

Fumihito Hikage

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	HIF2A“LOX Pathway Promotes Fibrotic Tissue Remodeling in Thyroid-Associated Orbitopathy. <i>Endocrinology</i> , 2019, 160, 20-35.	1.4	65
2	Fibro-Adipogenic Remodeling of the Diaphragm in Obesity-Associated Respiratory Dysfunction. <i>Diabetes</i> , 2019, 68, 45-56.	0.3	49
3	Prostaglandin F2± agonist-induced suppression of 3T3-L1 cell adipogenesis affects spatial formation of extra-cellular matrix. <i>Scientific Reports</i> , 2020, 10, 7958.	1.6	47
4	Prostaglandin F2± 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 TGF±2-treated 3D organoids from a human trabecular meshwork (HTM). <i>Scientific Reports</i> , 2020, 10, 20292.	1.6	28
6	Omidenepag, a non-prostanoid EP2 receptor agonist, induces enlargement of the 3D organoid of 3T3-L1 cells. <i>Scientific Reports</i> , 2020, 10, 16018.	1.6	25
7	Rosiglitazone and ROCK Inhibitors Modulate Fibrogenetic Changes in TGF±2 Treated Human Conjunctival Fibroblasts (HconF) in Different Manners. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7335.	1.8	19
8	Establishment of appropriate glaucoma models using dexamethasone or TGF±2 treated three-dimension (3D) cultured human trabecular meshwork (HTM) cells. <i>Scientific Reports</i> , 2021, 11, 19369.	1.6	19
9	ROCK inhibitors enhance the production of large lipid-enriched 3D organoids of 3T3-L1 cells. <i>Scientific Reports</i> , 2021, 11, 5479.	1.6	18
10	STAT3 Is the Master Regulator for the Forming of 3D Spheroids of 3T3-L1 Preadipocytes. <i>Cells</i> , 2022, 11, 300.	1.8	18
11	Prostaglandin F2± agonists induced enhancement in collagen1 expression is involved in the pathogenesis of the deepening of upper eyelid sulcus. <i>Scientific Reports</i> , 2021, 11, 9002.	1.6	14
12	NF±B activation in retinal microglia is involved in the inflammatory and neovascularization signaling in laser-induced choroidal neovascularization in mice. <i>Experimental Cell Research</i> , 2021, 403, 112581.	1.2	14
13	Diverse effects of pan-ROCK and ROCK2 inhibitors on 2 D and 3D cultured human trabecular meshwork (HTM) cells treated with TGF±2. <i>Scientific Reports</i> , 2021, 11, 15286.	1.6	14
14	Prostaglandin F2± and EP2 agonists, and a ROCK inhibitor modulate the formation of 3D organoids of Grave's orbitopathy related human orbital fibroblasts. <i>Experimental Eye Research</i> , 2021, 205, 108489.	1.2	13
15	Screening of the Drug-Induced Effects of Prostaglandin EP2 and FP Agonists on 3D Cultures of Dexamethasone-Treated Human Trabecular Meshwork Cells. <i>Biomedicines</i> , 2021, 9, 930.	1.4	12
16	Human Trabecular Meshwork (HTM) Cells Treated with TGF±2 or Dexamethasone Respond to Compression Stress in Different Manners. <i>Biomedicines</i> , 2022, 10, 1338.	1.4	10
17	ROCK 1 and 2 affect the spatial architecture of 3D spheroids derived from human corneal stromal fibroblasts in different manners. <i>Scientific Reports</i> , 2022, 12, 7419.	1.6	9
18	Omidenepag, a Selective, Prostanoid EP2 Agonist, Does Not Suppress Adipogenesis in 3D Organoids of Human Orbital Fibroblasts. <i>Translational Vision Science and Technology</i> , 2021, 10, 6.	1.1	8

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19	Simultaneous Use of ROCK Inhibitors and EP2 Agonists Induces Unexpected Effects on Adipogenesis and the Physical Properties of 3T3-L1 Preadipocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4648.	1.8	8
20	Hypoxia Differently Affects TGF- β 2-Induced Epithelial Mesenchymal Transitions in the 2D and 3D Culture of the Human Retinal Pigment Epithelium Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5473.	1.8	8
21	Detection of significantly high vitreous concentrations of fatty acid-binding protein 4 in patients with proliferative diabetic retinopathy. <i>Scientific Reports</i> , 2021, 11, 12382.	1.6	7
22	ROCK inhibitors modulate the physical properties and adipogenesis of 3D spheroids of human orbital fibroblasts in different manners. <i>FASEB BioAdvances</i> , 2021, 3, 866-872.	1.3	7
23	Addition of EP2 agonists to an FP agonist additively and synergistically modulates adipogenesis and the physical properties of 3D 3T3-L1 spheroids. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 171, 102315.	1.0	6
24	Pan-ROCK and ROCK2 Inhibitors Affect Dexamethasone-Treated 2D- and 3D-Cultured Human Trabecular Meshwork (HTM) Cells in Opposite Manners. <i>Molecules</i> , 2021, 26, 6382.	1.7	6
25	Addition of ROCK inhibitors to prostaglandin derivative (PG) synergistically affects adipogenesis of the 3D spheroids of human orbital fibroblasts (HOFs). <i>Human Cell</i> , 2022, 35, 125-132.	1.2	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. <i>Current Issues in Molecular Biology</i> , 2021, 43, 1715-1725.	1.0	4
27	Unique and progressive retinal degeneration in a patient with cancer associated retinopathy. <i>American Journal of Ophthalmology Case Reports</i> , 2020, 20, 100908.	0.4	3
28	Fatty acid-binding protein 4 is an independent factor in the pathogenesis of retinal vein occlusion. <i>PLoS ONE</i> , 2021, 16, e0245763.	1.1	3
29	Autotaxin May Have Lysophosphatidic Acid-Unrelated Effects on Three-Dimension (3D) Cultured Human Trabecular Meshwork (HTM) Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12039.	1.8	2
30	Reactivities of a Prostanoid EP2 Agonist, Omidenepag, Are Useful for Distinguishing between 3D Spheroids of Human Orbital Fibroblasts without or with Graves's Orbitopathy. <i>Cells</i> , 2021, 10, 3196.	1.8	2
31	Prostaglandin F2 and EP2 Agonists Exert Different Effects on 3D 3T3-L1 Spheroids during Their Culture Phase. <i>Biomedicines</i> , 2021, 9, 1821.	1.4	2
32	An β 2-Adrenergic Agonist, Brimonidine, Beneficially Affects the TGF- β 2-Treated Cellular Properties in an In Vitro Culture Model. <i>Bioengineering</i> , 2022, 9, 310.	1.6	2
33	Fatty Acid-Binding Proteins 4 and 5 Are Involved in the Pathogenesis of Retinal Vascular Diseases in Different Manners. <i>Life</i> , 2022, 12, 467.	1.1	1
34	Comparison of the Drug-Induced Efficacies between Omidenepag Isopropyl, an EP2 Agonist and PGF2 β toward TGF- β 2-Modulated Human Trabecular Meshwork (HTM) Cells. <i>Journal of Clinical Medicine</i> , 2022, 11, 1652.	1.0	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. <i>FASEB Journal</i> , 2022, 36, e22067.	0.2	1
36	Vascular compressive optic neuropathy caused by hypertensive intracranial ophthalmic artery. <i>Japanese Journal of Ophthalmology</i> , 2010, 54, 511-514.	0.9	0

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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.	1.0	0