Mandeep S Singh

List of Publications by Year
in descending order

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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	Bioengineering strategies for restoring vision. Nature Biomedical Engineering, 2023, 7, 387-404.	11.6	30
2	Spatial Characteristics of Peripheral Visual Islands in Retinitis Pigmentosa. , 2022, 63, 26.		2
3	Risk of Cystoid Macular Edema after Cataract Surgery in Retinitis Pigmentosa. Ophthalmology Retina, 2022, 6, 906-913.	1.2	7
4	MULTIMODAL IMAGING IN DIDANOSINE RETINOPATHY. Retinal Cases and Brief Reports, 2021, 15, 234-238.	0.3	5
5	The Direct Healthcare Cost of Stargardt Disease: A Claims-Based Analysis. Ophthalmic Epidemiology, 2021, 28, 533-539.	0.8	4
6	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
7	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
8	Pluripotent stem cell therapy for retinal diseases. Annals of Translational Medicine, 2021, 9, 1279-1279.	0.7	12
9	Characterization and allogeneic transplantation of a novel transgenic cone-rich donor mouse line. Experimental Eye Research, 2021, 210, 108715.	1.2	2
10	Localized Structural and Functional Deficits in a Nonhuman Primate Model of Outer Retinal Atrophy. , 2021, 62, 8.		4
11	Choroidal Neovascularization Associated with Pentosan Polysulfate Toxicity. Ophthalmology Retina, 2020, 4, 111-113.	1.2	20
12	Retinal stem cell transplantation: Balancing safety and potential. Progress in Retinal and Eye Research, 2020, 75, 100779.	7.3	137
13	Quantifiable In Vivo Imaging Biomarkers of Retinal Regeneration by Photoreceptor Cell Transplantation. Translational Vision Science and Technology, 2020, 9, 5.	1.1	7
14	Optical coherence tomography angiography of astrocytic hamartoma demonstrates intrinsic vascularity. American Journal of Ophthalmology Case Reports, 2020, 20, 100924.	0.4	2
15	Repair of Retinal Degeneration following ExÂVivo Minicircle DNA Gene Therapy and Transplantation of Corrected Photoreceptor Progenitors. Molecular Therapy, 2020, 28, 830-844.	3.7	18
16	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
17	Reproducibility of Measurements of Retinal Structural Parameters Using Optical Coherence Tomography in Stargardt Disease. Translational Vision Science and Technology, 2019, 8, 46.	1.1	14
18	Proof of Principle: Preclinical Data on Retinal Cell Transplantation. Pancreatic Islet Biology, 2019, , 11-28.	0.1	1

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19	Loss of Peak Vision in Retinal Vein Occlusion Patients Treated for Macular Edema. American Journal of Ophthalmology, 2019, 205, 17-26.	1.7	23
20	Optical Coherence Tomography Angiography Imaging in Inherited Retinal Diseases. Journal of Clinical Medicine, 2019, 8, 2078.	1.0	21
21	An AAV Dual Vector Strategy Ameliorates the Stargardt Phenotype in AdultAbca4^{â^'/â^'}Mice. Human Gene Therapy, 2019, 30, 590-600.	1.4	72
22	Clinical Trials of Retinal Cell Therapy. Pancreatic Islet Biology, 2019, , 245-265.	0.1	2
23	Inner retinal vasculopathy in Zika virus disease. American Journal of Ophthalmology Case Reports, 2018, 10, 6-7.	0.4	16
24	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
25	Stem Cell Treatment for Age-Related Macular Degeneration: the Challenges. , 2018, 59, AMD78.		19
26	Characteristics and vitreoretinal management of retinal detachment in eyes with Boston keratoprosthesis. British Journal of Ophthalmology, 2017, 101, 629-633.	2.1	9
27	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
28	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
29	Transplanted photoreceptor precursors transfer proteins to host photoreceptors by a mechanism of cytoplasmic fusion. Nature Communications, 2016, 7, 13537.	5.8	180
30	Hypotrichosis and juvenile macular dystrophy caused by CDH3 mutation: A candidate disease for retinal gene therapy. Scientific Reports, 2016, 6, 23674.	1.6	13
31	Emerging therapies for inherited retinal degeneration. Science Translational Medicine, 2016, 8, 368rv6.	5.8	179
32	Single residue AAV capsid mutation improves transduction of photoreceptors in the Abca4â^'/â^' mouse and bipolar cells in the rd1 mouse and human retina ex vivo. Gene Therapy, 2016, 23, 767-774.	2.3	26
33	Evaluation of an Optimized Injection System for Retinal Gene Therapy in Human Patients. Human Gene Therapy Methods, 2016, 27, 150-158.	2.1	49
34	Function of human pluripotent stem cell-derived photoreceptor progenitors in blind mice. Scientific Reports, 2016, 6, 29784.	1.6	128
35	CNTF Gene Therapy Confers Lifelong Neuroprotection in a Mouse Model of Human Retinitis Pigmentosa. Molecular Therapy, 2015, 23, 1308-1319.	3.7	66
36	Subretinal Visual Implant Alpha IMS â€“ Clinical trial interim report. Vision Research, 2015, 111, 149-160.	0.7	324

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37	Vesicular Stomatitis Virus Glycoproteinâ€“ and Venezuelan Equine Encephalitis Virus-Derived Glycoproteinâ€“Pseudotyped Lentivirus Vectors Differentially Transduce Corneal Endothelium, Trabecular Meshwork, and Human Photoreceptors. Human Gene Therapy, 2014, 25, 50-62.	1.4	22
38	Cone Photoreceptor Neuroprotection Conferred by CNTF in a Novel In Vivo Model of Battlefield Retinal Laser Injury. , 2013, 54, 5456.		9
39	Fundus Autofluorescence in theAbca4^{â^'/â^'}Mouse Model of Stargardt Diseaseâ€"Correlation With Accumulation of A2E, Retinal Function, and Histology. , 2013, 54, 5602.		95
40	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
41	Assessment of Tropism and Effectiveness of New Primate-Derived Hybrid Recombinant AAV Serotypes in the Mouse and Primate Retina. PLoS ONE, 2013, 8, e60361.	1.1	38
42	Sleeping posture and intraocular pressure. Singapore Medical Journal, 2013, 54, 146-148.	0.3	12
43	Assessment of 180Â° Rotation of the Choroid as a Novel Surgical Treatment for Age-Related Macular Degeneration. , 2012, 53, 2523.		0
44	Quantitative Assessment of Changes in Trabeculectomy Blebs After Laser Suture Lysis Using Anterior Segment Coherence Tomography. Journal of Glaucoma, 2012, 21, 313-317.	0.8	22
45	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
46	Assessment of Cone Survival in Response to CNTF, GDNF, and VEGF_{165b}in a Novel Ex Vivo Model of End-Stage Retinitis Pigmentosa. , 2011, 52, 7340.		26
47	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
48	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
49	Changes in retinal nerve fibre layer, optic nerve head morphology, and visual field after acute primary angle closure. Eye, 2011, 25, 619-625.	1.1	32
50	Visual Acuity Outcomes with SA60D3, SN60D3, and ZM900 Multifocal IOL Implantation After Phacoemulsification. Journal of Refractive Surgery, 2010, 26, 177-182.	1.1	12
51	Highâ€definition imaging of trabeculectomy blebs using spectral domain optical coherence tomography adapted for the anterior segment. Clinical and Experimental Ophthalmology, 2009, 37, 345-351.	1.3	27
52	Utility of Bleb Imaging With Anterior Segment Optical Coherence Tomography in Clinical Decision-making After Trabeculectomy. Journal of Glaucoma, 2009, 18, 492-495.	0.8	28
53	Spectral Domain Optical Coherence Tomography Imaging of Retinal Diseases in Singapore. Ophthalmic Surgery Lasers and Imaging Retina, 2009, 40, 336-341.	0.4	7
54	Barotraumatic ocular haemorrhage sustained while scuba diving. Clinical and Experimental Ophthalmology, 2008, 36, 581-582.	1.3	4

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55	Corneal Patch Graft Repair of Exposed Glaucoma Drainage Implants. Cornea, 2008, 27, 1171-1173.	0.9	44
56	Bleb Morphology Assessment and Imaging. Journal of Current Glaucoma Practice, 2008, , 50-55.	0.1	3
57	Imaging of Trabeculectomy Blebs Using Anterior Segment Optical Coherence Tomography. Ophthalmology, 2007, 114, 47-53.	2.5	174
58	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
59	Sight-threatening orbital emphysema treated with needle decompression. Clinical and Experimental Ophthalmology, 2007, 35, 386-387.	1.3	25
60	Ixodes tick infestation of the eyelid of a child. Canadian Journal of Ophthalmology, 2006, 41, 783-784.	0.4	13