

Florian Gruber

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7705102/publications.pdf>

Version: 2024-02-01

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Identification of a Novel Macrophage Phenotype That Develops in Response to Atherogenic Phospholipids via Nrf2. <i>Circulation Research</i> , 2010, 107, 737-746.	2.0	472
3	Protective role of phospholipid oxidation products in endotoxin-induced tissue damage. <i>Nature</i> , 2002, 419, 77-81.	13.7	365
4	Knockdown of Filaggrin Impairs Diffusion Barrier Function and Increases UV Sensitivity in a Human Skin Model. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2286-2294.	0.3	236
5	Oxidized Phospholipids Induce Expression of Human Heme Oxygenase-1 Involving Activation of cAMP-responsive Element-binding Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 51006-51014.	1.6	169
6	Small extracellular vesicles and their miRNA cargo are anti-apoptotic members of the senescence-associated secretory phenotype. <i>Aging</i> , 2018, 10, 1103-1132.	1.4	162
7	Histamine suppresses epidermal keratinocyte differentiation and impairs skin barrier function in a human skin model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 37-47.	2.7	142
8	Oxidized Phospholipids Stimulate Angiogenesis Via Autocrine Mechanisms, Implicating a Novel Role for Lipid Oxidation in the Evolution of Atherosclerotic Lesions. <i>Circulation Research</i> , 2006, 99, 900-908.	2.0	134
9	Autophagy Is Induced by UVA and Promotes Removal of Oxidized Phospholipids and Protein Aggregates in Epidermal Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1629-1637.	0.3	116
10	Retinoic Acid Increases the Expression of p53 and Proapoptotic Caspases and Sensitizes Keratinocytes to Apoptosis. <i>Cancer Research</i> , 2004, 64, 6542-6548.	0.4	111
11	Analysis of the Secretome of Apoptotic Peripheral Blood Mononuclear Cells: Impact of Released Proteins and Exosomes for Tissue Regeneration. <i>Scientific Reports</i> , 2015, 5, 16662.	1.6	103
12	High levels of oncomiR-21 contribute to the senescence-induced growth arrest in normal human cells and its knockdown increases the replicative lifespan. <i>Aging Cell</i> , 2013, 12, 446-458.	3.0	99
13	NAB2, a Corepressor of EGR-1, Inhibits Vascular Endothelial Growth Factor-mediated Gene Induction and Angiogenic Responses of Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 11433-11440.	1.6	91
14	Analysis of inflammatory gene induction by oxidized phospholipids in vivo by quantitative real-time RT-PCR in comparison with effects of LPS. <i>Vascular Pharmacology</i> , 2002, 38, 219-227.	1.0	90
15	Direct binding of Nur77/NAK-1 to the plasminogen activator inhibitor 1 (PAI-1) promoter regulates TNF α -induced PAI-1 expression. <i>Blood</i> , 2003, 101, 3042-3048.	0.6	88
16	Multi-Hit Inhibition of Circulating and Cell-Associated Components of the Toll-Like Receptor 4 Pathway by Oxidized Phospholipids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 356-362.	1.1	88
17	Suppression of Autophagy Dysregulates the Antioxidant Response and Causes Premature Senescence of Melanocytes. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1348-1357.	0.3	88
18	Activation of Nrf2 in keratinocytes causes chloracne (MADISH)-like skin disease in mice. <i>EMBO Molecular Medicine</i> , 2014, 6, 442-457.	3.3	81

#	ARTICLE	IF	CITATIONS
19	Cell aging and cellular senescence in skin aging â€” Recent advances in fibroblast and keratinocyte biology. <i>Experimental Gerontology</i> , 2020, 130, 110780.	1.2	81
20	12/15-lipoxygenaseâ€”mediated enzymatic lipid oxidation regulates DC maturation and function. <i>Journal of Clinical Investigation</i> , 2015, 125, 1944-1954.	3.9	77
21	Autophagy deficient keratinocytes display increased DNA damage, senescence and aberrant lipid composition after oxidative stress in vitro and in vivo. <i>Redox Biology</i> , 2017, 11, 219-230.	3.9	76
22	Flagellin is the principal inducer of the antimicrobial peptide S100A7c (psoriasin) in human epidermal keratinocytes exposed to <i>Escherichia coli</i> . <i>FASEB Journal</i> , 2008, 22, 2168-2176.	0.2	72
23	NF- κ B-related factor 2 regulates the stress response to UVA-oxidized phospholipids in skin cells. <i>FASEB Journal</i> , 2010, 24, 39-48.	0.2	71
24	A simplified procedure for semi-targeted lipidomic analysis of oxidized phosphatidylcholines induced by UVA irradiation. <i>Journal of Lipid Research</i> , 2012, 53, 1232-1242.	2.0	71
25	Molecular Evidence of <i>Anaplasma phagocytophilum</i> in Ixodes ricinus Ticks and Wild Animals in Austria. <i>Journal of Clinical Microbiology</i> , 2004, 42, 2285-2286.	1.8	66
26	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.	0.3	61
27	Functional MC1R-Gene Variants Are Associated with Increased Risk for Severe Photoaging of Facial Skin. <i>Journal of Investigative Dermatology</i> , 2010, 130, 1107-1115.	0.3	60
28	Sustained Expression of Early Growth Response Protein-1 Blocks Angiogenesis and Tumor Growth. <i>Cancer Research</i> , 2006, 66, 6708-6713.	0.4	59
29	Inactivation of VEGF in mammary gland epithelium severely compromises mammary gland development and function. <i>FASEB Journal</i> , 2007, 21, 3994-4004.	0.2	59
30	Dual Role of the Antioxidant Enzyme Peroxiredoxin 6 in Skin Carcinogenesis. <i>Cancer Research</i> , 2013, 73, 3460-3469.	0.4	56
31	Photooxidation Generates Biologically Active Phospholipids That Induce Heme Oxygenase-1 in Skin Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 16934-16941.	1.6	52
32	Hepatocyte Growth Factor Establishes Autocrine and Paracrine Feedback Loops for the Protection of Skin Cells after UV Irradiation. <i>Journal of Investigative Dermatology</i> , 2007, 127, 2637-2644.	0.3	52
33	Autophagic Control of Skin Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 143.	1.8	52
34	Blocking negative effects of senescence in human skin fibroblasts with a plant extract. <i>Npj Aging and Mechanisms of Disease</i> , 2018, 4, 4.	4.5	49
35	Autophagy deficient melanocytes display a senescence associated secretory phenotype that includes oxidized lipid mediators. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 375-382.	1.2	46
36	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.	4.5	45

#	ARTICLE	IF	CITATIONS
37	Deciphering Regulatory Patterns of Inflammatory Gene Expression From Interleukin-1 α -Stimulated Human Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1192-1198.	1.1	44
38	Freckles and solar lentigines have different risk factors in Caucasian women. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2013, 27, e345-56.	1.3	44
39	Targeted deletion of Atg5 reveals differential roles of autophagy in keratin K5-expressing epithelia. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 689-694.	1.0	41
40	Elipidomics 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.	0.3	37
41	Anti-Acanthamoeba efficacy and toxicity of miltefosine in an organotypic skin equivalent. <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 64, 539-545.	1.3	36
42	HO-1 inhibits preadipocyte proliferation and differentiation at the onset of obesity via ROS dependent activation of Akt2. <i>Scientific Reports</i> , 2017, 7, 40881.	1.6	34
43	Nrf2 deficiency causes lipid oxidation, inflammation, and matrix-protease expression in DHA-supplemented and UVA-irradiated skin fibroblasts. <i>Free Radical Biology and Medicine</i> , 2015, 88, 439-451.	1.3	33
44	Different pro-angiogenic potential of β -irradiated PBMC-derived secretome and its subfractions. <i>Scientific Reports</i> , 2018, 8, 18016.	1.6	33
45	A novel role for NUPR1 in the keratinocyte stress response to UV oxidized phospholipids. <i>Redox Biology</i> , 2019, 20, 467-482.	3.9	32
46	Dying blood mononuclear cell secretome exerts antimicrobial activity. <i>European Journal of Clinical Investigation</i> , 2016, 46, 853-863.	1.7	29
47	Inactivation of autophagy leads to changes in sebaceous gland morphology and function. <i>Experimental Dermatology</i> , 2018, 27, 1142-1151.	1.4	27
48	Retinal pigment epithelium cells produce VEGF in response to oxidized phospholipids through mechanisms involving ATF4 and protein kinase CK2. <i>Experimental Eye Research</i> , 2013, 116, 177-184.	1.2	25
49	The PI3K pathway preserves metabolic health through MARCO-dependent lipid uptake by adipose tissue macrophages. <i>Nature Metabolism</i> , 2020, 2, 1427-1442.	5.1	24
50	Peanut lipids display potential adjuvanticity by triggering a pro-inflammatory response in human keratinocytes. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1746-1749.	2.7	23
51	<i>MC1R</i> Gene Polymorphism Affects Skin Color and Phenotypic Features Related to Sun Sensitivity in a Population of French Adult Women. <i>Photochemistry and Photobiology</i> , 2009, 85, 1451-1458.	1.3	22
52	ATG7 is essential for secretion of iron from ameloblasts and normal growth of murine incisors during aging. <i>Autophagy</i> , 2020, 16, 1851-1857.	4.3	20
53	Cornification of nail keratinocytes requires autophagy for bulk degradation of intracellular proteins while sparing components of the cytoskeleton. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 62-73.	2.2	18
54	Therapeutic potential of lipids obtained from β -irradiated PBMCs in dendritic cell-mediated skin inflammation. <i>EBioMedicine</i> , 2020, 55, 102774.	2.7	18

#	ARTICLE	IF	CITATIONS
55	Bioinformatics approach for choosing the correct reference genes when studying gene expression in human keratinocytes. <i>Experimental Dermatology</i> , 2015, 24, 742-747.	1.4	17
56	The impact of recent advances in lipidomics and redox lipidomics on dermatological research. <i>Free Radical Biology and Medicine</i> , 2019, 144, 256-265.	1.3	17
57	Sulfate-based lipids: Analysis of healthy human fluids and cell extracts. <i>Chemistry and Physics of Lipids</i> , 2019, 221, 53-64.	1.5	17
58	Promises and challenges of senolytics in skin regeneration, pathology and ageing. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111588.	2.2	17
59	Airway inflammation induced after allergic poly ϵ sensitization can be prevented by mucosal but not by systemic administration of poly ϵ peptides. <i>Clinical and Experimental Allergy</i> , 2008, 38, 1192-1202.	1.4	16
60	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.	3.9	16
61	Involvement of cutaneous SR-B1 in skin lipid homeostasis. <i>Archives of Biochemistry and Biophysics</i> , 2019, 666, 1-7.	1.4	15
62	The Skin Epilipidome in Stress, Aging, and Inflammation. <i>Frontiers in Endocrinology</i> , 2020, 11, 607076.	1.5	15
63	Matrix Metalloproteinase-2 Impairs Homing of Intracoronary Delivered Mesenchymal Stem Cells in a Porcine Reperfused Myocardial Infarction: Comparison With Intramyocardial Cell Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 35.	2.0	14
64	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. <i>PLoS ONE</i> , 2016, 11, e0161640.	1.1	13
65	Filamentous Aggregation of Sequestosome-1/p62 in Brain Neurons and Neuroepithelial Cells upon Tyr-Cre-Mediated Deletion of the Autophagy Gene Atg7. <i>Molecular Neurobiology</i> , 2018, 55, 8425-8437.	1.9	13
66	Delayed Recovery of Myocardial Blood Flow After Intracoronary Stem Cell Administration. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 616-623.	5.6	11
67	Suppression of Epithelial Autophagy Compromises the Homeostasis of Sweat Glands during Aging. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2061-2063.	0.3	10
68	Crosstalk between oxidative stress, autophagy and apoptosis in hemoporphin photodynamic therapy treated human umbilical vein endothelial cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102137.	1.3	10
69	The secretome of irradiated peripheral blood mononuclear cells attenuates activation of mast cells and basophils. <i>EBioMedicine</i> , 2022, 81, 104093.	2.7	7
70	Identification of a novel exon encoding the amino-terminus of the predominant caspase-5 variants. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 682-688.	1.0	6
71	SNEV P rp19/ PSO 4 deficiency increases PUVA –induced senescence in mouse skin. <i>Experimental Dermatology</i> , 2016, 25, 212-217.	1.4	6
72	Autophagy protects murine preputial glands against premature aging, and controls their sebum phospholipid and pheromone profile. <i>Autophagy</i> , 2022, 18, 1005-1019.	4.3	6

#	ARTICLE	IF	CITATIONS
73	Research Techniques Made Simple: Lipidomic Analysis in Skin Research. <i>Journal of Investigative Dermatology</i> , 2022, 142, 4-11.e1.	0.3	4
74	â€œDon't be so overâ€œprotective!â€œ™. <i>EMBO Molecular Medicine</i> , 2012, 4, 362-363.	3.3	3
75	Identification of New Biological Pathways Involved in Skin Aging From the Analysis of French Women Genome-Wide Data. <i>Frontiers in Genetics</i> , 2022, 13, 836581.	1.1	3
76	Molecular species of oxidized phospholipids in brain differentiate between learning- and memory impaired and unimpaired aged rats. <i>Amino Acids</i> , 2022, 54, 1311-1326.	1.2	3
77	OLR1 scavenger receptor knockdown affects mitotic gene expression but is dispensable for oxidized phospholipid-mediated stress signaling in SZ 95 sebocytes. <i>Mechanisms of Ageing and Development</i> , 2018, 172, 35-44.	2.2	2
78	Comparing the efficacy of γ - and electron-irradiation of PBMCs to promote secretion of paracrine, regenerative factors. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 14-27.	1.8	2
79	Transcriptional Differences in Lipid-Metabolizing Enzymes in Murine Sebocytes Derived from Sebaceous Glands of the Skin and Preputial Glands. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11631.	1.8	2
80	Ã–sterreichische Gesellschaft fÃ¼r Dermatologie und Venerologie (Ã–GDV). <i>JDDG - Journal of the German Society of Dermatology</i> , 2016, 14, 446-447.	0.4	1
81	Striatal Transcriptome Reveals Differences Between Cognitively Impaired and Unimpaired Aged Male Rats. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 611572.	1.7	1
82	The Skin Lipidome Under Environmental Stressâ€”Technological Platforms, Molecular Pathways and Translational Opportunities. , 2016, , 1-27.		0
83	2nd Science Days of the Austrian Society of Dermatology and Venereology (Ã–GDV Forschungstage). <i>JDDG - Journal of the German Society of Dermatology</i> , 2017, 15, 475-476.	0.4	0