

Elliott H Sohn

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

5,290
citations

126907

33
h-index

91884

69
g-index

94
all docs

94
docs citations

94
times ranked

5946
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy and safety of voretigene neparvovec (AAV2-hRPE65v2) in patients with RPE65 -mediated inherited retinal dystrophy: a randomised, controlled, open-label, phase 3 trial. <i>Lancet</i> , 2017, 390, 849-860.	13.7	1,250
2	Retinal neurodegeneration may precede microvascular changes characteristic of diabetic retinopathy in diabetes mellitus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2655-64.	7.1	442
3	Paracentral Acute Middle Maculopathy. <i>JAMA Ophthalmology</i> , 2013, 131, 1275.	2.5	365
4	Aflibercept Therapy for Exudative Age-related Macular Degeneration Resistant to Bevacizumab and Ranibizumab. <i>American Journal of Ophthalmology</i> , 2013, 156, 15-22.e1.	3.3	217
5	Complement activation and choriocapillaris loss in early AMD: Implications for pathophysiology and therapy. <i>Progress in Retinal and Eye Research</i> , 2015, 45, 1-29.	15.5	189
6	Effect of an intravitreal antisense oligonucleotide on vision in Leber congenital amaurosis due to a photoreceptor cilium defect. <i>Nature Medicine</i> , 2019, 25, 225-228.	30.7	177
7	The Membrane Attack Complex in Aging Human Choriocapillaris. <i>American Journal of Pathology</i> , 2014, 184, 3142-3153.	3.8	174
8	Lentiviral Vector Gene Transfer of Endostatin/Angiostatin for Macular Degeneration (GEM) Study. <i>Human Gene Therapy</i> , 2017, 28, 99-111.	2.7	151
9	Structural and molecular changes in the aging choroid: implications for age-related macular degeneration. <i>Eye</i> , 2017, 31, 10-25.	2.1	146
10	Using CRISPR-Cas9 to Generate Gene-Corrected Autologous iPSCs for the Treatment of Inherited Retinal Degeneration. <i>Molecular Therapy</i> , 2017, 25, 1999-2013.	8.2	121
11	Clinical Features of Tuberculous Serpiginouslike Choroiditis in Contrast to Classic Serpiginous Choroiditis. <i>JAMA Ophthalmology</i> , 2010, 128, 853.	2.4	109
12	Phenotypic Variability in RDH5 Retinopathy (Fundus Albipunctatus). <i>Ophthalmology</i> , 2011, 118, 1661-1670.	5.2	81
13	Structural and Biochemical Analyses of Choroidal Thickness in Human Donor Eyes. , 2014, 55, 1352.		77
14	Long-Term, Multicenter Evaluation of Subconjunctival Injection of Triamcinolone for Non-Necrotizing, Noninfectious Anterior Scleritis. <i>Ophthalmology</i> , 2011, 118, 1932-1937.	5.2	66
15	HAND-HELD SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY FINDING IN SHAKEN-BABY SYNDROME. <i>Retina</i> , 2010, 30, S45-S50.	1.7	64
16	Approach for a Clinically Useful Comprehensive Classification of Vascular and Neural Aspects of Diabetic Retinal Disease. , 2018, 59, 519.		62
17	Combination Therapy for Neovascular Age-related Macular Degeneration Refractory to Anti-Vascular Endothelial Growth Factor Agents. <i>Ophthalmology</i> , 2013, 120, 2029-2034.	5.2	59
18	RETINAL PIGMENT EPITHELIAL CHANGES IN CHRONIC VOGT-KOYANAGI-HARADA DISEASE. <i>Retina</i> , 2010, 30, 33-41.	1.7	54

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19	Three-dimensional Distribution of the Vitelliform Lesion, Photoreceptors, and Retinal Pigment Epithelium in the Macula of Patients With Best Vitelliform Macular Dystrophy. <i>JAMA Ophthalmology</i> , 2012, 130, 357.	2.4	54
20	Testosterone (T)-Induced Changes in Arcuate Nucleus Cocaine-Amphetamine-Regulated Transcript and NPY mRNA Are Attenuated in Old Compared to Young Male Brown Norway Rats: Contribution of T to Age-Related Changes in Cocaine-Amphetamine-Regulated Transcript and NPY Gene Expression. <i>Endocrinology</i> , 2002, 143, 954-963.	2.8	53
21	Assessment of Adeno-Associated Virus Serotype Tropism in Human Retinal Explants. <i>Human Gene Therapy</i> , 2018, 29, 424-436.	2.7	53
22	Effect of Molecular Weight and Functionality on Acrylated Poly(caprolactone) for Stereolithography and Biomedical Applications. <i>Biomacromolecules</i> , 2018, 19, 3682-3692.	5.4	51
23	Two-photon polymerized poly(caprolactone) retinal cell delivery scaffolds and their systemic and retinal biocompatibility. <i>Acta Biomaterialia</i> , 2019, 94, 204-218.	8.3	51
24	Anti-VEGF Vascular Endothelial Growth Factor Therapy for Diabetic Retinopathy: Consequences of Inadvertent Treatment Interruptions. <i>American Journal of Ophthalmology</i> , 2019, 204, 13-18.	3.3	51
25	Allogenic iPSC-derived RPE cell transplants induce immune response in pigs: a pilot study. <i>Scientific Reports</i> , 2015, 5, 11791.	3.3	48
26	Choriocapillaris Degeneration in Geographic Atrophy. <i>American Journal of Pathology</i> , 2019, 189, 1473-1480.	3.8	48
27	Angiofibrotic Response to Vascular Endothelial Growth Factor Inhibition in Diabetic Retinal Detachment. <i>JAMA Ophthalmology</i> , 2012, 130, 1127.	2.4	47
28	Molecular response of chorioretinal endothelial cells to complement injury: implications for macular degeneration. <i>Journal of Pathology</i> , 2016, 238, 446-456.	4.5	47
29	Altered gene expression in dry age-related macular degeneration suggests early loss of choroidal endothelial cells. <i>Molecular Vision</i> , 2013, 19, 2274-97.	1.1	47
30	A combined machine-learning and graph-based framework for the segmentation of retinal surfaces in SD-OCT volumes. <i>Biomedical Optics Express</i> , 2013, 4, 2712.	2.9	46
31	Oral mineralocorticoid antagonists for recalcitrant central serous chorioretinopathy. <i>Clinical Ophthalmology</i> , 2015, 9, 1449.	1.8	46
32	Intravitreal antisense oligonucleotide seprofarsen in Leber congenital amaurosis type 10: a phase 1b/2 trial. <i>Nature Medicine</i> , 2022, 28, 1014-1021.	30.7	46
33	Choroidal Features of Acute Macular Neuroretinopathy via Optical Coherence Tomography Angiography and Correlation With Serial Multimodal Imaging. <i>JAMA Ophthalmology</i> , 2017, 135, 1177.	2.5	45
34	Quantification of External Limiting Membrane Disruption Caused by Diabetic Macular Edema from SD-OCT. <i>Investigative Ophthalmology and Visual Science</i> , 2012, 53, 8042.		42
35	Macular Function Assessed by Microperimetry in Patients with Enhanced S-Cone Syndrome. <i>Investigative Ophthalmology and Visual Science</i> , 2010, 51, 1199-1206.	5.2	40
36	Cell-Matrix Interactions in the Eye: From Cornea to Choroid. <i>Cells</i> , 2021, 10, 687.	4.1	39

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37	OCULAR HYPERTENSION AFTER INTRAVITREAL DEXAMETHASONE (OZURDEX) SUSTAINED-RELEASE IMPLANT. <i>Retina</i> , 2017, 37, 1345-1351.	1.7	37
38	Phenotypic Variability Due to a Novel Glu292Lys Variation in Exon 8 of the BEST1 Gene Causing Best Macular Dystrophy. <i>JAMA Ophthalmology</i> , 2009, 127, 913.	2.4	36
39	COMPARISON OF DRUSEN AND MODIFYING GENES IN AUTOSOMAL DOMINANT RADIAL DRUSEN AND AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2015, 35, 48-57.	1.7	34
40	Retinal Tropism and Transduction of Adeno-Associated Virus Varies by Serotype and Route of Delivery (Intravitreal, Subretinal, or Suprachoroidal) in Rats. <i>Human Gene Therapy</i> , 2020, 31, 1288-1299.	2.7	28
41	Reproducibility of Diabetic Macular Edema Estimates From SD-OCT Is Affected by the Choice of Image Analysis Algorithm. , 2013, 54, 4184.		27
42	Is Age-Related Macular Degeneration a Microvascular Disease?. <i>Advances in Experimental Medicine and Biology</i> , 2014, 801, 283-289.	1.6	25
43	Association of reduced Connexin 43 expression with retinal vascular lesions in human diabetic retinopathy. <i>Experimental Eye Research</i> , 2016, 146, 103-106.	2.6	25
44	Loss of CD34 Expression in Aging Human Choriocapillaris Endothelial Cells. <i>PLoS ONE</i> , 2014, 9, e86538.	2.5	23
45	Long-term outcomes in patients undergoing vitrectomy for retinal detachment due to viral retinitis. <i>Clinical Ophthalmology</i> , 2015, 9, 1307.	1.8	22
46	Responsiveness of Choroidal Neovascular Membranes in Patients With R345W Mutation in Fibulin 3 (Doyme Honeycomb Retinal Dystrophy) to Anti-VEGF Vasculature Endothelial Growth Factor Therapy. <i>JAMA Ophthalmology</i> , 2011, 129, 1626.	2.4	21
47	Optimizing Donor Cellular Dissociation and Subretinal Injection Parameters for Stem Cell-Based Treatments. <i>Stem Cells Translational Medicine</i> , 2019, 8, 797-809.	3.3	21
48	Helper-Dependent Adenovirus Transduces the Human and Rat Retina but Elicits an Inflammatory Reaction When Delivered Subretinally in Rats. <i>Human Gene Therapy</i> , 2019, 30, 1371-1384.	2.7	19
49	PROLIFERATIVE VITREORETINOPATHY MAY BE A RISK FACTOR IN COMBINED MACULAR HOLE RETINAL DETACHMENT CASES. <i>Retina</i> , 2013, 33, 579-585.	1.7	18
50	APOPTOSIS AND ANGIOFIBROSIS IN DIABETIC TRACTIONAL MEMBRANES AFTER VASCULAR ENDOTHELIAL GROWTH FACTOR INHIBITION. <i>Retina</i> , 2019, 39, 265-273.	1.7	18
51	Automated 3D Segmentation of Intraretinal Surfaces in SD-OCT Volumes in Normal and Diabetic Mice. <i>Translational Vision Science and Technology</i> , 2014, 3, 8.	2.2	15
52	Phenotypic Variation in a Family With Pseudodominant Stargardt Disease. <i>JAMA Ophthalmology</i> , 2016, 134, 580.	2.5	15
53	From compliment to insult: genetics of the complement system in physiology and disease in the human retina. <i>Human Molecular Genetics</i> , 2017, 26, R51-R57.	2.9	14
54	POSTERIORLY INSERTED VITREOUS BASE. <i>Retina</i> , 2020, 40, 943-950.	1.7	14

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55	Peripheral Cryoablation for Treatment of Active Pars Planitis: Long-Term Outcomes of a Retrospective Study. <i>American Journal of Ophthalmology</i> , 2016, 162, 35-42.e2.	3.3	13
56	Correlation of Optical Coherence Tomography and Retinal Histology in Normal and Pro23His Retinal Degeneration Pig. <i>Translational Vision Science and Technology</i> , 2018, 7, 18.	2.2	13
57	Structural and Functional Changes After Macular Hole Surgery. <i>International Ophthalmology Clinics</i> , 2014, 54, 17-27.	0.7	12
58	Visualization of Mouse Choroidal and Retinal Vasculature Using Fluorescent Tomato Lectin Perfusion. <i>Translational Vision Science and Technology</i> , 2020, 9, 1.	2.2	12
59	Novel mutation in PANK2 associated with retinal telangiectasis. <i>British Journal of Ophthalmology</i> , 2011, 95, 149-150.	3.9	11
60	Incomplete Vitreomacular Traction Release Using Intravitreal Ocriplasmin. <i>Case Reports in Ophthalmology</i> , 2014, 5, 455-462.	0.7	11
61	CLINICOPATHOLOGICAL CORRELATION IN A PATIENT WITH PREVIOUSLY TREATED BIRDSHOT CHORIORETINOPATHY. <i>Retinal Cases and Brief Reports</i> , 2017, 11, 344-347.	0.6	10
62	Attaining functional levels of visual acuity after vitrectomy for retinal detachment secondary to proliferative diabetic retinopathy. <i>Scientific Reports</i> , 2020, 10, 15637.	3.3	9
63	Biocompatibility of Human Induced Pluripotent Stem Cell-Derived Retinal Progenitor Cell Grafts in Immunocompromised Rats. <i>Cell Transplantation</i> , 2022, 31, 096368972211044.	2.5	9
64	Intravitreal Bevacizumab for Peripapillary Choroidal Neovascular Membranes. <i>JAMA Ophthalmology</i> , 2012, 130, 1073.	2.4	8
65	DECREASED MACULAR THICKNESS IN NONPROLIFERATIVE MACULAR TELANGIECTASIA TYPE 2 WITH ORAL CARBONIC ANHYDRASE INHIBITORS. <i>Retina</i> , 2014, 34, 1400-1406.	1.7	8
66	Diabetic Retinal Neurodegeneration—Should We Redefine Retinopathy From Diabetes?. <i>JAMA Ophthalmology</i> , 2019, 137, 1132.	2.5	8
67	Macular Dystrophies. , 2013, , 852-890.		7
68	Imidazole Compounds for Protecting Choroidal Endothelial Cells from Complement Injury. <i>Scientific Reports</i> , 2018, 8, 13387.	3.3	7
69	Artificial intelligence for diagnosis of inherited retinal disease: an exciting opportunity and one step forward. <i>British Journal of Ophthalmology</i> , 2021, 105, 1187-1189.	3.9	7
70	Fluorescein Angiography Does Not Alter the Initial Clinical Management of Choroidal Neovascularization in Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2018, 2, 659-666.	2.4	6
71	Predominance of hyperopia in autosomal dominant Best vitelliform macular dystrophy. <i>British Journal of Ophthalmology</i> , 2022, 106, 522-527.	3.9	6
72	Genetic Association between MMP9 and Choroidal Neovascularization in Age-Related Macular Degeneration. <i>Ophthalmology Science</i> , 2021, 1, 100002.	2.5	6

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73	Endophthalmitis secondary to globe penetration from hydrogel scleral buckle. International Journal of Ophthalmology, 2014, 7, 585-6.	1.1	6
74	Stargardt disease masquerades. Current Opinion in Ophthalmology, 2021, 32, 214-224.	2.9	5
75	The effect of retinal scaffold modulus on performance during surgical handling. Experimental Eye Research, 2021, 207, 108566.	2.6	5
76	Automated segmentation of choroidal layers from 3-dimensional macular optical coherence tomography scans. Journal of Neuroscience Methods, 2021, 360, 109267.	2.5	5
77	Correlation of features on OCT with visual acuity and Gass lesion type in Best vitelliform macular dystrophy. BMJ Open Ophthalmology, 2021, 6, e000860.	1.6	5
78	Unilateral manifestation of autoimmune retinopathy. Canadian Journal of Ophthalmology, 2014, 49, e85-e87.	0.7	4
79	Sustained and expedited resolution of diabetic papillopathy with combined PRP and bevacizumab. Canadian Journal of Ophthalmology, 2015, 50, e88-e91.	0.7	4
80	Mitochondrial DNA A3243G variant-associated retinopathy: a meta-analysis of the clinical course of visual acuity and correlation with systemic manifestations. Ophthalmic Genetics, 2021, 42, 420-430.	1.2	4
81	Long-Term Outcomes and Risk Factors for Severe Vision Loss in Autosomal Dominant Neovascular Inflammatory Vitreoretinopathy (ADNIV). American Journal of Ophthalmology, 2022, 233, 144-152.	3.3	4
82	Ocular Trauma From Nail Gun Cartridge Wire. JAMA Ophthalmology, 2007, 125, 701.	2.4	3
83	Multiresolution LOGISMOS graph search for automated choroidal layer segmentation of 3D macular OCT scans. , 2020, , .		3
84	Age-Related Macular Degeneration Masquerade: A Review of Pentosan Polysulfate Maculopathy and Implications for Clinical Practice. Asia-Pacific Journal of Ophthalmology, 2022, 11, 100-110.	2.5	3
85	Retinal Oxalosis in End-stage Renal Disease. JAMA Ophthalmology, 2018, 136, e181523.	2.5	2
86	Kinetic Isotope Effects in the Chromium(vi) Oxidation of Bicyclic Alcohols. Journal of Chemical Research Synopses, 1999, , 146-147.	0.3	1
87	Reply. Retina, 2020, 40, e68-e69.	1.7	1
88	Intrafamilial Variability of Ocular Manifestations of von Hippel-Lindau Disease. Ophthalmology Retina, 2021, 6, 89-89.	2.4	1
89	Evolution of Septated Cavitory Subretinal Fluid After Treatment of Choroidal Metastasis. Ophthalmic Surgery Lasers and Imaging Retina, 2015, 46, 482-484.	0.7	1
90	ELIMINATION OF INFUSION BUBBLES AND UNCONTROLLED REFLUX IN THE ALCON CONSTELLATION VITRECTOMY VISION SYSTEM. Retina, 2013, 33, 803-806.	1.7	0

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91	Diagnostic and Therapeutic Challenges. Retina, 2021, 41, 2412-2415.	1.7	0
92	Human Retinal Engineering using 3D PCL Scaffolds. FASEB Journal, 2018, 32, 816.12.	0.5	0
93	Intravitreal Sepofarsen for Leber Congenital Amaurosis Type 10 (LCA10). SSRN Electronic Journal, 0, , .	0.4	0