

# Fumihito Hikage

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

183  
citations

7  
h-index

12  
g-index

38  
ext. papers

364  
ext. citations

4.3  
avg, IF

3.91  
L-index

#	Paper	IF	Citations
29	STAT3 Is the Master Regulator for the Forming of 3D Spheroids of 3T3-L1 Preadipocytes.. <i>Cells</i> , <b>2022</b> , 11,	7.9	3
28	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> , <b>2022</b> , 36, e22067	0.9	
27	ROCK 1 and 2 affect the spatial architecture of 3D spheroids derived from human corneal stromal fibroblasts in different manners.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7419	4.9	1
26	Hypoxia Differently Affects TGF- $\beta$ -Induced Epithelial Mesenchymal Transitions in the 2D and 3D Culture of the Human Retinal Pigment Epithelium Cells. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5473	6.3	2
25	Autotaxin May Have Lysophosphatidic Acid-Unrelated Effects on Three-Dimension (3D) Cultured Human Trabecular Meshwork (HTM) Cells. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
24	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> , <b>2021</b> , 43, 1715-1725	2.9	0
23	ROCK inhibitors enhance the production of large lipid-enriched 3D organoids of 3T3-L1 cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 5479	4.9	7
22	Omidenepag, a Selective, Prostanoid EP2 Agonist, Does Not Suppress Adipogenesis in 3D Organoids of Human Orbital Fibroblasts. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 6	3.3	3
21	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> , <b>2021</b> , 22,	6.3	3
20	Prostaglandin F <sub>2</sub> $\alpha$ 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> , <b>2021</b> , 205, 108489	3.7	4
19	Prostaglandin F <sub>2</sub> $\alpha$ agonists induced enhancement in collagen1 expression is involved in the pathogenesis of the deepening of upper eyelid sulcus. <i>Scientific Reports</i> , <b>2021</b> , 11, 9002	4.9	5
18	NF- $\kappa$ 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> , <b>2021</b> , 403, 112581	4.2	5
17	Detection of significantly high vitreous concentrations of fatty acid-binding protein 4 in patients with proliferative diabetic retinopathy. <i>Scientific Reports</i> , <b>2021</b> , 11, 12382	4.9	1
16	Diverse effects of pan-ROCK and ROCK2 inhibitors on 2 D and 3D cultured human trabecular meshwork (HTM) cells treated with TGF $\beta$ . <i>Scientific Reports</i> , <b>2021</b> , 11, 15286	4.9	2
15	Rosiglitazone and ROCK Inhibitors Modulate Fibrogenetic Changes in TGF- $\beta$ Treated Human Conjunctival Fibroblasts (HconF) in Different Manners. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
14	ROCK inhibitors modulate the physical properties and adipogenesis of 3D spheroids of human orbital fibroblasts in different manners. <i>FASEB BioAdvances</i> , <b>2021</b> , 3, 866-872	2.8	0
13	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> , <b>2021</b> , 9,	4.8	3

12	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> , <b>2021</b> , 171, 102315	2.8	2
11	Establishment of appropriate glaucoma models using dexamethasone or TGF $\beta$ treated three-dimension (3D) cultured human trabecular meshwork (HTM) cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 19369	4.9	4
10	Addition of ROCK inhibitors to prostaglandin derivative (PG) synergistically affects adipogenesis of the 3D spheroids of human orbital fibroblasts (HOFs). <i>Human Cell</i> , <b>2021</b> , 1	4.5	0
9	Fatty acid-binding protein 4 is an independent factor in the pathogenesis of retinal vein occlusion. <i>PLoS ONE</i> , <b>2021</b> , 16, e0245763	3.7	1
8	Unique and progressive retinal degeneration in a patient with cancer associated retinopathy. <i>American Journal of Ophthalmology Case Reports</i> , <b>2020</b> , 20, 100908	1.3	2
7	Prostaglandin F $2\alpha$ agonist-induced suppression of 3T3-L1 cell adipogenesis affects spatial formation of extra-cellular matrix. <i>Scientific Reports</i> , <b>2020</b> , 10, 7958	4.9	22
6	Prostaglandin F $2\alpha$ Agonists Negatively Modulate the Size of 3D Organoids from Primary Human Orbital Fibroblasts <b>2020</b> , 61, 13		22
5	Omidenepag, a non-prostanoid EP2 receptor agonist, induces enlargement of the 3D organoid of 3T3-L1 cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 16018	4.9	14
4	ROCK inhibitors beneficially alter the spatial configuration of TGF $\beta$ -treated 3D organoids from a human trabecular meshwork (HTM). <i>Scientific Reports</i> , <b>2020</b> , 10, 20292	4.9	10
3	HIF2A-LOX Pathway Promotes Fibrotic Tissue Remodeling in Thyroid-Associated Orbitopathy. <i>Endocrinology</i> , <b>2019</b> , 160, 20-35	4.8	36
2	Fibro-Adipogenic Remodeling of the Diaphragm in Obesity-Associated Respiratory Dysfunction. <i>Diabetes</i> , <b>2019</b> , 68, 45-56	0.9	23
1	Vascular compressive optic neuropathy caused by hypertensive intracranial ophthalmic artery. <i>Japanese Journal of Ophthalmology</i> , <b>2010</b> , 54, 511-4	2.6	