

Kang Zhang

List of Publications by Year in Descending Order

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Version: 2024-04-09

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

280 papers	30,773 citations	81 h-index	172 g-index
299 ext. papers	37,423 ext. citations	13.3 avg, IF	6.8 L-index

#	Paper	IF	Citations
280	Integrated single-cell RNA sequencing analysis reveals distinct cellular and transcriptional modules associated with survival in lung cancer.. <i>Signal Transduction and Targeted Therapy</i> , 2022 , 7, 9	21	3
279	Comprehensive 3D epigenomic maps define limbal stem/progenitor cell function and identity.. <i>Nature Communications</i> , 2022 , 13, 1293	17.4	1
278	Visual function restoration with a highly sensitive and fast Channelrhodopsin in blind mice.. <i>Signal Transduction and Targeted Therapy</i> , 2022 , 7, 104	21	
277	Homologous or heterogenous vaccination boosters enhance neutralizing activities against SARS-CoV-2 Omicron BA.1 variant.. <i>MedComm</i> , 2022 , 3, e143	2.2	0
276	Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration: A Mendelian Randomization Study. <i>JAMA Ophthalmology</i> , 2021 ,	3.9	2
275	Defect of LSS Disrupts Lens Development in Cataractogenesis.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 788422	5.7	1
274	Significant reduction of humoral response to SARS-CoV-2 4 months after the diagnosis of COVID-19. <i>Precision Clinical Medicine</i> , 2021 , 4, 73-76	6.7	3
273	COVID-19 in early 2021: current status and looking forward. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 114	21	74
272	A deep-learning pipeline for the diagnosis and discrimination of viral, non-viral and COVID-19 pneumonia from chest X-ray images. <i>Nature Biomedical Engineering</i> , 2021 , 5, 509-521	19	25
271	Aberrant TGF- β signaling activation by MAF underlies pathological lens growth in high myopia. <i>Nature Communications</i> , 2021 , 12, 2102	17.4	5
270	EyeHealer: A large-scale anterior eye segment dataset with eye structure and lesion annotations. <i>Precision Clinical Medicine</i> , 2021 , 4, 85-92	6.7	1
269	Deep-learning models for the detection and incidence prediction of chronic kidney disease and type 2 diabetes from retinal fundus images. <i>Nature Biomedical Engineering</i> , 2021 , 5, 533-545	19	16
268	Assessment of infectivity and the impact on neutralizing activity of immune sera of the COVID-19 variant, CAL.20C. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 285	21	5
267	The SARS-CoV-2 spike L452R-E484Q variant in the Indian B.1.617 strain showed significant reduction in the neutralization activity of immune sera. <i>Precision Clinical Medicine</i> , 2021 , 4, 149-154	6.7	1
266	Macrophage membrane functionalized biomimetic nanoparticles for targeted anti-atherosclerosis applications. <i>Theranostics</i> , 2021 , 11, 164-180	12.1	58
265	Rapid bioprinting of conjunctival stem cell micro-constructs for subconjunctival ocular injection. <i>Biomaterials</i> , 2021 , 267, 120462	15.6	8
264	Core transcription regulatory circuitry orchestrates corneal epithelial homeostasis. <i>Nature Communications</i> , 2021 , 12, 420	17.4	6

263	Circulating tumour DNA methylation in hepatocellular carcinoma diagnosis using digital droplet PCR. <i>Journal of International Medical Research</i> , 2021 , 49, 300060521992962	1.4	1
262	CRISPR/Cas9 mediated somatic gene therapy for insertional mutations: the vibrator mouse model. <i>Precision Clinical Medicine</i> , 2021 , 4, 168-175	6.7	0
261	Clinically Applicable AI System for Accurate Diagnosis, Quantitative Measurements, and Prognosis of COVID-19 Pneumonia Using Computed Tomography. <i>Cell</i> , 2020 , 181, 1423-1433.e11	56.2	314
260	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. <i>Nature Medicine</i> , 2020 , 26, 1193-1195	50.5	258
259	Characteristics of pediatric SARS-CoV-2 infection and potential evidence for persistent fecal viral shedding. <i>Nature Medicine</i> , 2020 , 26, 502-505	50.5	952
258	Refining Cancer Management Using Integrated Liquid Biopsy. <i>Theranostics</i> , 2020 , 10, 2374-2384	12.1	21
257	The lipid elongation enzyme ELOVL2 is a molecular regulator of aging in the retina. <i>Aging Cell</i> , 2020 , 19, e13100	9.9	26
256	DNA methylation markers in the diagnosis and prognosis of common leukemias. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 3	21	11
255	Impaired lipid metabolism by age-dependent DNA methylation alterations accelerates aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4328-4336	11.5	17
254	KISEG: A Three-Stage Segmentation Framework for Multi-level Acceleration of Chest CT Scans from COVID-19 Patients. <i>Lecture Notes in Computer Science</i> , 2020 , 25-34	0.9	2
253	Anterior Segment Eye Lesion Segmentation with Advanced Fusion Strategies and Auxiliary Tasks. <i>Lecture Notes in Computer Science</i> , 2020 , 656-664	0.9	2
252	Circulating tumor DNA methylation profiles enable early diagnosis, prognosis prediction, and screening for colorectal cancer. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	119
251	Personnel protection strategy for healthcare workers in Wuhan during the COVID-19 epidemic. <i>Precision Clinical Medicine</i> , 2020 , 3, 169-174	6.7	4
250	Estimated prevalence and viral transmissibility in subjects with asymptomatic SARS-CoV-2 infections in Wuhan, China. <i>Precision Clinical Medicine</i> , 2020 , 3, 301-305	6.7	5
249	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. <i>Nature</i> , 2020 , 586, 572-577	50.4	348
248	A four-compartment model for the COVID-19 infectionImplications on infection kinetics, control measures, and lockdown exit strategies. <i>Precision Clinical Medicine</i> , 2020 , 3, 104-112	6.7	18
247	SARS-CoV-2 reinfection in two patients who have recovered from COVID-19. <i>Precision Clinical Medicine</i> , 2020 , 3, 292-293	6.7	18
246	Three-dimensional facial-image analysis to predict heterogeneity of the human ageing rate and the impact of lifestyle. <i>Nature Metabolism</i> , 2020 , 2, 946-957	14.6	7

245	Biomimetic Nanotherapies: Red Blood Cell Based Core-Shell Structured Nanocomplexes for Atherosclerosis Management. <i>Advanced Science</i> , 2019 , 6, 1900172	13.6	96
244	Big DNA as a tool to dissect an age-related macular degeneration-associated haplotype. <i>Precision Clinical Medicine</i> , 2019 , 2, 1-7	6.7	3
243	Genome-wide colocalization of RNA-DNA interactions and fusion RNA pairs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3328-3337	11.5	25
242	Evaluation and accurate diagnoses of pediatric diseases using artificial intelligence. <i>Nature Medicine</i> , 2019 , 25, 433-438	50.5	206
241	A model for the aberrant DNA methylomes in aging cells and cancer cells. <i>Biochemical Society Transactions</i> , 2019 , 47, 997-1003	5.1	4
240	Nestin regulates cellular redox homeostasis in lung cancer through the Keap1-Nrf2 feedback loop. <i>Nature Communications</i> , 2019 , 10, 5043	17.4	29
239	Current status and future trends of clinical diagnoses via image-based deep learning. <i>Theranostics</i> , 2019 , 9, 7556-7565	12.1	33
238	Epigenetic biomarkers for noninvasive detection of colorectal cancer.. <i>Journal of Clinical Oncology</i> , 2019 , 37, 45-45	2.2	
237	Cell-free DNA methylation markers for noninvasive early detection of nasopharyngeal carcinoma.. <i>Journal of Clinical Oncology</i> , 2019 , 37, e14537-e14537	2.2	
236	DNA methylation aging clocks: challenges and recommendations. <i>Genome Biology</i> , 2019 , 20, 249	18.3	248
235	The practical implementation of artificial intelligence technologies in medicine. <i>Nature Medicine</i> , 2019 , 25, 30-36	50.5	477
234	Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning. <i>Cell</i> , 2018 , 172, 1122-1131.e9	56.2	1563
233	SRPKIN-1: A Covalent SRPK1/2 Inhibitor that Potently Converts VEGF from Pro-angiogenic to Anti-angiogenic Isoform. <i>Cell Chemical Biology</i> , 2018 , 25, 460-470.e6	8.2	58
232	Liu et al. reply. <i>Nature</i> , 2018 , 556, E3-E4	50.4	10
231	Cellular Reprogramming in the Retina - Seeing the Light. <i>New England Journal of Medicine</i> , 2018 , 378, 1059-1060	59.2	3
230	Tissue repair and regeneration with endogenous stem cells. <i>Nature Reviews Materials</i> , 2018 , 3, 174-193	73.3	101
229	Intermedin Enlarges the Vascular Lumen by Inducing the Quiescent Endothelial Cell Proliferation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 398-413	9.4	17
228	3D bioprinting of hydrogels for retina cell culturing. <i>Bioprinting</i> , 2018 , 11, e00029-e00029	7	22

227	Regenerating Eye Tissues to Preserve and Restore Vision. <i>Cell Stem Cell</i> , 2018 , 22, 834-849	18	81
226	In Situ Gene Therapy via AAV-CRISPR-Cas9-Mediated Targeted Gene Regulation. <i>Molecular Therapy</i> , 2018 , 26, 1818-1827	11.7	73
225	Clinical applications of retinal gene therapies. <i>Precision Clinical Medicine</i> , 2018 , 1, 5-20	6.7	9
224	Direct 3D bioprinting of prevascularized tissue constructs with complex microarchitecture. <i>Biomaterials</i> , 2017 , 124, 106-115	15.6	313
223	YAP-IL-6ST autoregulatory loop activated on APC loss controls colonic tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1643-1648	11.5	61
222	Identification of methylation haplotype blocks aids in deconvolution of heterogeneous tissue samples and tumor tissue-of-origin mapping from plasma DNA. <i>Nature Genetics</i> , 2017 , 49, 635-642	36.3	237
221	Gene and mutation independent therapy via CRISPR-Cas9 mediated cellular reprogramming in rod photoreceptors. <i>Cell Research</i> , 2017 , 27, 830-833	24.7	45
220	Statins Attenuate Activation of the NLRP3 Inflammasome by Oxidized LDL or TNF in Vascular Endothelial Cells through a PXR-Dependent Mechanism. <i>Molecular Pharmacology</i> , 2017 , 92, 256-264	4.3	48
219	SMARCD1 Contributes to the Regulation of Naive Pluripotency by Interacting with Histone Citrullination. <i>Cell Reports</i> , 2017 , 18, 3117-3128	10.6	26
218	Future Science Prize goes to non-invasive prenatal testing. <i>Science China Life Sciences</i> , 2017 , 60, 429-431	8.5	
217	Circulating tumour DNA methylation markers for diagnosis and prognosis of hepatocellular carcinoma. <i>Nature Materials</i> , 2017 , 16, 1155-1161	27	387
216	DNA Methylomes Reveal Biological Networks Involved in Human Eye Development, Functions and Associated Disorders. <i>Scientific Reports</i> , 2017 , 7, 11762	4.9	22
215	DNA methylation markers for diagnosis and prognosis of common cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7414-7419	11.5	231
214	X-Linked Idiopathic Infantile Nystagmus (XLIIN): Case Report and Review of Literature. <i>Current Ophthalmology Reports</i> , 2017 , 5, 128-135	1.8	
213	In vivo genome editing via CRISPR/Cas9 mediated homology-independent targeted integration. <i>Nature</i> , 2016 , 540, 144-149	50.4	645
212	Mapping RNA-RNA interactome and RNA structure in vivo by MARIO. <i>Nature Communications</i> , 2016 , 7, 12023	17.4	97
211	Pharmacogenomics of Response to Anti-VEGF Therapy in Exudative Age-Related Macular Degeneration 2016 , 63-95		
210	Longitudinal genome-wide methylation study of Roux-en-Y gastric bypass patients reveals novel CpG sites associated with essential hypertension. <i>BMC Medical Genomics</i> , 2016 , 9, 20	3.7	16

209	Fellow Eye Comparisons for 7-Year Outcomes in Ranibizumab-Treated AMD Subjects from ANCHOR, MARINA, and HORIZON (SEVEN-UP Study). <i>Ophthalmology</i> , 2016 , 123, 1269-77	7.3	53
208	Frequency and Complexity of De Novo Structural Mutation in Autism. <i>American Journal of Human Genetics</i> , 2016 , 98, 667-79	11	61
207	Economic and Quality of Life Benefits of Anti-VEGF Therapy. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2877-80	5.6	14
206	Reply. <i>American Journal of Ophthalmology</i> , 2016 , 162, 200-1	4.9	
205	Treatment of retinitis pigmentosa due to MERTK mutations by ocular subretinal injection of adeno-associated virus gene vector: results of a phase I trial. <i>Human Genetics</i> , 2016 , 135, 327-43	6.3	156
204	Lens regeneration using endogenous stem cells with gain of visual function. <i>Nature</i> , 2016 , 531, 323-8	50.4	125
203	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , 2016 , 48, 134-43	36.3	769
202	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , 2016 , 48, 189-94	36.3	159
201	Clinical Experience of Non-Invasive Prenatal Chromosomal Aneuploidy Testing in 190,277 Patient Samples. <i>Current Molecular Medicine</i> , 2016 , 16, 759-766	2.5	25
200	MicroRNA Expression Profile on Solid Subtype of Invasive Lung Adenocarcinoma Reveals a Panel of Four miRNAs to Be Associated with Poor Prognosis in Chinese Patients. <i>Journal of Cancer</i> , 2016 , 7, 1610-1620	4.5	10
199	Safe and Immunocompatible Nanocarriers Cloaked in RBC Membranes for Drug Delivery to Treat Solid Tumors. <i>Theranostics</i> , 2016 , 6, 1004-11	12.1	139
198	A Common Variant in MIR182 Is Associated With Primary Open-Angle Glaucoma in the NEIGHBORHOOD Consortium 2016 , 57, 4528-4535		31
197	Assessing the Association of Mitochondrial Genetic Variation With Primary Open-Angle Glaucoma Using Gene-Set Analyses 2016 , 57, 5046-5052		29
196	Genetic and environmental factors strongly influence risk, severity and progression of age-related macular degeneration. <i>Signal Transduction and Targeted Therapy</i> , 2016 , 1, 16016	21	9
195	3D printing of functional biomaterials for tissue engineering. <i>Current Opinion in Biotechnology</i> , 2016 , 40, 103-112	11.4	382
194	Joint Antiangiogenic Effect of ATN-161 and Anti-VEGF Antibody in a Rat Model of Early Wet Age-Related Macular Degeneration. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2881-90	5.6	11
193	Methylome-wide Analysis of Chronic HIV Infection Reveals Five-Year Increase in Biological Age and Epigenetic Targeting of HLA. <i>Molecular Cell</i> , 2016 , 62, 157-168	17.6	166
192	A Forward Look At Noninvasive Prenatal Testing. <i>Trends in Molecular Medicine</i> , 2016 , 22, 958-968	11.5	15

191	Light-responsive nanoparticle depot to control release of a small molecule angiogenesis inhibitor in the posterior segment of the eye. <i>Journal of Controlled Release</i> , 2015 , 200, 71-7	11.7	69
190	Next-generation sequencing and novel variant determination in a cohort of 92 familial exudative vitreoretinopathy patients 2015 , 56, 1937-46		73
189	Salidroside protects retinal endothelial cells against hydrogen peroxide-induced injury via modulating oxidative status and apoptosis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015 , 79, 1406-13	3.1	23
188	Lanosterol reverses protein aggregation in cataracts. <i>Nature</i> , 2015 , 523, 607-11	50.4	242
187	Macular atrophy progression and 7-year vision outcomes in subjects from the ANCHOR, MARINA, and HORIZON studies: the SEVEN-UP study. <i>American Journal of Ophthalmology</i> , 2015 , 159, 915-24.e2	4.9	125
186	Whole-exome sequencing implicates UBE3D in age-related macular degeneration in East Asian populations. <i>Nature Communications</i> , 2015 , 6, 6687	17.4	29
185	CETP Gene may be Associated with Advanced Age-Related Macular Degeneration in the Chinese Population. <i>Ophthalmic Genetics</i> , 2015 , 36, 303-8	1.2	17
184	Pharmacogenomics of response to anti-VEGF therapy in exudative age-related macular degeneration. <i>Retina</i> , 2015 , 35, 381-91	3.6	24
183	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. <i>Molecular Cell</i> , 2015 , 59, 931-40	17.6	39
182	VIDEOS IN CLINICAL MEDICINE. Examination of the Retina. <i>New England Journal of Medicine</i> , 2015 , 373, e9	59.2	5
181	Nanoparticle biointerfacing by platelet membrane cloaking. <i>Nature</i> , 2015 , 526, 118-21	50.4	890
180	Noninvasive detection of fetal subchromosomal abnormalities by semiconductor sequencing of maternal plasma DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14670-5	11.5	79
179	Public impact, prevention, and treatment of cataracts. <i>Science China Life Sciences</i> , 2015 , 58, 1157-9	8.5	1
178	Plasma Mitochondrial DNA Levels as a Biomarker of Lipodystrophy Among HIV-infected Patients Treated with Highly Active Antiretroviral Therapy (HAART). <i>Current Molecular Medicine</i> , 2015 , 15, 975-9	2.5	4
177	Transcription Factor PAX6 (Paired Box 6) Controls Limbal Stem Cell Lineage in Development and Disease. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20448-54	5.4	41
176	YAP inhibition blocks uveal melanogenesis driven by GNAQ or GNA11 mutations. <i>Molecular and Cellular Oncology</i> , 2015 , 2, e970957	1.2	15
175	Examination of the Retina. <i>New England Journal of Medicine</i> , 2015 , 373, 2484	59.2	3
174	Effects of adiponectin polymorphisms on the risk of advanced age-related macular degeneration. <i>Biomarkers</i> , 2015 , 20, 266-70	2.6	3

173	TP53 intron 1 hotspot rearrangements are specific to sporadic osteosarcoma and can cause Li-Fraumeni syndrome. <i>Oncotarget</i> , 2015 , 6, 7727-40	3.3	43
172	Next generation sequencing-based molecular diagnosis of retinitis pigmentosa: identification of a novel genotype-phenotype correlation and clinical refinements. <i>Human Genetics</i> , 2014 , 133, 331-45	6.3	172
171	Systemic complement inhibition with eculizumab for geographic atrophy in age-related macular degeneration: the COMPLETE study. <i>Ophthalmology</i> , 2014 , 121, 693-701	7.3	200
170	Noninvasive prenatal diagnosis of common aneuploidies by semiconductor sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7415-20	11.5	90
169	Dopamine release from transplanted neural stem cells in Parkinsonian rat striatum in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15804-9	11.5	28
168	WNT7A and PAX6 define corneal epithelium homeostasis and pathogenesis. <i>Nature</i> , 2014 , 511, 358-61	50.4	148
167	Clearance of pathological antibodies using biomimetic nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13481-6	11.5	170
166	Caspase-8 promotes NLRP1/NLRP3 inflammasome activation and IL-1 β production in acute glaucoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11181-6	11.5	172
165	Hypothesis-independent pathway analysis implicates GABA and acetyl-CoA metabolism in primary open-angle glaucoma and normal-pressure glaucoma. <i>Human Genetics</i> , 2014 , 133, 1319-30	6.3	22
164	Association of CAV1/CAV2 genomic variants with primary open-angle glaucoma overall and by gender and pattern of visual field loss. <i>Ophthalmology</i> , 2014 , 121, 508-16	7.3	73
163	Bio-inspired detoxification using 3D-printed hydrogel nanocomposites. <i>Nature Communications</i> , 2014 , 5, 3774	17.4	219
162	Mutant Gq/11 promote uveal melanoma tumorigenesis by activating YAP. <i>Cancer Cell</i> , 2014 , 25, 822-30	24.3	307
161	Change in drusen volume as a novel clinical trial endpoint for the study of complement inhibition in age-related macular degeneration. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2014 , 45, 18-31	1.4	58
160	A missense mutation in HK1 leads to autosomal dominant retinitis pigmentosa 2014 , 55, 7159-64		20
159	Human retinal progenitor cell transplantation preserves vision. <i>Journal of Biological Chemistry</i> , 2014 , 289, 6362-6371	5.4	83
158	In vivo effect of mutant ELOVL4 on the expression and function of wild-type ELOVL4 2014 , 55, 2705-13		10
157	SNAI2 controls the undifferentiated state of human epidermal progenitor cells. <i>Stem Cells</i> , 2014 , 32, 3209-18	5.8	47
156	Induction of retinal progenitors and neurons from mammalian Müller glia under defined conditions. <i>Journal of Biological Chemistry</i> , 2014 , 289, 11945-11951	5.4	25

155	DNA copy number variants of known glaucoma genes in relation to primary open-angle glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 55, 8251-8		24
154	Malattia leventinese/Doyne honeycomb retinal dystrophy in a chinese family with mutation of the EFEMP1 gene. <i>Retina</i> , 2014 , 34, 2462-71	3.6	11
153	Risk factors for proliferative diabetic retinopathy in a Latino American population. <i>Retina</i> , 2014 , 34, 1594-9	3.9	28
152	Xenobiotic pregnane X receptor (PXR) regulates innate immunity via activation of NLRP3 inflammasome in vascular endothelial cells. <i>Journal of Biological Chemistry</i> , 2014 , 289, 30075-81	5.4	33
151	Targeted genome modification of crop plants using a CRISPR-Cas system. <i>Nature Biotechnology</i> , 2013 , 31, 686-8	44.5	1266
150	Direct conversion of fibroblasts to neurons by reprogramming PTB-regulated microRNA circuits. <i>Cell</i> , 2013 , 152, 82-96	56.2	383
149	Genome-wide methylation profiles reveal quantitative views of human aging rates. <i>Molecular Cell</i> , 2013 , 49, 359-367	17.6	1681
148	RAD51 gene is associated with advanced age-related macular degeneration in Chinese population. <i>Clinical Biochemistry</i> , 2013 , 46, 1689-93	3.5	6
147	'Marker-of-self' functionalization of nanoscale particles through a top-down cellular membrane coating approach. <i>Nanoscale</i> , 2013 , 5, 2664-8	7.7	202
146	CDKN2B-AS1 genotype-glaucoma feature correlations in primary open-angle glaucoma patients from the United States. <i>American Journal of Ophthalmology</i> , 2013 , 155, 342-353.e5	4.9	61
145	Seven new loci associated with age-related macular degeneration. <i>Nature Genetics</i> , 2013 , 45, 433-9, 439e1-3	56.3	577
144	Seven-year outcomes in ranibizumab-treated patients in ANCHOR, MARINA, and HORIZON: a multicenter cohort study (SEVEN-UP). <i>Ophthalmology</i> , 2013 , 120, 2292-9	7.3	669
143	Relative impact of uniaxial alignment vs. form-induced stress on differentiation of human adipose derived stem cells. <i>Biomaterials</i> , 2013 , 34, 9812-8	15.6	28
142	Identification of a rare coding variant in complement 3 associated with age-related macular degeneration. <i>Nature Genetics</i> , 2013 , 45, 1375-9	36.3	130
141	Antagonizing Wnt pathway in diabetic retinopathy. <i>Diabetes</i> , 2013 , 62, 3993-5	0.9	11
140	TCF7L2 variation and proliferative diabetic retinopathy. <i>Diabetes</i> , 2013 , 62, 2613-7	0.9	30
139	The NEIGHBOR consortium primary open-angle glaucoma genome-wide association study: rationale, study design, and clinical variables. <i>Journal of Glaucoma</i> , 2013 , 22, 517-25	2.1	49
138	Is Era of Ocular Regeneration Near?. <i>Asia-Pacific Journal of Ophthalmology</i> , 2013 , 2, 71-2	3.5	

137	A rare nonsynonymous sequence variant in C3 is associated with high risk of age-related macular degeneration. <i>Nature Genetics</i> , 2013 , 45, 1371-4	36.3	104
136	Integration and long distance axonal regeneration in the central nervous system from transplanted primitive neural stem cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 164-8	5.4	17
135	JNK inhibition reduces apoptosis and neovascularization in a murine model of age-related macular degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2377-82	11.5	51
134	Neural Stem Cells Derived by Small Molecules Preserve Vision. <i>Translational Vision Science and Technology</i> , 2013 , 2, 1	3.3	20
133	WNT signaling in stem cell differentiation and tumor formation. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1422-4	15.9	10
132	Estrogen pathway polymorphisms in relation to primary open angle glaucoma: an analysis accounting for gender from the United States. <i>Molecular Vision</i> , 2013 , 19, 1471-81	2.3	37
131	Inhibition of RhoA/Rho-kinase pathway suppresses the expression of extracellular matrix induced by CTGF or TGF- β in ARPE-19. <i>International Journal of Ophthalmology</i> , 2013 , 6, 8-14	1.4	26
130	Current therapeutic approaches in neovascular age-related macular degeneration. <i>Discovery Medicine</i> , 2013 , 15, 343-8	2.5	15
129	Genetics of immunological and inflammatory components in age-related macular degeneration. <i>Ocular Immunology and Inflammation</i> , 2012 , 20, 27-36	2.8	65
128	Complement factor H genotypes impact risk of age-related macular degeneration by interaction with oxidized phospholipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13757-62	11.5	107
127	Genome-wide analysis of central corneal thickness in primary open-angle glaucoma cases in the NEIGHBOR and GLAUGEN consortia 2012 , 53, 4468-74		46
126	Hair cortisol level as a biomarker for altered hypothalamic-pituitary-adrenal activity in female adolescents with posttraumatic stress disorder after the 2008 Wenchuan earthquake. <i>Biological Psychiatry</i> , 2012 , 72, 65-9	7.9	116
125	Large-scale synthesis of lipid-polymer hybrid nanoparticles using a multi-inlet vortex reactor. <i>Langmuir</i> , 2012 , 28, 13824-9	4	49
124	Tyrosine-mutant AAV8 delivery of human MERTK provides long-term retinal preservation in RCS rats 2012 , 53, 1895-904		44
123	Ophthalmic drug discovery: novel targets and mechanisms for retinal diseases and glaucoma. <i>Nature Reviews Drug Discovery</i> , 2012 , 11, 541-59	64.1	232
122	Common variants at 9p21 and 8q22 are associated with increased susceptibility to optic nerve degeneration in glaucoma. <i>PLoS Genetics</i> , 2012 , 8, e1002654	6	227
121	High temperature requirement factor A1 (HTRA1) gene regulates angiogenesis through transforming growth factor- β family member growth differentiation factor 6. <i>Journal of Biological Chemistry</i> , 2012 , 287, 1520-6	5.4	65
120	Essential role of ELOVL4 protein in very long chain fatty acid synthesis and retinal function. <i>Journal of Biological Chemistry</i> , 2012 , 287, 11469-80	5.4	60

119	Complement factor H genetic variant and age-related macular degeneration: effect size, modifiers and relationship to disease subtype. <i>International Journal of Epidemiology</i> , 2012 , 41, 250-62	7.8	70
118	Leber hereditary optic neuropathy and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19882-3	11.5	10
117	Stem cells and eye development. <i>New England Journal of Medicine</i> , 2011 , 365, 370-2	59.2	17
116	Sustained axon regeneration induced by co-deletion of PTEN and SOCS3. <i>Nature</i> , 2011 , 480, 372-5	50.4	491
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