

# Arvydas Maminishkis

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Single-cell resolution map of human retinal pigment epithelium helps discover subpopulations with differential disease sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117553119.	7.1	36
2	Leukocyte chemotactic receptor Fpr1 protects against aging-related posterior subcapsular cataract formation. <i>FASEB Journal</i> , 2021, 35, e21315.	0.5	1
3	Retinal Pigment Epithelium Replacement Therapy for Age-Related Macular Degeneration: Are We There Yet?. <i>Annual Review of Pharmacology and Toxicology</i> , 2020, 60, 553-572.	9.4	49
4	Toll-like Receptor 2 Facilitates Oxidative Damage-Induced Retinal Degeneration. <i>Cell Reports</i> , 2020, 30, 2209-2224.e5.	6.4	36
5	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
6	High-yield, automated intracellular electrophysiology in retinal pigment epithelia. <i>Journal of Neuroscience Methods</i> , 2019, 328, 108442.	2.5	2
7	Clinical-grade stem cell-derived retinal pigment epithelium patch rescues retinal degeneration in rodents and pigs. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	206
8	Longitudinal adaptive optics fluorescence microscopy reveals cellular mosaicism in patients. <i>JCI Insight</i> , 2019, 4, .	5.0	25
9	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
10	Primary Cilium-Mediated Retinal Pigment Epithelium Maturation Is Disrupted in Ciliopathy Patient Cells. <i>Cell Reports</i> , 2018, 22, 189-205.	6.4	109
11	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
12	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
13	Induced Pluripotent Stem Cell-Derived Autologous Cell Therapy for Age-Related Macular Degeneration. , 2017, , 33-44.		0
14	Concerted regulation of retinal pigment epithelium basement membrane and barrier function by angiocrine factors. <i>Nature Communications</i> , 2017, 8, 15374.	12.8	64
15	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
16	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
17	Nanofiber Scaffold-Based Tissue-Engineered Retinal Pigment Epithelium to Treat Degenerative Eye Diseases. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 272-285.	1.4	48
18	In Pursuit of Authenticity: Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium for Clinical Applications. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1562-1574.	3.3	83

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19	A Step by Step Protocol for Subretinal Surgery in Rabbits. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	23
20	Human Adult Retinal Pigment Epithelial Stem Cellâ€œDerived RPE Monolayers Exhibit Key Physiological Characteristics of Native Tissue. , 2015, 56, 7085.		65
21	Inflammasomes Induced by 7-Ketocholesterol and Other Stimuli in RPE and in Bone Marrow-Derived Cells Differ Markedly in Their Production of IL-1 $\beta$ and IL-18. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1658-1664.	3.3	38
22	Age-Related Changes of Cystatin C Expression and Polarized Secretion by Retinal Pigment Epithelium: Potential Age-Related Macular Degeneration Links. , 2014, 55, 926.		25
23	IL-18 Attenuates Experimental Choroidal Neovascularization as a Potential Therapy for Wet Age-Related Macular Degeneration. <i>Science Translational Medicine</i> , 2014, 6, 230ra44.	12.4	87
24	A Multiplex High-Throughput Gene Expression Assay to Simultaneously Detect Disease and Functional Markers in Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium. <i>Stem Cells Translational Medicine</i> , 2014, 3, 911-922.	3.3	47
25	Iron upregulates melanogenesis in cultured retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 2014, 128, 92-101.	2.6	19
26	Rare and common variants in extracellular matrix gene Fibrillin 2 (FBN2) are associated with macular degeneration. <i>Human Molecular Genetics</i> , 2014, 23, 5827-5837.	2.9	52
27	Influence of TIMP3/SYN3 polymorphisms on the phenotypic presentation of age-related macular degeneration. <i>European Journal of Human Genetics</i> , 2013, 21, 1152-1157.	2.8	25
28	Microphthalmia-associated Transcription Factor (MITF) Promotes Differentiation of Human Retinal Pigment Epithelium (RPE) by Regulating microRNAs-204/211 Expression. <i>Journal of Biological Chemistry</i> , 2012, 287, 20491-20503.	3.4	90
29	Autoreactive Memory CD4+ T Lymphocytes That Mediate Chronic Uveitis Reside in the Bone Marrow through STAT3-Dependent Mechanisms. <i>Journal of Immunology</i> , 2011, 187, 3338-3346.	0.8	53
30	CNTF Mediates Neurotrophic Factor Secretion and Fluid Absorption in Human Retinal Pigment Epithelium. <i>PLoS ONE</i> , 2011, 6, e23148.	2.5	45
31	Experimental Models for Study of Retinal Pigment Epithelial Physiology and Pathophysiology. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	29
32	Modulation of MCT3 Expression during Wound Healing of the Retinal Pigment Epithelium. , 2010, 51, 5343.		32
33	PDGF-CC blockade inhibits pathological angiogenesis by acting on multiple cellular and molecular targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12216-12221.	7.1	69
34	Platelet-derived Growth Factor-DD Targeting Arrests Pathological Angiogenesis by Modulating Glycogen Synthase Kinase-3 $\beta$ Phosphorylation. <i>Journal of Biological Chemistry</i> , 2010, 285, 15500-15510.	3.4	32
35	MicroRNAâ€œ204/211 alters epithelial physiology. <i>FASEB Journal</i> , 2010, 24, 1552-1571.	0.5	218
36	Integrin $\alpha$ 5 $\beta$ 1 Mediates Attachment, Migration, and Proliferation in Human Retinal Pigment Epithelium: Relevance for Proliferative Retinal Disease. , 2009, 50, 5988.		39

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37	IFN $\gamma$ regulates retinal pigment epithelial fluid transport. American Journal of Physiology - Cell Physiology, 2009, 297, C1452-C1465.	4.6	38
38	Expression, Localization, and Function of Junctional Adhesion Molecule-C (JAM-C) in Human Retinal Pigment Epithelium. , 2009, 50, 1454.		47
39	Gene Expression Profiling in Autoimmune Noninfectious Uveitis Disease. Journal of Immunology, 2008, 181, 5147-5157.	0.8	70
40	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
41	Control of Chemokine Gradients by the Retinal Pigment Epithelium. , 2008, 49, 4620.		91
42	PDGF-C and -D Induced Proliferation/Migration of Human RPE Is Abolished by Inflammatory Cytokines. , 2007, 48, 5722.		51
43	Analysis of Ocular Hypopigmentation in <i>Rab38</i> <sup>cht/cht</sup> Mice. , 2007, 48, 3905.		31
44	Confluent Monolayers of Cultured Human Fetal Retinal Pigment Epithelium Exhibit Morphology and Physiology of Native Tissue. , 2006, 47, 3612.		354
45	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
46	Primary Cilium Mediated Retinal Pigment Epithelium Maturation is Retarded in Ciliopathy Patient Cells. SSRN Electronic Journal, 0, , .	0.4	0