

Kang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

283
papers

42,894
citations

4136

87
h-index

2567

195
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299
all docs

299
docs citations

299
times ranked

58227
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	7.1	23
2	Comprehensive 3D epigenomic maps define limbal stem/progenitor cell function and identity. <i>Nature Communications</i> , 2022, 13, 1293.	5.8	6
3	Visual function restoration with a highly sensitive and fast Channelrhodopsin in blind mice. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 104.	7.1	10
4	Homologous or heterogenous vaccination boosters enhance neutralizing activities against SARS-CoV-2 Omicron BA.1 variant. <i>MedComm</i> , 2022, 3, e143.	3.1	3
5	Lipid metabolism dysfunction induced by age-dependent DNA methylation accelerates aging. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	24
6	A deep-learning system predicts glaucoma incidence and progression using retinal photographs. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	35
7	Macrophage membrane functionalized biomimetic nanoparticles for targeted anti-atherosclerosis applications. <i>Theranostics</i> , 2021, 11, 164-180.	4.6	184
8	Rapid bioprinting of conjunctival stem cell micro-constructs for subconjunctival ocular injection. <i>Biomaterials</i> , 2021, 267, 120462.	5.7	29
9	Core transcription regulatory circuitry orchestrates corneal epithelial homeostasis. <i>Nature Communications</i> , 2021, 12, 420.	5.8	32
10	Circulating tumour DNA methylation in hepatocellular carcinoma diagnosis using digital droplet PCR. <i>Journal of International Medical Research</i> , 2021, 49, 030006052199296.	0.4	4
11	COVID-19 in early 2021: current status and looking forward. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 114.	7.1	191
12	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.	11.6	106
13	Aberrant TGF- β 1 signaling activation by MAF underlies pathological lens growth in high myopia. <i>Nature Communications</i> , 2021, 12, 2102.	5.8	31
14	EyeHealer: A large-scale anterior eye segment dataset with eye structure and lesion annotations. <i>Precision Clinical Medicine</i> , 2021, 4, 85-92.	1.3	6
15	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.	11.6	121
16	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.	7.1	8
17	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.	1.3	7
18	CRISPR/Cas9 mediated somatic gene therapy for insertional mutations: the vibrator mouse model. <i>Precision Clinical Medicine</i> , 2021, 4, 168-175.	1.3	4

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19	An Adversarial Collaborative-Learning Approach for Corneal Scar Segmentation with Ocular Anterior Segment Photography. , 2021, , .		0
20	COVID-19 Delta variantsâ€™ Current status and implications as of August 2021. Precision Clinical Medicine, 2021, 4, 287-292.	1.3	18
21	Significant reduction of humoral response to SARS-CoV-2 4 months after the diagnosis of COVID-19. Precision Clinical Medicine, 2021, 4, 73-76.	1.3	7
22	Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration. JAMA Ophthalmology, 2021, 139, 1299.	1.4	29
23	Defect of LSS Disrupts Lens Development in Cataractogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 788422.	1.8	12
24	Circulating tumor DNA methylation profiles enable early diagnosis, prognosis prediction, and screening for colorectal cancer. Science Translational Medicine, 2020, 12, .	5.8	260
25	Personnel protection strategy for healthcare workers in Wuhan during the COVID-19 epidemic. Precision Clinical Medicine, 2020, 3, 169-174.	1.3	7
26	Estimated prevalence and viral transmissibility in subjects with asymptomatic SARS-CoV-2 infections in Wuhan, China. Precision Clinical Medicine, 2020, 3, 301-305.	1.3	5
27	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. Nature, 2020, 586, 572-577.	13.7	630
28	A four-compartment model for the COVID-19 infectionâ€™ implications on infection kinetics, control measures, and lockdown exit strategies. Precision Clinical Medicine, 2020, 3, 104-112.	1.3	23
29	SARS-CoV-2 reinfection in two patients who have recovered from COVID-19. Precision Clinical Medicine, 2020, 3, 292-293.	1.3	22
30	Three-dimensional facial-image analysis to predict heterogeneity of the human ageing rate and the impact of lifestyle. Nature Metabolism, 2020, 2, 946-957.	5.1	45
31	Clinically Applicable AI System for Accurate Diagnosis, Quantitative Measurements, and Prognosis of COVID-19 Pneumonia Using Computed Tomography. Cell, 2020, 181, 1423-1433.e11.	13.5	638
32	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. Nature Medicine, 2020, 26, 1193-1195.	15.2	352
33	Characteristics of pediatric SARS-CoV-2 infection and potential evidence for persistent fecal viral shedding. Nature Medicine, 2020, 26, 502-505.	15.2	1,238
34	Refining Cancer Management Using Integrated Liquid Biopsy. Theranostics, 2020, 10, 2374-2384.	4.6	39
35	The lipid elongation enzyme ELOVL2 is a molecular regulator of aging in the retina. Aging Cell, 2020, 19, e13100.	3.0	66
36	DNA methylation markers in the diagnosis and prognosis of common leukemias. Signal Transduction and Targeted Therapy, 2020, 5, 3.	7.1	27

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37	Impaired lipid metabolism by age-dependent DNA methylation alterations accelerates aging. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4328-4336.	3.3	24
38	KISEG: A Three-Stage Segmentation Framework for Multi-level Acceleration of Chest CT Scans from COVID-19 Patients. Lecture Notes in Computer Science, 2020, , 25-34.	1.0	10
39	A model for the aberrant DNA methylomes in aging cells and cancer cells. Biochemical Society Transactions, 2019, 47, 997-1003.	1.6	5
40	Nestin regulates cellular redox homeostasis in lung cancer through the Keap1â€Nrf2 feedback loop. Nature Communications, 2019, 10, 5043.	5.8	74
41	Current status and future trends of clinical diagnoses via image-based deep learning. Theranostics, 2019, 9, 7556-7565.	4.6	66
42	Biomimetic Nanotherapies: Red Blood Cell Based Coreâ€Shell Structured Nanocomplexes for Atherosclerosis Management. Advanced Science, 2019, 6, 1900172.	5.6	194
43	Big DNA as a tool to dissect an age-related macular degeneration-associated haplotype. Precision Clinical Medicine, 2019, 2, 1-7.	1.3	6
44	Genome-wide colocalization of RNAâ€DNA interactions and fusion RNA pairs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3328-3337.	3.3	52
45	Evaluation and accurate diagnoses of pediatric diseases using artificial intelligence. Nature Medicine, 2019, 25, 433-438.	15.2	386
46	DNA methylation aging clocks: challenges and recommendations. Genome Biology, 2019, 20, 249.	3.8	552
47	The practical implementation of artificial intelligence technologies in medicine. Nature Medicine, 2019, 25, 30-36.	15.2	1,079
48	Epigenetic biomarkers for noninvasive detection of colorectal cancer.. Journal of Clinical Oncology, 2019, 37, 45-45.	0.8	0
49	Cell-free DNA methylation markers for noninvasive early detection of nasopharyngeal carcinoma.. Journal of Clinical Oncology, 2019, 37, e14537-e14537.	0.8	0
50	Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning. Cell, 2018, 172, 1122-1131.e9.	13.5	2,822
51	SRPKIN-1: A Covalent SRPK1/2 Inhibitor that Potently Converts VEGF from Pro-angiogenic to Anti-angiogenic Isoform. Cell Chemical Biology, 2018, 25, 460-470.e6.	2.5	95
52	Liu et al. reply. Nature, 2018, 556, E3-E4.	13.7	12
53	Cellular Reprogramming in the Retina â€ Seeing the Light. New England Journal of Medicine, 2018, 378, 1059-1060.	13.9	3
54	Intermedin Enlarges the Vascular Lumen by Inducing the Quiescent Endothelial Cell Proliferation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 398-413.	1.1	30

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55	3D bioprinting of hydrogels for retina cell culturing. <i>Bioprinting</i> , 2018, 12, e00029.	2.9	38
56	Regenerating Eye Tissues to Preserve and Restore Vision. <i>Cell Stem Cell</i> , 2018, 22, 834-849.	5.2	131
57	In Situ Gene Therapy via AAV-CRISPR-Cas9-Mediated Targeted Gene Regulation. <i>Molecular Therapy</i> , 2018, 26, 1818-1827.	3.7	111
58	Clinical applications of retinal gene therapies. <i>Precision Clinical Medicine</i> , 2018, 1, 5-20.	1.3	11
59	Tissue repair and regeneration with endogenous stem cells. <i>Nature Reviews Materials</i> , 2018, 3, 174-193.	23.3	168
60	Abstract 3324: Diagnosis and prognosis of hepatocellular carcinoma with ctDNA methylation markers. , 2018, , .		0
61	Direct 3D bioprinting of prevascularized tissue constructs with complex microarchitecture. <i>Biomaterials</i> , 2017, 124, 106-115.	5.7	433
62	YAP-IL-6/STAT3 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.	3.3	85
63	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.	9.4	384
64	Gene and mutation independent therapy via CRISPR-Cas9 mediated cellular reprogramming in rod photoreceptors. <i>Cell Research</i> , 2017, 27, 830-833.	5.7	58
65	Statins Attenuate Activation of the NLRP3 Inflammasome by Oxidized LDL or TNF- α in Vascular Endothelial Cells through a PXR-Dependent Mechanism. <i>Molecular Pharmacology</i> , 2017, 92, 256-264.	1.0	68
66	SMARCD1 Contributes to the Regulation of Naive Pluripotency by Interacting with Histone Citrullination. <i>Cell Reports</i> , 2017, 18, 3117-3128.	2.9	40
67	Future Science Prize goes to non-invasive prenatal testing. <i>Science China Life Sciences</i> , 2017, 60, 429-431.	2.3	0
68	Circulating tumour DNA methylation markers for diagnosis and prognosis of hepatocellular carcinoma. <i>Nature Materials</i> , 2017, 16, 1155-1161.	13.3	641
69	DNA Methylomes Reveal Biological Networks Involved in Human Eye Development, Functions and Associated Disorders. <i>Scientific Reports</i> , 2017, 7, 11762.	1.6	44
70	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.	3.3	387
71	X-Linked Idiopathic Infantile Nystagmus (XLIIN): Case Report and Review of Literature. <i>Current Ophthalmology Reports</i> , 2017, 5, 128-135.	0.5	0
72	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.	1.2	15

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73	Safe and Immunocompatible Nanocarriers Cloaked in RBC Membranes for Drug Delivery to Treat Solid Tumors. <i>Theranostics</i> , 2016, 6, 1004-1011.	4.6	185
74	A Common Variant in <i>MIR182</i> Is Associated With Primary Open-Angle Glaucoma in the NEIGHBORHOOD Consortium. , 2016, 57, 4528.		42
75	Assessing the Association of Mitochondrial Genetic Variation With Primary Open-Angle Glaucoma Using Gene-Set Analyses. , 2016, 57, 5046.		44
76	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.	7.1	16
77	3D printing of functional biomaterials for tissue engineering. <i>Current Opinion in Biotechnology</i> , 2016, 40, 103-112.	3.3	584
78	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, 2881-2890.	2.3	13
79	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.	4.5	233
80	A Forward Look At Noninvasive Prenatal Testing. <i>Trends in Molecular Medicine</i> , 2016, 22, 958-968.	3.5	17
81	In vivo genome editing via CRISPR/Cas9 mediated homology-independent targeted integration. <i>Nature</i> , 2016, 540, 144-149.	13.7	906
82	Mapping RNA-RNA interactome and RNA structure in vivo by MARIO. <i>Nature Communications</i> , 2016, 7, 12023.	5.8	135
83	Pharmacogenomics of Response to Anti-VEGF Therapy in Exudative Age-Related Macular Degeneration. , 2016, , 63-95.		0
84	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.	0.7	18
85	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, 1269-1277.	2.5	67
86	Frequency and Complexity of De Novo Structural Mutation in Autism. <i>American Journal of Human Genetics</i> , 2016, 98, 667-679.	2.6	88
87	Economic and Quality of Life Benefits of Anti-VEGF Therapy. <i>Molecular Pharmaceutics</i> , 2016, 13, 2877-2880.	2.3	20
88	Reply. <i>American Journal of Ophthalmology</i> , 2016, 162, 200-201.	1.7	0
89	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, 327-343.	1.8	195
90	Lens regeneration using endogenous stem cells with gain of visual function. <i>Nature</i> , 2016, 531, 323-328.	13.7	171

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91	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , 2016, 48, 134-143.	9.4	1,167
92	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , 2016, 48, 189-194.	9.4	211
93	Clinical Experience of Non-Invasive Prenatal Chromosomal Aneuploidy Testing in 190,277 Patient Samples. <i>Current Molecular Medicine</i> , 2016, 16, 759-766.	0.6	31
94	Public impact, prevention, and treatment of cataracts. <i>Science China Life Sciences</i> , 2015, 58, 1157-1159.	2.3	1
95	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, 975-979.	0.6	6
96	Transcription Factor PAX6 (Paired Box 6) Controls Limbal Stem Cell Lineage in Development and Disease. <i>Journal of Biological Chemistry</i> , 2015, 290, 20448-20454.	1.6	54
97	YAP inhibition blocks uveal melanogenesis driven by GNAQ or GNA11 mutations. <i>Molecular and Cellular Oncology</i> , 2015, 2, e970957.	0.3	18
98	Examination of the Retina. <i>New England Journal of Medicine</i> , 2015, 373, 2483-2484.	13.9	8
99	Effects of adiponectin polymorphisms on the risk of advanced age-related macular degeneration. <i>Biomarkers</i> , 2015, 20, 266-270.	0.9	5
100	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, 71-77.	4.8	91
101	Next-Generation Sequencing and Novel Variant Determination in a Cohort of 92 Familial Exudative Vitreoretinopathy Patients. , 2015, 56, 1937.		84
102	Salidroside protects retinal endothelial cells against hydrogen peroxide-induced injury via modulating oxidative status and apoptosis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1406-1413.	0.6	27
103	Lanosterol reverses protein aggregation in cataracts. <i>Nature</i> , 2015, 523, 607-611.	13.7	351
104	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, 915-924.e2.	1.7	168
105	Whole-exome sequencing implicates UBE3D in age-related macular degeneration in East Asian populations. <i>Nature Communications</i> , 2015, 6, 6687.	5.8	40
106	CETP Gene may be Associated with Advanced Age-Related Macular Degeneration in the Chinese Population. <i>Ophthalmic Genetics</i> , 2015, 36, 303-308.	0.5	17
107	PHARMACOGENOMICS OF RESPONSE TO ANTI-VEGF THERAPY IN EXUDATIVE AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2015, 35, 381-391.	1.0	31
108	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. <i>Molecular Cell</i> , 2015, 59, 931-940.	4.5	66

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109	Examination of the Retina. <i>New England Journal of Medicine</i> , 2015, 373, e9.	13.9	9
110	Nanoparticle biointerfacing by platelet membrane cloaking. <i>Nature</i> , 2015, 526, 118-121.	13.7	1,270
111	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, 14670-14675.	3.3	104
112	<i>TP53</i> intron 1 hotspot rearrangements are specific to sporadic osteosarcoma and can cause Li-Fraumeni syndrome. <i>Oncotarget</i> , 2015, 6, 7727-7740.	0.8	51
113	A Missense Mutation in <i>HK1</i> Leads to Autosomal Dominant Retinitis Pigmentosa. , 2014, 55, 7159.		28
114	Human Retinal Progenitor Cell Transplantation Preserves Vision. <i>Journal of Biological Chemistry</i> , 2014, 289, 6362-6371.	1.6	101
115	In Vivo Effect of Mutant ELOVL4 on the Expression and Function of Wild-Type ELOVL4. , 2014, 55, 2705.		10
116	SNAI2 Controls the Undifferentiated State of Human Epidermal Progenitor Cells. <i>Stem Cells</i> , 2014, 32, 3209-3218.	1.4	60
117	Induction of Retinal Progenitors and Neurons from Mammalian Müller Glia under Defined Conditions. <i>Journal of Biological Chemistry</i> , 2014, 289, 11945-11951.	1.6	30
118	DNA Copy Number Variants of Known Glaucoma Genes in Relation to Primary Open-Angle Glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8251-8258.	3.3	27
119	MALATTIA LEVANTINESE/DOYNE HONEYCOMB RETINAL DYSTROPHY IN A CHINESE FAMILY WITH MUTATION OF THE EFEMP1 GENE. <i>Retina</i> , 2014, 34, 2462-2471.	1.0	14
120	RISK FACTORS FOR PROLIFERATIVE DIABETIC RETINOPATHY IN A LATINO AMERICAN POPULATION. <i>Retina</i> , 2014, 34, 1594-1599.	1.0	34
121	Challenges and opportunities in developing nanoparticles for detoxification. <i>Nanomedicine</i> , 2014, 9, 2437-2439.	1.7	9
122	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, 30075-30081.	1.6	42
123	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, 331-345.	1.8	204
124	Systemic Complement Inhibition with Eculizumab for Geographic Atrophy in Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2014, 121, 693-701.	2.5	264
125	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, 7415-7420.	3.3	110
126	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, 15804-15809.	3.3	43

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127	WNT7A and PAX6 define corneal epithelium homeostasis and pathogenesis. <i>Nature</i> , 2014, 511, 358-361.	13.7	193
128	Clearance of pathological antibodies using biomimetic nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13481-13486.	3.3	231
129	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, 11181-11186.	3.3	236
130	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, 1319-1330.	1.8	32
131	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, 508-516.	2.5	91
132	Bio-inspired detoxification using 3D-printed hydrogel nanocomposites. <i>Nature Communications</i> , 2014, 5, 3774.	5.8	271
133	Mutant Gq/11 Promote Uveal Melanoma Tumorigenesis by Activating YAP. <i>Cancer Cell</i> , 2014, 25, 822-830.	7.7	391
134	Rescue of Dopamine Release and Behavior by Transplanted Neural Stem Cells in a Rat Model of Parkinsonism. <i>Biophysical Journal</i> , 2014, 106, 523a-524a.	0.2	0
135	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.	0.4	82
136	Targeted genome modification of crop plants using a CRISPR-Cas system. <i>Nature Biotechnology</i> , 2013, 31, 686-688.	9.4	1,657
137	Direct Conversion of Fibroblasts to Neurons by Reprogramming PTB-Regulated MicroRNA Circuits. <i>Cell</i> , 2013, 152, 82-96.	13.5	508
138	Genome-wide Methylation Profiles Reveal Quantitative Views of Human Aging Rates. <i>Molecular Cell</i> , 2013, 49, 359-367.	4.5	2,734
139	RAD51 gene is associated with advanced age-related macular degeneration in Chinese population. <i>Clinical Biochemistry</i> , 2013, 46, 1689-1693.	0.8	8
140	“Marker-of-self”™ functionalization of nanoscale particles through a top-down cellular membrane coating approach. <i>Nanoscale</i> , 2013, 5, 2664.	2.8	253
141	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.	1.7	76
142	Seven new loci associated with age-related macular degeneration. <i>Nature Genetics</i> , 2013, 45, 433-439.	9.4	687
143	Seven-Year Outcomes in Ranibizumab-Treated Patients in ANCHOR, MARINA, and HORIZON. <i>Ophthalmology</i> , 2013, 120, 2292-2299.	2.5	854
144	Relative impact of uniaxial alignment vs. form-induced stress on differentiation of human adipose derived stem cells. <i>Biomaterials</i> , 2013, 34, 9812-9818.	5.7	31

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145	Identification of a rare coding variant in complement 3 associated with age-related macular degeneration. <i>Nature Genetics</i> , 2013, 45, 1375-1379.	9.4	158
146	Antagonizing Wnt Pathway in Diabetic Retinopathy. <i>Diabetes</i> , 2013, 62, 3993-3995.	0.3	12
147	TCF7L2 Variation and Proliferative Diabetic Retinopathy. <i>Diabetes</i> , 2013, 62, 2613-2617.	0.3	38
148	The NEIGHBOR Consortium Primary Open-Angle Glaucoma Genome-wide Association Study. <i>Journal of Glaucoma</i> , 2013, 22, 517-525.	0.8	55
149	Is Era of Ocular Regeneration Near?. <i>Asia-Pacific Journal of Ophthalmology</i> , 2013, 2, 71-72.	1.3	0
150	A rare nonsynonymous sequence variant in C3 is associated with high risk of age-related macular degeneration. <i>Nature Genetics</i> , 2013, 45, 1371-1374.	9.4	125
151	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, 164-168.	1.6	18
152	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, 2377-2382.	3.3	63
153	Neural Stem Cells Derived by Small Molecules Preserve Vision. <i>Translational Vision Science and Technology</i> , 2013, 2, 1.	1.1	26
154	WNT signaling in stem cell differentiation and tumor formation. <i>Journal of Clinical Investigation</i> , 2013, 123, 1422-1424.	3.9	12
155	Inhibition of RhoA/Rho-kinase pathway suppresses the expression of extracellular matrix induced by CTGF or TGF- β^2 in ARPE-19. <i>International Journal of Ophthalmology</i> , 2013, 6, 8-14.	0.5	29
156	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.	1.1	40
157	Current therapeutic approaches in neovascular age-related macular degeneration. <i>Discovery Medicine</i> , 2013, 15, 343-8.	0.5	19
158	Common Variants at 9p21 and 8q22 Are Associated with Increased Susceptibility to Optic Nerve Degeneration in Glaucoma. <i>PLoS Genetics</i> , 2012, 8, e1002654.	1.5	276
159	High Temperature Requirement Factor A1 (HTRA1) Gene Regulates Angiogenesis through Transforming Growth Factor- β^2 Family Member Growth Differentiation Factor 6. <i>Journal of Biological Chemistry</i> , 2012, 287, 1520-1526.	1.6	82
160	Essential Role of ELOVL4 Protein in Very Long Chain Fatty Acid Synthesis and Retinal Function. <i>Journal of Biological Chemistry</i> , 2012, 287, 11469-11480.	1.6	83
161	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, 250-262.	0.9	79
162	Leber hereditary optic neuropathy and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19882-19883.	3.3	14

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