

Arvydas Maminishkis

List of Publications by Year in descending order

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46
papers

2,485
citations

279798

23
h-index

377865

34
g-index

46
all docs

46
docs citations

46
times ranked

3508
citing authors

#	ARTICLE	IF	CITATIONS
1	Confluent Monolayers of Cultured Human Fetal Retinal Pigment Epithelium Exhibit Morphology and Physiology of Native Tissue. , 2006, 47, 3612.		354
2	MicroRNA-204/211 alters epithelial physiology. FASEB Journal, 2010, 24, 1552-1571.	0.5	218
3	Clinical-grade stem cell-derived retinal pigment epithelium patch rescues retinal degeneration in rodents and pigs. Science Translational Medicine, 2019, 11, .	12.4	206
4	Primary Cilium-Mediated Retinal Pigment Epithelium Maturation Is Disrupted in Ciliopathy Patient Cells. Cell Reports, 2018, 22, 189-205.	6.4	109
5	Control of Chemokine Gradients by the Retinal Pigment Epithelium. , 2008, 49, 4620.		91
6	Microphthalmia-associated Transcription Factor (MITF) Promotes Differentiation of Human Retinal Pigment Epithelium (RPE) by Regulating microRNAs-204/211 Expression. Journal of Biological Chemistry, 2012, 287, 20491-20503.	3.4	90
7	IL-18 Attenuates Experimental Choroidal Neovascularization as a Potential Therapy for Wet Age-Related Macular Degeneration. Science Translational Medicine, 2014, 6, 230ra44.	12.4	87
8	In Pursuit of Authenticity: Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium for Clinical Applications. Stem Cells Translational Medicine, 2016, 5, 1562-1574.	3.3	83
9	The P2Y(2) receptor agonist INS37217 stimulates RPE fluid transport in vitro and retinal reattachment in rat. Investigative Ophthalmology and Visual Science, 2002, 43, 3555-66.	3.3	80
10	Gene Expression Profiling in Autoimmune Noninfectious Uveitis Disease. Journal of Immunology, 2008, 181, 5147-5157.	0.8	70
11	PDGF-CC blockade inhibits pathological angiogenesis by acting on multiple cellular and molecular targets. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12216-12221.	7.1	69
12	Human Adult Retinal Pigment Epithelial Stem Cell-Derived RPE Monolayers Exhibit Key Physiological Characteristics of Native Tissue. , 2015, 56, 7085.		65
13	Concerted regulation of retinal pigment epithelium basement membrane and barrier function by angiocrine factors. Nature Communications, 2017, 8, 15374.	12.8	64
14	Autoreactive Memory CD4+ T Lymphocytes That Mediate Chronic Uveitis Reside in the Bone Marrow through STAT3-Dependent Mechanisms. Journal of Immunology, 2011, 187, 3338-3346.	0.8	53
15	Rare and common variants in extracellular matrix gene Fibrillin 2 (FBN2) are associated with macular degeneration. Human Molecular Genetics, 2014, 23, 5827-5837.	2.9	52
16	PDGF-C and -D Induced Proliferation/Migration of Human RPE Is Abolished by Inflammatory Cytokines. , 2007, 48, 5722.		51
17	Retinal Pigment Epithelium Replacement Therapy for Age-Related Macular Degeneration: Are We There Yet?. Annual Review of Pharmacology and Toxicology, 2020, 60, 553-572.	9.4	49
18	Nanofiber Scaffold-Based Tissue-Engineered Retinal Pigment Epithelium to Treat Degenerative Eye Diseases. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 272-285.	1.4	48

#	ARTICLE	IF	CITATIONS
19	Expression, Localization, and Function of Junctional Adhesion Molecule-C (JAM-C) in Human Retinal Pigment Epithelium. , 2009, 50, 1454.		47
20	A Multiplex High-Throughput Gene Expression Assay to Simultaneously Detect Disease and Functional Markers in Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium. Stem Cells Translational Medicine, 2014, 3, 911-922.	3.3	47
21	CNTF Mediates Neurotrophic Factor Secretion and Fluid Absorption in Human Retinal Pigment Epithelium. PLoS ONE, 2011, 6, e23148.	2.5	45
22	Integrin $\alpha 5 \beta 1$ Mediates Attachment, Migration, and Proliferation in Human Retinal Pigment Epithelium: Relevance for Proliferative Retinal Disease. , 2009, 50, 5988.		39
23	IFN γ regulates retinal pigment epithelial fluid transport. American Journal of Physiology - Cell Physiology, 2009, 297, C1452-C1465.	4.6	38
24	Inflammasomes Induced by 7-Ketocholesterol and Other Stimuli in RPE and in Bone Marrow-Derived Cells Differ Markedly in Their Production of IL-1 β and IL-18. Investigative Ophthalmology and Visual Science, 2015, 56, 1658-1664.	3.3	38
25	Toll-like Receptor 2 Facilitates Oxidative Damage-Induced Retinal Degeneration. Cell Reports, 2020, 30, 2209-2224.e5.	6.4	36
26	Single-cell resolution map of human retinal pigment epithelium helps discover subpopulations with differential disease sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117553119.	7.1	36
27	Modulation of MCT3 Expression during Wound Healing of the Retinal Pigment Epithelium. , 2010, 51, 5343.		32
28	Platelet-derived Growth Factor-DD Targeting Arrests Pathological Angiogenesis by Modulating Glycogen Synthase Kinase-3 β Phosphorylation. Journal of Biological Chemistry, 2010, 285, 15500-15510.	3.4	32
29	Analysis of Ocular Hypopigmentation in <i>Rab38</i> Mice. , 2007, 48, 3905.		31
30	Experimental Models for Study of Retinal Pigment Epithelial Physiology and Pathophysiology. Journal of Visualized Experiments, 2010, , .	0.3	29
31	Influence of TIMP3/SYN3 polymorphisms on the phenotypic presentation of age-related macular degeneration. European Journal of Human Genetics, 2013, 21, 1152-1157.	2.8	25
32	Age-Related Changes of Cystatin C Expression and Polarized Secretion by Retinal Pigment Epithelium: Potential Age-Related Macular Degeneration Links. , 2014, 55, 926.		25
33	Longitudinal adaptive optics fluorescence microscopy reveals cellular mosaicism in patients. JCI Insight, 2019, 4, .	5.0	25
34	A Step by Step Protocol for Subretinal Surgery in Rabbits. Journal of Visualized Experiments, 2016, , .	0.3	23
35	Iron upregulates melanogenesis in cultured retinal pigment epithelial cells. Experimental Eye Research, 2014, 128, 92-101.	2.6	19
36	Constancy of ERp29 Expression in Cultured Retinal Pigment Epithelial Cells in the Ccl2/Cx3cr1 Deficient Mouse Model of Age-Related Macular Degeneration. Current Eye Research, 2008, 33, 701-707.	1.5	18

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37	Regulation of phagolysosomal activity by miR-204 critically influences structure and function of retinal pigment epithelium/retina. <i>Human Molecular Genetics</i> , 2019, 28, 3355-3368.	2.9	18
38	Semaphorin4D-PlexinB1 Signaling Attenuates Photoreceptor Outer Segment Phagocytosis by Reducing Rac1 Activity of RPE Cells. <i>Molecular Neurobiology</i> , 2018, 55, 4320-4332.	4.0	14
39	Polarized Human Retinal Pigment Epithelium Exhibits Distinct Surface Proteome on Apical and Basal Plasma Membranes. <i>Methods in Molecular Biology</i> , 2018, 1722, 223-247.	0.9	13
40	Validation of iPS Cell-Derived RPE Tissue in Animal Models. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1074, 633-640.	1.6	9
41	Anatomical and Gene Expression Changes in the Retinal Pigmented Epithelium Atrophy 1 (rpea1) Mouse: A Potential Model of Serous Retinal Detachment. , 2016, 57, 4641.		3
42	High-yield, automated intracellular electrophysiology in retinal pigment epithelia. <i>Journal of Neuroscience Methods</i> , 2019, 328, 108442.	2.5	2
43	A switchable positive and negative air pressure device for efficient and gentle handling of nanofiber scaffolds. <i>Review of Scientific Instruments</i> , 2017, 88, 104301.	1.3	1
44	Leukocyte chemotactic receptor Fpr1 protects against aging-related posterior subcapsular cataract formation. <i>FASEB Journal</i> , 2021, 35, e21315.	0.5	1
45	Induced Pluripotent Stem Cell-Derived Autologous Cell Therapy for Age-Related Macular Degeneration. , 2017, , 33-44.		0
46	Primary Cilium Mediated Retinal Pigment Epithelium Maturation is Retarded in Ciliopathy Patient Cells. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0