Florian Gruber

List of Publications by Year
in descending order

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83 papers	9,232 citations	87723 38 h-index	60497 81 g-index
85 all docs	85 docs citations	85 times ranked	20101 citing authors

#	Article	IF	Citations
1	Autophagy protects murine preputial glands against premature aging, and controls their sebum phospholipid and pheromone profile. Autophagy, 2022, 18, 1005-1019.	4.3	6
2	Research Techniques Made Simple: Lipidomic Analysis in Skin Research. Journal of Investigative Dermatology, 2022, 142, 4-11.e1.	0.3	4
3	Identification of New Biological Pathways Involved in Skin Aging From the Analysis of French Women Genome-Wide Data. Frontiers in Genetics, 2022, 13, 836581.	1.1	3
4	The secretome of irradiated peripheral blood mononuclear cells attenuates activation of mast cells and basophils. EBioMedicine, 2022, 81, 104093.	2.7	7
5	Molecular species of oxidized phospholipids in brain differentiate between learning- and memory impaired and unimpaired aged rats. Amino Acids, 2022, 54, 1311-1326.	1.2	3
6	Crosstalk between oxidative stress, autophagy and apoptosis in hemoporfin photodynamic therapy treated human umbilical vein endothelial cells. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102137.	1.3	10
7	Epilipidomics of Senescent Dermal Fibroblasts Identify Lysophosphatidylcholines as Pleiotropic Senescence-Associated Secretory Phenotype (SASP) Factors. Journal of Investigative Dermatology, 2021, 141, 993-1006.e15.	0.3	37
8	Comparing the efficacy of Î³- and electron-irradiation of PBMCs to promote secretion of paracrine, regenerative factors. Molecular Therapy - Methods and Clinical Development, 2021, 21, 14-27.	1.8	2
9	Promises and challenges of senolytics in skin regeneration, pathology and ageing. Mechanisms of Ageing and Development, 2021, 200, 111588.	2.2	17
10	Transcriptional Differences in Lipid-Metabolizing Enzymes in Murine Sebocytes Derived from Sebaceous Glands of the Skin and Preputial Glands. International Journal of Molecular Sciences, 2021, 22, 11631.	1.8	2
11	ATG7 is essential for secretion of iron from ameloblasts and normal growth of murine incisors during aging. Autophagy, 2020, 16, 1851-1857.	4.3	20
12	Cell aging and cellular senescence in skin aging â€" Recent advances in fibroblast and keratinocyte biology. Experimental Gerontology, 2020, 130, 110780.	1.2	81
13	The PI3K pathway preserves metabolic health through MARCO-dependent lipid uptake by adipose tissue macrophages. Nature Metabolism, 2020, 2, 1427-1442.	5.1	24
14	Imaging of metabolic activity adaptations to UV stress, drugs and differentiation at cellular resolution in skin and skin equivalents â€" Implications for oxidative UV damage. Redox Biology, 2020, 37, 101583.	3.9	16
15	Therapeutic potential of lipids obtained from Î³-irradiated PBMCs in dendritic cell-mediated skin inflammation. EBioMedicine, 2020, 55, 102774.	2.7	18
16	Organotypic human skin culture models constructed with senescent fibroblasts show hallmarks of skin aging. Npj Aging and Mechanisms of Disease, 2020, 6, 4.	4.5	45
17	Striatal Transcriptome Reveals Differences Between Cognitively Impaired and Unimpaired Aged Male Rats. Frontiers in Aging Neuroscience, 2020, 12, 611572.	1.7	1
18	The Skin Epilipidome in Stress, Aging, and Inflammation. Frontiers in Endocrinology, 2020, 11, 607076.	1.5	15

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19	Autophagic Control of Skin Aging. Frontiers in Cell and Developmental Biology, 2019, 7, 143.	1.8	52
20	Extracellular Vesicles in Human Skin: Cross-TalkÂfrom Senescent Fibroblasts to Keratinocytes by miRNAs. Journal of Investigative Dermatology, 2019, 139, 2425-2436.e5.	0.3	61
21	The impact of recent advances in lipidomics and redox lipidomics on dermatological research. Free Radical Biology and Medicine, 2019, 144, 256-265.	1.3	17
22	Sulfate-based lipids: Analysis of healthy human fluids and cell extracts. Chemistry and Physics of Lipids, 2019, 221, 53-64.	1.5	17
23	Involvement of cutaneous SR-B1 in skin lipid homeostasis. Archives of Biochemistry and Biophysics, 2019, 666, 1-7.	1.4	15
24	A novel role for NUPR1 in the keratinocyte stress response to UV oxidized phospholipids. Redox Biology, 2019, 20, 467-482.	3.9	32
25	Cornification of nail keratinocytes requires autophagy for bulk degradation of intracellular proteins while sparing components of the cytoskeleton. Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 62-73.	2.2	18
26	Blocking negative effects of senescence in human skin fibroblasts with a plant extract. Npj Aging and Mechanisms of Disease, 2018, 4, 4.	4.5	49
27	OLR1 scavenger receptor knockdown affects mitotic gene expression but is dispensable for oxidized phospholipid- mediated stress signaling in SZ 95 sebocytes. Mechanisms of Ageing and Development, 2018, 172, 35-44.	2.2	2
28	Suppression of Epithelial Autophagy Compromises the Homeostasis of Sweat Glands during Aging. Journal of Investigative Dermatology, 2018, 138, 2061-2063.	0.3	10
29	Filamentous Aggregation of Sequestosome-1/p62 in Brain Neurons and Neuroepithelial Cells upon Tyr-Cre-Mediated Deletion of the Autophagy Gene Atg7. Molecular Neurobiology, 2018, 55, 8425-8437.	1.9	13
30	Different pro-angiogenic potential of Î³-irradiated PBMC-derived secretome and its subfractions. Scientific Reports, 2018, 8, 18016.	1.6	33
31	Inactivation of autophagy leads to changes in sebaceous gland morphology and function. Experimental Dermatology, 2018, 27, 1142-1151.	1.4	27
32	Matrix Metalloproteinase-2 Impairs Homing of Intracoronary Delivered Mesenchymal Stem Cells in a Porcine Reperfused Myocardial Infarction: Comparison With Intramyocardial Cell Delivery. Frontiers in Bioengineering and Biotechnology, 2018, 6, 35.	2.0	14
33	Peanut lipids display potential adjuvanticity by triggering a proâ€inflammatory response in human keratinocytes. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1746-1749.	2.7	23
34	Small extracellular vesicles and their miRNA cargo are anti-apoptotic members of the senescence-associated secretory phenotype. Aging, 2018, 10, 1103-1132.	1.4	162
35	HO-1 inhibits preadipocyte proliferation and differentiation at the onset of obesity via ROS dependent activation of Akt2. Scientific Reports, 2017, 7, 40881.	1.6	34
36	2nd Science Days of the Austrian Society of Dermatology and Venereology (Ã–GDV Forschungstage). JDDG - Journal of the German Society of Dermatology, 2017, 15, 475-476.	0.4	0

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37	Autophagy deficient keratinocytes display increased DNA damage, senescence and aberrant lipid composition after oxidative stress in vitro and in vivo. Redox Biology, 2017, 11, 219-230.	3.9	76
38	Tyrosinase-Cre-Mediated Deletion of the Autophagy Gene Atg7 Leads to Accumulation of the RPE65 Variant M450 in the Retinal Pigment Epithelium of C57BL/6 Mice. PLoS ONE, 2016, 11, e0161640.	1.1	13
39	Ã–sterreichische Gesellschaft fÃ¼r Dermatologie und Venerologie (Ã–GDV). JDDG - Journal of the German Society of Dermatology, 2016, 14, 446-447.	0.4	1
40	SNEV P rp19/ PSO 4 deficiency increases PUVA â€induced senescence in mouse skin. Experimental Dermatology, 2016, 25, 212-217.	1.4	6
41	The Skin Lipidome Under Environmental Stressâ€"Technological Platforms, Molecular Pathways and Translational Opportunities. , 2016, , 1-27.		0
42	Dying blood mononuclear cell secretome exerts antimicrobial activity. European Journal of Clinical Investigation, 2016, 46, 853-863.	1.7	29
43	Autophagy deficient melanocytes display a senescence associated secretory phenotype that includes oxidized lipid mediators. International Journal of Biochemistry and Cell Biology, 2016, 81, 375-382.	1.2	46
44	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
45	Analysis of the Secretome of Apoptotic Peripheral Blood Mononuclear Cells: Impact of Released Proteins and Exosomes for Tissue Regeneration. Scientific Reports, 2015, 5, 16662.	1.6	103
46	Nrf2 deficiency causes lipid oxidation, inflammation, and matrix-protease expression in DHA-supplemented and UVA-irradiated skin fibroblasts. Free Radical Biology and Medicine, 2015, 88, 439-451.	1.3	33
47	Bioinformatics approach for choosing the correct reference genes when studying gene expression in human keratinocytes. Experimental Dermatology, 2015, 24, 742-747.	1.4	17
48	Suppression of Autophagy Dysregulates the Antioxidant Response and Causes Premature Senescence of Melanocytes. Journal of Investigative Dermatology, 2015, 135, 1348-1357.	0.3	88
49	12/15-lipoxygenaseâ€"mediated enzymatic lipid oxidation regulates DC maturation and function. Journal of Clinical Investigation, 2015, 125, 1944-1954.	3.9	77
50	Activation of Nrf2 in keratinocytes causes chloracne (MADISH)â€like skin disease in mice. EMBO Molecular Medicine, 2014, 6, 442-457.	3.3	81
51	Freckles and solar lentigines have different risk factors in Caucasian women. Journal of the European Academy of Dermatology and Venereology, 2013, 27, e345-56.	1.3	44
52	Retinal pigment epithelium cells produce VEGF in response to oxidized phospholipids through mechanisms involving ATF4 and protein kinase CK2. Experimental Eye Research, 2013, 116, 177-184.	1.2	25
53	Targeted deletion of Atg5 reveals differential roles of autophagy in keratin K5-expressing epithelia. Biochemical and Biophysical Research Communications, 2013, 430, 689-694.	1.0	41
54	Histamine suppresses epidermal keratinocyte differentiation and impairs skin barrier function in a human skin model. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 37-47.	2.7	142

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55	Autophagy Is Induced by UVA and Promotes Removal of Oxidized Phospholipids and Protein Aggregates in Epidermal Keratinocytes. Journal of Investigative Dermatology, 2013, 133, 1629-1637.	0.3	116
56	Dual Role of the Antioxidant Enzyme Peroxiredoxin 6 in Skin Carcinogenesis. Cancer Research, 2013, 73, 3460-3469.	0.4	56
57	High levels of oncomi<scp>R</scp>â€21 contribute to the senescenceâ€induced growth arrest in normal human cells and its knockâ€down increases the replicative lifespan. Aging Cell, 2013, 12, 446-458.	3.0	99
58	A simplified procedure for semi-targeted lipidomic analysis of oxidized phosphatidylcholines induced by UVA irradiation. Journal of Lipid Research, 2012, 53, 1232-1242.	2.0	71
59	â€˜Don't be so overâ€protective!â€™. EMBO Molecular Medicine, 2012, 4, 362-363.	3.3	3
60	Delayed Recovery of Myocardial Blood Flow After Intracoronary Stem Cell Administration. Stem Cell Reviews and Reports, 2011, 7, 616-623.	5.6	11
61	NFâ€E2â€related factor 2 regulates the stress response to UVAâ€1â€oxidized phospholipids in skin cells. FASEB Journal, 2010, 24, 39-48.	0.2	71
62	Knockdown of Filaggrin Impairs Diffusion Barrier Function and Increases UV Sensitivity in a Human Skin Model. Journal of Investigative Dermatology, 2010, 130, 2286-2294.	0.3	236
63	Identification of a Novel Macrophage Phenotype That Develops in Response to Atherogenic Phospholipids via Nrf2. Circulation Research, 2010, 107, 737-746.	2.0	472
64	Functional MC1R-Gene Variants Are Associated with Increased Risk for Severe Photoaging of Facial Skin. Journal of Investigative Dermatology, 2010, 130, 1107-1115.	0.3	60
65	Anti-Acanthamoeba efficacy and toxicity of miltefosine in an organotypic skin equivalent. Journal of Antimicrobial Chemotherapy, 2009, 64, 539-545.	1.3	36
66	Multi-Hit Inhibition of Circulating and Cell-Associated Components of the Toll-Like Receptor 4 Pathway by Oxidized Phospholipids. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 356-362.	1.1	88
67	MC1R Gene Polymorphism Affects Skin Color and Phenotypic Features Related to Sun Sensitivity in a Population of French Adult Women. Photochemistry and Photobiology, 2009, 85, 1451-1458.	1.3	22
68	Airway inflammation induced after allergic polyâ€sensitization can be prevented by mucosal but not by systemic administration of polyâ€peptides. Clinical and Experimental Allergy, 2008, 38, 1192-1202.	1.4	16
69	Flagellin is the principal inducer of the antimicrobial peptide S100A7c (psoriasin) in human epidermal keratinocytes exposed toEscherichia coli. FASEB Journal, 2008, 22, 2168-2176.	0.2	72
70	Photooxidation Generates Biologically Active Phospholipids That Induce Heme Oxygenase-1 in Skin Cells. Journal of Biological Chemistry, 2007, 282, 16934-16941.	1.6	52
71	Inactivation of VEGF in mammary gland epithelium severely compromises mammary gland development and function. FASEB Journal, 2007, 21, 3994-4004.	0.2	59
72	Hepatocyte Growth Factor Establishes Autocrine and Paracrine Feedback Loops for the Protection of Skin Cells after UV Irradiation. Journal of Investigative Dermatology, 2007, 127, 2637-2644.	0.3	52

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73	Identification of a novel exon encoding the amino-terminus of the predominant caspase-5 variants. Biochemical and Biophysical Research Communications, 2006, 348, 682-688.	1.0	6
74	Oxidized Phospholipids Stimulate Angiogenesis Via Autocrine Mechanisms, Implicating a Novel Role for Lipid Oxidation in the Evolution of Atherosclerotic Lesions. Circulation Research, 2006, 99, 900-908.	2.0	134
75	Sustained Expression of Early Growth Response Protein-1 Blocks Angiogenesis and Tumor Growth. Cancer Research, 2006, 66, 6708-6713.	0.4	59
76	Retinoic Acid Increases the Expression of p53 and Proapoptotic Caspases and Sensitizes Keratinocytes to Apoptosis. Cancer Research, 2004, 64, 6542-6548.	0.4	111
77	Deciphering Regulatory Patterns of Inflammatory Gene Expression From Interleukin-1â€"Stimulated Human Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1192-1198.	1.1	44
78	Molecular Evidence of Anaplasma phagocytophilum in Ixodes ricinus Ticks and Wild Animals in Austria. Journal of Clinical Microbiology, 2004, 42, 2285-2286.	1.8	66
79	Oxidized Phospholipids Induce Expression of Human Heme Oxygenase-1 Involving Activation of cAMP-responsive Element-binding Protein. Journal of Biological Chemistry, 2003, 278, 51006-51014.	1.6	169
80	NAB2, a Corepressor of EGR-1, Inhibits Vascular Endothelial Growth Factor-mediated Gene Induction and Angiogenic Responses of Endothelial Cells. Journal of Biological Chemistry, 2003, 278, 11433-11440.	1.6	91
81	Direct binding of Nur77/NAK-1 to the plasminogen activator inhibitor 1 (PAI-1) promoter regulates TNFÎ±-induced PAI-1 expression. Blood, 2003, 101, 3042-3048.	0.6	88
82	Analysis of inflammatory gene induction by oxidized phospholipids in vivo by quantitative real-time RT-PCR in comparison with effects of LPS. Vascular Pharmacology, 2002, 38, 219-227.	1.0	90
83	Protective role of phospholipid oxidation products in endotoxin-induced tissue damage. Nature, 2002, 419, 77-81.	13.7	365