

Fumihito Hikage

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

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citations

759233

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38
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169
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	STAT3 Is the Master Regulator for the Forming of 3D Spheroids of 3T3-L1 Preadipocytes. Cells, 2022, 11, 300.	4.1	18
3	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
4	Comparison of the Drug-Induced Efficacies between Omidenepag Isopropyl, an EP2 Agonist and PGF ₂ ± toward TGF-β ₂ -Modulated Human Trabecular Meshwork (HTM) Cells. Journal of Clinical Medicine, 2022, 11, 1652.	2.4	1
5	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
6	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
7	Hypoxia Differently Affects TGF-β ₂ -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
8	Human Trabecular Meshwork (HTM) Cells Treated with TGF-β ₂ or Dexamethasone Respond to Compression Stress in Different Manners. Biomedicines, 2022, 10, 1338.	3.2	10
9	An β ₂ -Adrenergic Agonist, Brimonidine, Beneficially Affects the TGF-β ₂ -Treated Cellular Properties in an In Vitro Culture Model. Bioengineering, 2022, 9, 310.	3.5	2
10	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
11	ROCK inhibitors enhance the production of large lipid-enriched 3D organoids of 3T3-L1 cells. Scientific Reports, 2021, 11, 5479.	3.3	18
12	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
13	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
14	Prostaglandin F ₂ ± 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	Prostaglandin F ₂ ± 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
16	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
17	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
18	Diverse effects of pan-ROCK and ROCK2 inhibitors on 2 D and 3D cultured human trabecular meshwork (HTM) cells treated with TGFβ ₂ . Scientific Reports, 2021, 11, 15286.	3.3	14

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19	Rosiglitazone and ROCK Inhibitors Modulate Fibrogenetic Changes in TGF- β 2 Treated Human Conjunctival Fibroblasts (HconF) in Different Manners. International Journal of Molecular Sciences, 2021, 22, 7335.	4.1	19
20	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
21	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
22	Addition of EP2 agonists to an FP agonist additively and synergistically modulates adipogenesis and the physical properties of 3D 3T3-L1 spheroids. Prostaglandins Leukotrienes and Essential Fatty Acids, 2021, 171, 102315.	2.2	6
23	Establishment of appropriate glaucoma models using dexamethasone or TGF β 2 treated three-dimension (3D) cultured human trabecular meshwork (HTM) cells. Scientific Reports, 2021, 11, 19369.	3.3	19
24	Fatty acid-binding protein 4 is an independent factor in the pathogenesis of retinal vein occlusion. PLoS ONE, 2021, 16, e0245763.	2.5	3
25	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
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	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
28	Reactivities of a Prostanoid EP2 Agonist, Omidenepag, Are Useful for Distinguishing between 3D Spheroids of Human Orbital Fibroblasts without or with Graves's Orbitopathy. Cells, 2021, 10, 3196.	4.1	2
29	Prostaglandin F2 and EP2 Agonists Exert Different Effects on 3D 3T3-L1 Spheroids during Their Culture Phase. Biomedicines, 2021, 9, 1821.	3.2	2
30	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
31	ROCK inhibitors beneficially alter the spatial configuration of TGF β 2-treated 3D organoids from a human trabecular meshwork (HTM). Scientific Reports, 2020, 10, 20292.	3.3	28
32	Unique and progressive retinal degeneration in a patient with cancer associated retinopathy. American Journal of Ophthalmology Case Reports, 2020, 20, 100908.	0.7	3
33	Prostaglandin F2 β agonist-induced suppression of 3T3-L1 cell adipogenesis affects spatial formation of extra-cellular matrix. Scientific Reports, 2020, 10, 7958.	3.3	47
34	Prostaglandin F2 β Agonists Negatively Modulate the Size of 3D Organoids from Primary Human Orbital Fibroblasts. , 2020, 61, 13.		46
35	HIF2A-LOX Pathway Promotes Fibrotic Tissue Remodeling in Thyroid-Associated Orbitopathy. Endocrinology, 2019, 160, 20-35.	2.8	65
36	Fibro-Adipogenic Remodeling of the Diaphragm in Obesity-Associated Respiratory Dysfunction. Diabetes, 2019, 68, 45-56.	0.6	49

#	ARTICLE	IF	CITATIONS
37	Vascular compressive optic neuropathy caused by hypertensive intracranial ophthalmic artery. Japanese Journal of Ophthalmology, 2010, 54, 511-514.	1.9	0