Fumihito Hikage

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2454104/publications.pdf Version: 2024-02-01



FUMIHITO HIRACE

#	Article	IF	CITATIONS
1	HIF2A–LOX Pathway Promotes Fibrotic Tissue Remodeling in Thyroid-Associated Orbitopathy. Endocrinology, 2019, 160, 20-35.	2.8	65
2	Fibro-Adipogenic Remodeling of the Diaphragm in Obesity-Associated Respiratory Dysfunction. Diabetes, 2019, 68, 45-56.	0.6	49
3	Prostaglandin F2α agonist-induced suppression of 3T3-L1 cell adipogenesis affects spatial formation of extra-cellular matrix. Scientific Reports, 2020, 10, 7958.	3.3	47
4	Prostaglandin F2α Agonists Negatively Modulate the Size of 3D Organoids from Primary Human Orbital Fibroblasts. , 2020, 61, 13.		46
5	ROCK inhibitors beneficially alter the spatial configuration of TGFβ2-treated 3D organoids from a human trabecular meshwork (HTM). Scientific Reports, 2020, 10, 20292.	3.3	28
6	Omidenepag, a non-prostanoid EP2 receptor agonist, induces enlargement of the 3D organoid of 3T3-L1 cells. Scientific Reports, 2020, 10, 16018.	3.3	25
7	Rosiglitasone and ROCK Inhibitors Modulate Fibrogenetic Changes in TGF-β2 Treated Human Conjunctival Fibroblasts (HconF) in Different Manners. International Journal of Molecular Sciences, 2021, 22, 7335.	4.1	19
8	Establishment of appropriate glaucoma models using dexamethasone or TGFβ2 treated three-dimension (3D) cultured human trabecular meshwork (HTM) cells. Scientific Reports, 2021, 11, 19369.	3.3	19
9	ROCK inhibitors enhance the production of large lipid-enriched 3D organoids of 3T3-L1 cells. Scientific Reports, 2021, 11, 5479.	3.3	18
10	STAT3 Is the Master Regulator for the Forming of 3D Spheroids of 3T3-L1 Preadipocytes. Cells, 2022, 11, 300.	4.1	18
11	Prostaglandin F2α agonists induced enhancement in collagen1 expression is involved in the pathogenesis of the deepening of upper eyelid sulcus. Scientific Reports, 2021, 11, 9002.	3.3	14
12	NF-κB activation in retinal microglia is involved in the inflammatory and neovascularization signaling in laser-induced choroidal neovascularization in mice. Experimental Cell Research, 2021, 403, 112581.	2.6	14
13	Diverse effects of pan-ROCK and ROCK2 inhibitors on 2 D and 3D cultured human trabecular meshwork (HTM) cells treated with TGFI22. Scientific Reports, 2021, 11, 15286.	3.3	14
14	Prostaglandin F2α and EP2 agonists, and a ROCK inhibitor modulate the formation of 3D organoids of Grave's orbitopathy related human orbital fibroblasts. Experimental Eye Research, 2021, 205, 108489.	2.6	13
15	Screening of the Drug-Induced Effects of Prostaglandin EP2 and FP Agonists on 3D Cultures of Dexamethasone-Treated Human Trabecular Meshwork Cells. Biomedicines, 2021, 9, 930.	3.2	12
16	Human Trabecular Meshwork (HTM) Cells Treated with TGF-β2 or Dexamethasone Respond to Compression Stress in Different Manners. Biomedicines, 2022, 10, 1338.	3.2	10
17	ROCK 1 and 2 affect the spatial architecture of 3D spheroids derived from human corneal stromal fibroblasts in different manners. Scientific Reports, 2022, 12, 7419.	3.3	9
18	Omidenepag, a Selective, Prostanoid EP2 Agonist, Does Not Suppress Adipogenesis in 3D Organoids of Human Orbital Fibroblasts. Translational Vision Science and Technology, 2021, 10, 6.	2.2	8

FUMIHITO HIKAGE

#	Article	IF	CITATIONS
19	Simultaneous Use of ROCK Inhibitors and EP2 Agonists Induces Unexpected Effects on Adipogenesis and the Physical Properties of 3T3-L1 Preadipocytes. International Journal of Molecular Sciences, 2021, 22, 4648.	4.1	8
20	Hypoxia Differently Affects TGF-β2-Induced Epithelial Mesenchymal Transitions in the 2D and 3D Culture of the Human Retinal Pigment Epithelium Cells. International Journal of Molecular Sciences, 2022, 23, 5473.	4.1	8
21	Detection of significantly high vitreous concentrations of fatty acid-binding protein 4 in patients with proliferative diabetic retinopathy. Scientific Reports, 2021, 11, 12382.	3.3	7
22	ROCK inhibitors modulate the physical properties and adipogenesis of 3D spheroids of human orbital fibroblasts in different manners. FASEB BioAdvances, 2021, 3, 866-872.	2.4	7
23	Addition of EP2 agonists to an FP agonist additively and synergistically modulates adipogenesis and the physical properties of 3D 3T3-L1 sphenoids. Prostaglandins Leukotrienes and Essential Fatty Acids, 2021, 171, 102315.	2.2	6
24	Pan-ROCK and ROCK2 Inhibitors Affect Dexamethasone-Treated 2D- and 3D-Cultured Human Trabecular Meshwork (HTM) Cells in Opposite Manners. Molecules, 2021, 26, 6382.	3.8	6
25	Addition of ROCK inhibitors to prostaglandin derivative (PG) synergistically affects adipogenesis of the 3D spheroids of human orbital fibroblasts (HOFs). Human Cell, 2022, 35, 125-132.	2.7	4
26	Modulation of the Physical Properties of 3D Spheroids Derived from Human Scleral Stroma Fibroblasts (HSSFs) with Different Axial Lengths Obtained from Surgical Patients. Current Issues in Molecular Biology, 2021, 43, 1715-1725.	2.4	4
27	Unique and progressive retinal degeneration in a patient with cancer associated retinopathy. American Journal of Ophthalmology Case Reports, 2020, 20, 100908.	0.7	3
28	Fatty acid-binding protein 4 is an independent factor in the pathogenesis of retinal vein occlusion. PLoS ONE, 2021, 16, e0245763.	2.5	3
29	Autotaxin May Have Lysophosphatidic Acid-Unrelated Effects on Three-Dimension (3D) Cultured Human Trabecular Meshwork (HTM) Cells. International Journal of Molecular Sciences, 2021, 22, 12039.	4.1	2
30	Reactivities of a Prostanoid EP2 Agonist, Omidenepag, Are Useful for Distinguishing between 3D Spheroids of Human Orbital Fibroblasts without or with Graves' Orbitopathy. Cells, 2021, 10, 3196.	4.1	2
31	Prostaglandin F2 and EP2 Agonists Exert Different Effects on 3D 3T3-L1 Spheroids during Their Culture Phase. Biomedicines, 2021, 9, 1821.	3.2	2
32	An α2-Adrenergic Agonist, Brimonidine, Beneficially Affects the TGF-β2-Treated Cellular Properties in an In Vitro Culture Model. Bioengineering, 2022, 9, 310.	3.5	2
33	Fatty Acid-Binding Proteins 4 and 5 Are Involved in the Pathogenesis of Retinal Vascular Diseases in Different Manners. Life, 2022, 12, 467.	2.4	1
34	Comparison of the Drug-Induced Efficacies between Omidenepag Isopropyl, an EP2 Agonist and PGF2α toward TGF-β2-Modulated Human Trabecular Meshwork (HTM) Cells. Journal of Clinical Medicine, 2022, 11, 1652.	2.4	1
35	The EP2 agonist, omidenepag, alters the physical stiffness of 3D spheroids prepared from human corneal stroma fibroblasts differently depending on the osmotic pressure. FASEB Journal, 2022, 36, e22067.	0.5	1
36	Vascular compressive optic neuropathy caused by hypertensive intracranial ophthalmic artery. Japanese Journal of Ophthalmology, 2010, 54, 511-514.	1.9	0

#	Article	IF	CITATIONS
37	Fatty acid metabolism is involved in both retinal physiology and the pathology of retinal vascular diseases. Prostaglandins Leukotrienes and Essential Fatty Acids, 2022, 183, 102473.	2.2	0