

Xinyi Su

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

4,287
citations

471509

17
h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

6005
citing authors

#	ARTICLE	IF	CITATIONS
1	Global prevalence of age-related macular degeneration and disease burden projection for 2020 and 2040: a systematic review and meta-analysis. <i>The Lancet Global Health</i> , 2014, 2, e106-e116.	6.3	3,277
2	Recent Progress in Using Biomaterials as Vitreous Substitutes. <i>Biomacromolecules</i> , 2015, 16, 3093-3102.	5.4	98
3	Revisiting the dangers of the coronavirus in the ophthalmology practice. <i>Eye</i> , 2020, 34, 1155-1157.	2.1	97
4	The Carboxyl Terminus of Brca2 Links the Disassembly of Rad51 Complexes to Mitotic Entry. <i>Current Biology</i> , 2009, 19, 1075-1085.	3.9	85
5	Retinal-detachment repair and vitreous-like-body reformation via a thermogelling polymer endotamponade. <i>Nature Biomedical Engineering</i> , 2019, 3, 598-610.	22.5	84
6	Use of biomaterials for sustained delivery of anti-VEGF to treat retinal diseases. <i>Eye</i> , 2020, 34, 1341-1356.	2.1	62
7	Sustained delivery of anti-VEGFs from thermogel depots inhibits angiogenesis without the need for multiple injections. <i>Biomaterials Science</i> , 2019, 7, 4603-4614.	5.4	56
8	Electrospun Pectin-Polyhydroxybutyrate Nanofibers for Retinal Tissue Engineering. <i>ACS Omega</i> , 2017, 2, 8959-8968.	3.5	54
9	Polymeric hydrogels as a vitreous replacement strategy in the eye. <i>Biomaterials</i> , 2021, 268, 120547.	11.4	51
10	Multi-species single-cell transcriptomic analysis of ocular compartment regulons. <i>Nature Communications</i> , 2021, 12, 5675.	12.8	48
11	A new highly transparent injectable PHA-based thermogelling vitreous substitute. <i>Biomaterials Science</i> , 2020, 8, 926-936.	5.4	47
12	Cell-cycle coordination between DNA replication and recombination revealed by a vertebrate N-end rule degron-Rad51. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 1049-1058.	8.2	45
13	Meta-analysis of genome-wide association studies in multiethnic Asians identifies two loci for age-related nuclear cataract. <i>Human Molecular Genetics</i> , 2014, 23, 6119-6128.	2.9	35
14	Antiangiogenic Nanomicelles for the Topical Delivery of Aflibercept to Treat Retinal Neovascular Disease. <i>Advanced Materials</i> , 2022, 34, e2108360.	21.0	32
15	Surgical Transplantation of Human RPE Stem Cell-Derived RPE Monolayers into Non-Human Primates with Immunosuppression. <i>Stem Cell Reports</i> , 2021, 16, 237-251.	4.8	30
16	PCL-Based Thermogelling Polymer: Molecular Weight Effects on Its Suitability as Vitreous Tamponade. <i>ACS Applied Bio Materials</i> , 2020, 3, 9043-9053.	4.6	27
17	High molecular weight hyper-branched PCL-based thermogelling vitreous endotamponades. <i>Biomaterials</i> , 2022, 280, 121262.	11.4	19
18	cGMP-grade human iPSC-derived retinal photoreceptor precursor cells rescue cone photoreceptor damage in non-human primates. <i>Stem Cell Research and Therapy</i> , 2021, 12, 464.	5.5	18

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19	A bio-functional polymer that prevents retinal scarring through modulation of NRF2 signalling pathway. <i>Nature Communications</i> , 2022, 13, 2796.	12.8	16
20	Characterization of Fatty Acid Binding Protein 7 (FABP7) in the Murine Retina. , 2016, 57, 3397.		14
21	Systemic Factors Associated with Treatment Response in Diabetic Macular Edema. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-6.	1.3	14
22	Gene-Based Therapeutics for Acquired Retinal Disease: Opportunities and Progress. <i>Frontiers in Genetics</i> , 2021, 12, 795010.	2.3	13
23	Highlights from the 2019 International Myopia Summit on "controversies in myopia". <i>British Journal of Ophthalmology</i> , 2021, 105, 1196-1202.	3.9	11
24	Submacular integration of hESC-RPE monolayer xenografts in a surgical non-human primate model. <i>Stem Cell Research and Therapy</i> , 2021, 12, 423.	5.5	11
25	Ethnic variations of a retinoblastoma susceptibility gene (RB1) polymorphism in eight Asian populations. <i>Journal of Genetics</i> , 2003, 82, 33-37.	0.7	10
26	A Pilot Study on MicroRNA Profile in Tear Fluid to Predict Response to Anti-VEGF Treatments for Diabetic Macular Edema. <i>Journal of Clinical Medicine</i> , 2020, 9, 2920.	2.4	10
27	Common variants in SOX-2 and congenital cataract genes contribute to age-related nuclear cataract. <i>Communications Biology</i> , 2020, 3, 755.	4.4	10
28	A topical gel for extended ocular drug release. <i>Nature Biomedical Engineering</i> , 2020, 4, 1024-1025.	22.5	6
29	Retinal Pigment Epithelium Transplantation in a Non-human Primate Model for Degenerative Retinal Diseases. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	2
30	Developing Non-Human Primate Models of Inherited Retinal Diseases. <i>Genes</i> , 2022, 13, 344.	2.4	2
31	Versatile and Extendable Boronate-Based Tunable Hydrogel Networks for Patterning Applications. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5091-5102.	4.4	2
32	Response to "Comment on: "Use of biomaterials for sustained delivery of anti-VEGF to treat retinal diseases". <i>Eye</i> , 2021, 35, 1026-1027.	2.1	0
33	Inhibiting the executioner may prevent vision loss. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	0
34	Adult-Human Retinal Pigment Epithelial Cell Transplantation Supports Retinal Function in Non-Human Primate Models. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
35	"You are what you eat". <i>Science Translational Medicine</i> , 2020, 12, .	12.4	0
36	Revisiting the Alcohol Consumption Association With Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2021, , .	2.5	0