

Mike O Karl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2838779/publications.pdf>

Version: 2024-02-01

43
papers

3,008
citations

361413
20
h-index

302126
39
g-index

44
all docs

44
docs citations

44
times ranked

3048
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of human organoid retina with digital holographic transmission matrix measurements. <i>Light Advanced Manufacturing</i> , 2022, 3, 1.	5.1	3
2	Evidence for endogenous exchange of cytoplasmic material between a subset of cone and rod photoreceptors within the adult mammalian retina via direct cell-cell connections. <i>Experimental Eye Research</i> , 2022, 219, 109033.	2.6	12
3	Transplanted human cones incorporate into the retina and function in a murine cone degeneration model. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	26
4	Mouse Retinal Organoid Growth and Maintenance in Longer-Term Culture. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 645704.	3.7	13
5	Optimized Adeno-Associated Virus Vectors for Efficient Transduction of Human Retinal Organoids. <i>Human Gene Therapy</i> , 2021, 32, 694-706.	2.7	22
6	A Human Retinal Pigment Epithelium-Based Screening Platform Reveals Inducers of Photoreceptor Outer Segments Phagocytosis. <i>Stem Cell Reports</i> , 2020, 15, 1347-1361.	4.8	7
7	MERTK-Dependent Ensheathment of Photoreceptor Outer Segments by Human Pluripotent Stem Cell-Derived Retinal Pigment Epithelium. <i>Stem Cell Reports</i> , 2020, 14, 374-389.	4.8	17
8	Morphoâ€œrheological Fingerprinting of Rod Photoreceptors Using Realâ€œTime Deformability Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 1145-1157.	1.5	10
9	Hematopoietic hypoxiaâ€œinducible factor 2Î± deficiency ameliorates pathological retinal neovascularization <i>via</i> modulation of endothelial cell apoptosis. <i>FASEB Journal</i> , 2019, 33, 1758-1770.	0.5	15
10	The Mouse Retinal Organoid Trisection Recipe: Efficient Generation of 3D Retinal Tissue from Mouse Embryonic Stem Cells. <i>Methods in Molecular Biology</i> , 2019, 1834, 119-141.	0.9	11
11	Prospective purification and characterization of MÃ¼ller glia in the mouse retina regeneration assay. <i>Glia</i> , 2017, 65, 828-847.	4.9	11
12	Retinal cell death dependent reactive proliferative gliosis in the mouse retina. <i>Scientific Reports</i> , 2017, 7, 9517.	3.3	30
13	Improved Imaging of Magnetically Labeled Cells Using Rotational Magnetomotive Optical Coherence Tomography. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 444.	2.5	6
14	Author Response: Possibility of Cytoplasmic Transportation Between Donorâ€œHost Cell Following Photoreceptor Transplantation. , 2016, 57, 5336.		0
15	Stem Cellâ€œDerived Photoreceptor Transplants Differentially Integrate Into Mouse Models of Cone-Rod Dystrophy. , 2016, 57, 3509.		71
16	Retinal Organoids from Pluripotent Stem Cells Efficiently Recapitulate Retinogenesis. <i>Stem Cell Reports</i> , 2016, 6, 525-538.	4.8	236
17	Age-dependent MÃ¼ller glia neurogenic competence in the mouse retina. <i>Glia</i> , 2015, 63, 1809-1824.	4.9	69
18	Imaging of nanoparticle-labeled stem cells using magnetomotive optical coherence tomography, laser speckle reflectometry, and light microscopy. <i>Journal of Biomedical Optics</i> , 2015, 20, 036018.	2.6	7

#	ARTICLE	IF	CITATIONS
19	Expression of the transcription factor Hes3 in the mouse and human ocular surface, and in pterygium. International Journal of Radiation Biology, 2014, 90, 700-709.	1.8	2
20	Characterization of a Mouse Model With Complete RPE Loss and Its Use for RPE Cell Transplantation. , 2014, 55, 5431.		54
21	The potential of stem cell research for the treatment of neuronal damage in glaucoma. Cell and Tissue Research, 2013, 353, 311-325.	2.9	20
22	High-resolution optical coherence tomography in mouse models of genetic and induced retinal degeneration. , 2013, , .		1
23	Magnetomotive imaging of iron oxide nanoparticles as cellular contrast agents for optical coherence tomography. Proceedings of SPIE, 2013, , .	0.8	3
24	Three-Dimensional Neuroepithelial Culture from Human Embryonic Stem Cells and Its Use for Quantitative Conversion to Retinal Pigment Epithelium. PLoS ONE, 2013, 8, e54552.	2.5	92
25	P53 is required for the developmental restriction in M μ ller glial proliferation in mouse retina. Glia, 2012, 60, 1579-1589.	4.9	50
26	Studying the Generation of Regenerated Retinal Neuron from M μ ller Glia in the Mouse Eye. Methods in Molecular Biology, 2012, 884, 213-227.	0.9	25
27	Genome-Wide Analysis of M μ ller Glial Differentiation Reveals a Requirement for Notch Signaling in Postmitotic Cells to Maintain the Glial Fate. PLoS ONE, 2011, 6, e22817.	2.5	124
28	Regenerative medicine for retinal diseases: activating endogenous repair mechanisms. Trends in Molecular Medicine, 2010, 16, 193-202.	6.7	196
29	Strategies for retinal repair: cell replacement and regeneration. Progress in Brain Research, 2009, 175, 23-31.	1.4	75
30	Baf60c is a component of the neural progenitor μ -specific BAF complex in developing retina. Developmental Dynamics, 2008, 237, 3016-3023.	1.8	38
31	Endogenous Gas6 and Ca $^{2+}$ -channel activation modulate phagocytosis by retinal pigment epithelium. Cellular Signalling, 2008, 20, 1159-1168.	3.6	39
32	Neural Regeneration and Cell Replacement: A View from the Eye. Cell Stem Cell, 2008, 2, 538-549.	11.1	155
33	Stimulation of neural regeneration in the mouse retina. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19508-19513.	7.1	347
34	Electron probe X-ray microanalysis of intact pathway for human aqueous humor outflow. American Journal of Physiology - Cell Physiology, 2008, 295, C1083-C1091.	4.6	10
35	Cell-specific differential modulation of human trabecular meshwork cells by selective adenosine receptor agonists. Experimental Eye Research, 2007, 84, 126-134.	2.6	12
36	The Ternary Rab27a-Myrip-Myosin VIIa Complex Regulates Melanosome Motility in the Retinal Pigment Epithelium. Traffic, 2007, 8, 486-499.	2.7	81

#	ARTICLE	IF	CITATIONS
37	Ion channels in the RPE. <i>Progress in Retinal and Eye Research</i> , 2007, 26, 263-301.	15.5	167
38	Voltage-dependent ion channels in the mouse RPE: Comparison with Norrie disease mice. <i>Vision Research</i> , 2006, 46, 688-698.	1.4	27
39	The Light Peak of the Electroretinogram Is Dependent on Voltage-gated Calcium Channels and Antagonized by Bestrophin (Best-1). <i>Journal of General Physiology</i> , 2006, 127, 577-589.	1.9	186
40	Efficient generation of retinal progenitor cells from human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12769-12774.	7.1	656
41	Cell culture conditions affect RPE phagocytic function. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2006, 245, 981-991.	1.9	10
42	Differential P1-purinergic modulation of human Schlemm's canal inner-wall cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C784-C794.	4.6	33
43	Common actions of adenosine receptor agonists in modulating human trabecular meshwork cell transport. <i>Journal of Membrane Biology</i> , 2003, 193, 121-136.	2.1	38