

# Mandeep S Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,568  
citations

279487

23  
h-index

214527

47  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subretinal Visual Implant Alpha IMS – Clinical trial interim report. Vision Research, 2015, 111, 149-160.	0.7	324
2	Reversal of end-stage retinal degeneration and restoration of visual function by photoreceptor transplantation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1101-1106.	3.3	229
3	Transplanted photoreceptor precursors transfer proteins to host photoreceptors by a mechanism of cytoplasmic fusion. Nature Communications, 2016, 7, 13537.	5.8	180
4	Emerging therapies for inherited retinal degeneration. Science Translational Medicine, 2016, 8, 368rv6.	5.8	179
5	Imaging of Trabeculectomy Blebs Using Anterior Segment Optical Coherence Tomography. Ophthalmology, 2007, 114, 47-53.	2.5	174
6	Retinal stem cell transplantation: Balancing safety and potential. Progress in Retinal and Eye Research, 2020, 75, 100779.	7.3	137
7	Function of human pluripotent stem cell-derived photoreceptor progenitors in blind mice. Scientific Reports, 2016, 6, 29784.	1.6	128
8	Fundus Autofluorescence in the <i>Abca4</i> Mouse Model of Stargardt Disease – Correlation With Accumulation of A2E, Retinal Function, and Histology. , 2013, 54, 5602.		95
9	An AAV Dual Vector Strategy Ameliorates the Stargardt Phenotype in Adult <i>Abca4</i> Mice. Human Gene Therapy, 2019, 30, 590-600.	1.4	72
10	CNTF Gene Therapy Confers Lifelong Neuroprotection in a Mouse Model of Human Retinitis Pigmentosa. Molecular Therapy, 2015, 23, 1308-1319.	3.7	66
11	Long-term restoration of visual function in end-stage retinal degeneration using subretinal human melanopsin gene therapy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11211-11216.	3.3	62
12	Oral N-acetylcysteine improves cone function in retinitis pigmentosa patients in phase I trial. Journal of Clinical Investigation, 2020, 130, 1527-1541.	3.9	62
13	Optimization of In Vivo Confocal Autofluorescence Imaging of the Ocular Fundus in Mice and Its Application to Models of Human Retinal Degeneration. , 2012, 53, 1066.		56
14	Tropism of engineered and evolved recombinant AAV serotypes in the rd1 mouse and ex vivo primate retina. Gene Therapy, 2017, 24, 787-800.	2.3	55
15	Stem cells as a therapeutic tool for the blind: biology and future prospects. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 3009-3016.	1.2	49
16	Evaluation of an Optimized Injection System for Retinal Gene Therapy in Human Patients. Human Gene Therapy Methods, 2016, 27, 150-158.	2.1	49
17	Corneal Patch Graft Repair of Exposed Glaucoma Drainage Implants. Cornea, 2008, 27, 1171-1173.	0.9	44
18	Anterior Segment Optical Coherence Tomography Imaging of Trabeculectomy Blebs Before and After Laser Suture Lysis. American Journal of Ophthalmology, 2007, 143, 873-875.	1.7	40

#	ARTICLE	IF	CITATIONS
19	Assessment of Tropism and Effectiveness of New Primate-Derived Hybrid Recombinant AAV Serotypes in the Mouse and Primate Retina. <i>PLoS ONE</i> , 2013, 8, e60361.	1.1	38
20	Changes in retinal nerve fibre layer, optic nerve head morphology, and visual field after acute primary angle closure. <i>Eye</i> , 2011, 25, 619-625.	1.1	32
21	Bioengineering strategies for restoring vision. <i>Nature Biomedical Engineering</i> , 2023, 7, 387-404.	11.6	30
22	Utility of Bleb Imaging With Anterior Segment Optical Coherence Tomography in Clinical Decision-making After Trabeculectomy. <i>Journal of Glaucoma</i> , 2009, 18, 492-495.	0.8	28
23	High-definition imaging of trabeculectomy blebs using spectral domain optical coherence tomography adapted for the anterior segment. <i>Clinical and Experimental Ophthalmology</i> , 2009, 37, 345-351.	1.3	27
24	Assessment of Cone Survival in Response to CNTF, GDNF, and VEGF in a Novel Ex Vivo Model of End-Stage Retinitis Pigmentosa. , 2011, 52, 7340.		26
25	Single residue AAV capsid mutation improves transduction of photoreceptors in the <i>Abca4</i> mouse and bipolar cells in the rd1 mouse and human retina ex vivo. <i>Gene Therapy</i> , 2016, 23, 767-774.	2.3	26
26	Sight-threatening orbital emphysema treated with needle decompression. <i>Clinical and Experimental Ophthalmology</i> , 2007, 35, 386-387.	1.3	25
27	Loss of Peak Vision in Retinal Vein Occlusion Patients Treated for Macular Edema. <i>American Journal of Ophthalmology</i> , 2019, 205, 17-26.	1.7	23
28	Quantitative Assessment of Changes in Trabeculectomy Blebs After Laser Suture Lysis Using Anterior Segment Coherence Tomography. <i>Journal of Glaucoma</i> , 2012, 21, 313-317.	0.8	22
29	Vesicular Stomatitis Virus Glycoprotein and Venezuelan Equine Encephalitis Virus-Derived Glycoprotein Pseudotyped Lentivirus Vectors Differentially Transduce Corneal Endothelium, Trabecular Meshwork, and Human Photoreceptors. <i>Human Gene Therapy</i> , 2014, 25, 50-62.	1.4	22
30	Optical Coherence Tomography Angiography Imaging in Inherited Retinal Diseases. <i>Journal of Clinical Medicine</i> , 2019, 8, 2078.	1.0	21
31	Choroidal Neovascularization Associated with Pentosan Polysulfate Toxicity. <i>Ophthalmology Retina</i> , 2020, 4, 111-113.	1.2	20
32	Stem Cell Treatment for Age-Related Macular Degeneration: the Challenges. , 2018, 59, AMD78.		19
33	Repair of Retinal Degeneration following Ex Vivo Minicircle DNA Gene Therapy and Transplantation of Corrected Photoreceptor Progenitors. <i>Molecular Therapy</i> , 2020, 28, 830-844.	3.7	18
34	Inner retinal vasculopathy in Zika virus disease. <i>American Journal of Ophthalmology Case Reports</i> , 2018, 10, 6-7.	0.4	16
35	Reproducibility of Measurements of Retinal Structural Parameters Using Optical Coherence Tomography in Stargardt Disease. <i>Translational Vision Science and Technology</i> , 2019, 8, 46.	1.1	14
36	Ixodes tick infestation of the eyelid of a child. <i>Canadian Journal of Ophthalmology</i> , 2006, 41, 783-784.	0.4	13

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37	Characterization of a Dominant Cone Degeneration in a Green Fluorescent Proteinâ€“Reporter Mouse with Disruption of Loci Associated with Human Dominant Retinal Dystrophy. , 2011, 52, 6617.		13
38	Hypotrichosis and juvenile macular dystrophy caused by CDH3 mutation: A candidate disease for retinal gene therapy. Scientific Reports, 2016, 6, 23674.	1.6	13
39	Pluripotent stem cell therapy for retinal diseases. Annals of Translational Medicine, 2021, 9, 1279-1279.	0.7	12
40	Sleeping posture and intraocular pressure. Singapore Medical Journal, 2013, 54, 146-148.	0.3	12
41	Visual Acuity Outcomes with SA60D3, SN60D3, and ZM900 Multifocal IOL Implantation After Phacoemulsification. Journal of Refractive Surgery, 2010, 26, 177-182.	1.1	12
42	Cone Photoreceptor Neuroprotection Conferred by CNTF in a Novel In Vivo Model of Battlefield Retinal Laser Injury. , 2013, 54, 5456.		9
43	Characteristics and vitreoretinal management of retinal detachment in eyes with Boston keratoprosthesis. British Journal of Ophthalmology, 2017, 101, 629-633.	2.1	9
44	PARS PLANA VITRECTOMY AND LENSECTOMY FOR ECTOPIA LENTIS WITH AND WITHOUT THE INDUCTION OF A POSTERIOR VITREOUS DETACHMENT. Retina, 2018, 38, 325-330.	1.0	7
45	Quantifiable In Vivo Imaging Biomarkers of Retinal Regeneration by Photoreceptor Cell Transplantation. Translational Vision Science and Technology, 2020, 9, 5.	1.1	7
46	Artificial intelligence for diagnosis of inherited retinal disease: an exciting opportunity and one step forward. British Journal of Ophthalmology, 2021, 105, 1187-1189.	2.1	7
47	Spectral Domain Optical Coherence Tomography Imaging of Retinal Diseases in Singapore. Ophthalmic Surgery Lasers and Imaging Retina, 2009, 40, 336-341.	0.4	7
48	Risk of Cystoid Macular Edema after Cataract Surgery in Retinitis Pigmentosa. Ophthalmology Retina, 2022, 6, 906-913.	1.2	7
49	MULTIMODAL IMAGING IN DIDANOSINE RETINOPATHY. Retinal Cases and Brief Reports, 2021, 15, 234-238.	0.3	5
50	Barotraumatic ocular haemorrhage sustained while scuba diving. Clinical and Experimental Ophthalmology, 2008, 36, 581-582.	1.3	4
51	The Direct Healthcare Cost of Stargardt Disease: A Claims-Based Analysis. Ophthalmic Epidemiology, 2021, 28, 533-539.	0.8	4
52	Localized Structural and Functional Deficits in a Nonhuman Primate Model of Outer Retinal Atrophy. , 2021, 62, 8.		4
53	Bleb Morphology Assessment and Imaging. Journal of Current Glaucoma Practice, 2008, , 50-55.	0.1	3
54	Optical coherence tomography angiography of astrocytic hamartoma demonstrates intrinsic vascularity. American Journal of Ophthalmology Case Reports, 2020, 20, 100924.	0.4	2

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55	Choriocapillaris flow loss in center-involving retinitis pigmentosa: a quantitative optical coherence tomography angiography study using a novel classification system. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 3235-3242.	1.0	2
56	Characterization and allogeneic transplantation of a novel transgenic cone-rich donor mouse line. Experimental Eye Research, 2021, 210, 108715.	1.2	2
57	Clinical Trials of Retinal Cell Therapy. Pancreatic Islet Biology, 2019, , 245-265.	0.1	2
58	Spatial Characteristics of Peripheral Visual Islands in Retinitis Pigmentosa. , 2022, 63, 26.		2
59	Proof of Principle: Preclinical Data on Retinal Cell Transplantation. Pancreatic Islet Biology, 2019, , 11-28.	0.1	1
60	Assessment of 180° Rotation of the Choroid as a Novel Surgical Treatment for Age-Related Macular Degeneration. , 2012, 53, 2523.		0