.9	1
34	Heparin-binding motif mutations of human diamine oxidase allow the development of a first-in-class histamine-degrading biopharmaceutical. <i>ELife</i> , 2021 , 10,	8.9	1
33	The role of lipid-based signalling in wound healing and senescence. <i>Mechanisms of Ageing and Development</i> , 2021 , 198, 111527	5.6	4
32	Raman microspectroscopy: sub-cellular chemical imaging of aging.. <i>Aging</i> , 2021 , 13, 24922-24923	5.6	
31	miRNA-21 deficiency impairs alveolar socket healing in mice. <i>Journal of Periodontology</i> , 2020 , 91, 1664-1672	4.72	8
30	Organotypic human skin culture models constructed with senescent fibroblasts show hallmarks of skin aging. <i>Npj Aging and Mechanisms of Disease</i> , 2020 , 6, 4	5.5	21
29	Modulation of mammalian translation by a ribosome-associated tRNA half. <i>RNA Biology</i> , 2020 , 17, 1125-1136	4.136	11
28	The ribosomal RNA mC methyltransferase NSUN-1 modulates healthspan and oogenesis in. <i>ELife</i> , 2020 , 9,	8.9	10
27	Comparability of Raman Spectroscopic Configurations: A Large Scale Cross-Laboratory Study. <i>Analytical Chemistry</i> , 2020 , 92, 15745-15756	7.8	22
26	Imaging of metabolic activity adaptations to UV stress, drugs and differentiation at cellular resolution in skin and skin equivalents - Implications for oxidative UV damage. <i>Redox Biology</i> , 2020 , 37, 101583	11.3	5
25	Raman fingerprints as promising markers of cellular senescence and aging. <i>GeroScience</i> , 2020 , 42, 377-387	3.79	8
24	The Skin Epilipidome in Stress, Aging, and Inflammation. <i>Frontiers in Endocrinology</i> , 2020 , 11, 607076	5.7	5
23	Extracellular Vesicles in Human Skin: Cross-Talk from Senescent Fibroblasts to Keratinocytes by miRNAs. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 2425-2436.e5	4.3	32

22	A Novel Caenorhabditis Elegans Proteinopathy Model Shows Changes in mRNA Translational Frameshifting During Aging. <i>Cellular Physiology and Biochemistry</i> , 2019 , 52, 970-983	3.9	2
21	Loss of the ribosomal RNA methyltransferase NSUN5 impairs global protein synthesis and normal growth. <i>Nucleic Acids Research</i> , 2019 , 47, 11807-11825	20.1	34
20	Modelling physical resilience in ageing mice. <i>Mechanisms of Ageing and Development</i> , 2019 , 177, 91-102	5.6	6
19	Blocking negative effects of senescence in human skin fibroblasts with a plant extract. <i>Npj Aging and Mechanisms of Disease</i> , 2018 , 4, 4	5.5	32
18	OPP Labeling Enables Total Protein Synthesis Quantification in CHO Production Cell Lines at the Single-Cell Level. <i>Biotechnology Journal</i> , 2018 , 13, e1700492	5.6	12
17	Towards frailty biomarkers: Candidates from genes and pathways regulated in aging and age-related diseases. <i>Ageing Research Reviews</i> , 2018 , 47, 214-277	12	160
16	Inhibition of profibrotic microRNA-21 affects platelets and their releasate. <i>JCI Insight</i> , 2018 , 3,	9.9	16
15	Small extracellular vesicles and their miRNA cargo are anti-apoptotic members of the senescence-associated secretory phenotype. <i>Aging</i> , 2018 , 10, 1103-1132	5.6	104
14	Age-Induced Changes in White, Brite, and Brown Adipose Depots: A Mini-Review. <i>Gerontology</i> , 2018 , 64, 229-236	5.5	42
13	Long-term exposure of immortalized keratinocytes to arsenic induces EMT, impairs differentiation in organotypic skin models and mimics aspects of human skin derangements. <i>Archives of Toxicology</i> , 2018 , 92, 181-194	5.8	13
12	The thiosemicarbazone MeNNMe induces paraptosis by disrupting the ER thiol redox homeostasis based on protein disulfide isomerase inhibition. <i>Cell Death and Disease</i> , 2018 , 9, 1052	9.8	20
11	SNEV Regulates Adipogenesis of Human Adipose Stromal Cells. <i>Stem Cell Reports</i> , 2017 , 8, 21-29	8	6
10	An approach for liposome immobilization using sterically stabilized micelles (SSMs) as a precursor for bio-layer interferometry-based interaction studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 154, 186-194	6	8
9	Ubiquitous overexpression of the DNA repair factor reduces DNA damage and extends life span. <i>Npj Aging and Mechanisms of Disease</i> , 2017 , 3, 5	5.5	11
8	Label-free live cell imaging by Confocal Raman Microscopy identifies CHO host and producer cell lines. <i>Biotechnology Journal</i> , 2017 , 12, 1600037	5.6	21
7	The Dual Role of Cellular Senescence in Developing Tumors and Their Response to Cancer Therapy. <i>Frontiers in Oncology</i> , 2017 , 7, 278	5.3	124
6	Biologische Grundlagen des Alterns und dessen Relevanz für die Lebensqualität 2017 , 3-13		
5	Urine is a novel source of autologous mesenchymal stem cells for patients with epidermolysis bullosa. <i>BMC Research Notes</i> , 2015 , 8, 767	2.3	18

4	Methylation of ribosomal RNA by NSUN5 is a conserved mechanism modulating organismal lifespan. <i>Nature Communications</i> , 2015 , 6, 6158	17.4	154
3	High levels of oncomiR-21 contribute to the senescence-induced growth arrest in normal human cells and its knock-down increases the replicative lifespan. <i>Aging Cell</i> , 2013 , 12, 446-58	9.9	81
2	Inhibition of pre-mRNA splicing by a synthetic Blom7-Interacting small RNA. <i>PLoS ONE</i> , 2012 , 7, e47497	3.7	1
1	ATM-dependent phosphorylation of SNEVhPrp19/hPso4 is involved in extending cellular life span and suppression of apoptosis. <i>Aging</i> , 2012 , 4, 290-304	5.6	16