

Qiang Wu

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,755
citations

346980

22
h-index

223390

49
g-index

76
all docs

76
docs citations

76
times ranked

4765
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Subfoveal choroidal thickness changes after intravitreal ranibizumab injections in different patterns of diabetic macular edema using a deep learning-based auto-segmentation. <i>International Ophthalmology</i> , 2023, 43, 4399-4407. | 0.6 | 4 |
| 2 | Sirt5-mediated desuccinylation of OPTN protects retinal ganglion cells from autophagic flux blockade in diabetic retinopathy. <i>Cell Death Discovery</i> , 2022, 8, 63. | 2.0 | 10 |
| 3 | Optical coherence tomography angiography for the detection and evaluation of ptic disc neovascularization: a retrospective, observational study. <i>BMC Ophthalmology</i> , 2022, 22, 125. | 0.6 | 4 |
| 4 | Cost-effective broad learning-based ultrasound biomicroscopy with 3D reconstruction for ocular anterior segmentation. <i>Multimedia Tools and Applications</i> , 2021, 80, 35105-35122. | 2.6 | 14 |
| 5 | Biodegradable Zn-Sr alloy for bone regeneration in rat femoral condyle defect model: In vitro and in vivo studies. <i>Bioactive Materials</i> , 2021, 6, 1588-1604. | 8.6 | 104 |
| 6 | Wiring the Brain by Clustered Protocadherin Neural Codes. <i>Neuroscience Bulletin</i> , 2021, 37, 117-131. | 1.5 | 23 |
| 7 | A deep learning system for detecting diabetic retinopathy across the disease spectrum. <i>Nature Communications</i> , 2021, 12, 3242. | 5.8 | 188 |
| 8 | VEGF as a Direct Functional Regulator of Photoreceptors and Contributing Factor to Diabetes-Induced Alteration of Photoreceptor Function. <i>Biomolecules</i> , 2021, 11, 988. | 1.8 | 5 |
| 9 | Zn _{0.8} Li _{0.1} Sr is a biodegradable metal with high mechanical strength comparable to pure Ti for the treatment of osteoporotic bone fractures: In vitro and in vivo studies. <i>Biomaterials</i> , 2021, 275, 120905. | 5.7 | 46 |
| 10 | Natural course of myopic traction maculopathy and factors influencing progression and visual acuity. <i>BMC Ophthalmology</i> , 2021, 21, 347. | 0.6 | 9 |
| 11 | Biodegradable ZnLiCa ternary alloys for critical-sized bone defect regeneration at load-bearing sites: In vitro and in vivo studies. <i>Bioactive Materials</i> , 2021, 6, 3999-4013. | 8.6 | 40 |
| 12 | Time in Range Is Associated with Carotid Intima-Media Thickness in Type 2 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2020, 22, 72-78. | 2.4 | 148 |
| 13 | MicroRNA-203a-3p regulates CoCl ₂ -induced apoptosis in human retinal pigment epithelial cells by targeting suppressor of cytokine signaling 3. <i>Journal of Diabetes and Its Complications</i> , 2020, 34, 107668. | 1.2 | 6 |
| 14 | Automatic Grading System for Diabetic Retinopathy Diagnosis Using Deep Learning Artificial Intelligence Software. <i>Current Eye Research</i> , 2020, 45, 1550-1555. | 0.7 | 18 |
| 15 | Tandem CTCF sites function as insulators to balance spatial chromatin contacts and topological enhancer-promoter selection. <i>Genome Biology</i> , 2020, 21, 75. | 3.8 | 55 |
| 16 | In vitro and in vivo studies of Zn-Mn biodegradable metals designed for orthopedic applications. <i>Acta Biomaterialia</i> , 2020, 108, 358-372. | 4.1 | 117 |
| 17 | Three-dimensional genome architectural CCCTC-binding factor makes choice in duplicated enhancers at Pcdh1± locus. <i>Science China Life Sciences</i> , 2020, 63, 835-844. | 2.3 | 5 |
| 18 | CCAAT/Enhancer-Binding Protein β Mediates Oxygen-Induced Retinal Neovascularization via Retinal Vascular Damage and Vascular Endothelial Growth Factor. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-11. | 1.0 | 2 |

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|----|--|-----|-----------|
| 19 | Genetic evidence for asymmetric blocking of higher-order chromatin structure by CTCF/cohesin. <i>Protein and Cell</i> , 2019, 10, 914-920. | 4.8 | 12 |
| 20 | Cas9 has no exonuclease activity resulting in staggered cleavage with overhangs and predictable di- and tri-nucleotide CRISPR insertions without template donor. <i>Cell Discovery</i> , 2019, 5, 53. | 3.1 | 29 |
| 21 | Automatic Choroid Layer Segmentation from Optical Coherence Tomography Images Using Deep Learning. <i>Scientific Reports</i> , 2019, 9, 3058. | 1.6 | 53 |
| 22 | Personalized aspheric intraocular lens implantation based on corneal spherical aberration: a review. <i>International Journal of Ophthalmology</i> , 2019, 12, 1788-1792. | 0.5 | 11 |
| 23 | Automatic choroid layer segmentation using normalized graph cut. <i>IET Image Processing</i> , 2018, 12, 53-59. | 1.4 | 5 |
| 24 | P66Shc expression in diabetic rat retina. <i>BMC Ophthalmology</i> , 2018, 18, 58. | 0.6 | 9 |
| 25 | The Chinese Catquest-9SF: validation and application in community screenings. <i>BMC Ophthalmology</i> , 2018, 18, 77. | 0.6 | 16 |
| 26 | Choroidal Variations in Diabetic Macular Edema: Fluorescein Angiography and Optical Coherence Tomography. <i>Current Eye Research</i> , 2018, 43, 102-108. | 0.7 | 12 |
| 27 | Comparison of the Clinical Performance of Refractive Rotationally Asymmetric Multifocal IOLs with Other Types of IOLs: A Meta-Analysis. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-13. | 0.6 | 6 |
| 28 | Clinical application of multicolour scanning laser imaging in diabetic retinopathy. <i>Lasers in Medical Science</i> , 2018, 33, 1371-1379. | 1.0 | 10 |
| 29 | Reply to Letter to the Editor: Choroidal Thickness in Diabetic Macular Edema Compared to Normal Controls. <i>Current Eye Research</i> , 2018, 43, 1303-1303. | 0.7 | 0 |
| 30 | Precise and Predictable CRISPR Chromosomal Rearrangements Reveal Principles of Cas9-Mediated Nucleotide Insertion. <i>Molecular Cell</i> , 2018, 71, 498-509.e4. | 4.5 | 137 |
| 31 | Precision and agreement of higher order aberrations measured with ray tracing and Hartmann-Shack aberrometers. <i>BMC Ophthalmology</i> , 2018, 18, 18. | 0.6 | 23 |
| 32 | Precision (repeatability and reproducibility) of ocular parameters obtained by the Tomey OA-2000 biometer compared to the IOLMaster in healthy eyes. <i>PLoS ONE</i> , 2018, 13, e0193023. | 1.1 | 31 |
| 33 | The thickness and volume of the choroid, outer retinal layers and retinal pigment epithelium layer changes in patients with diabetic retinopathy. <i>International Journal of Ophthalmology</i> , 2018, 11, 1957-1962. | 0.5 | 12 |
| 34 | Retinal optic disc localization using convergence tracking of blood vessels. <i>Multimedia Tools and Applications</i> , 2017, 76, 23309-23331. | 2.6 | 7 |
| 35 | Transcription factors regulate GPR91-mediated expression of VEGF in hypoxia-induced retinopathy. <i>Scientific Reports</i> , 2017, 7, 45807. | 1.6 | 18 |
| 36 | Interchangeability and reliability of macular perfusion parameter measurements using optical coherence tomography angiography. <i>British Journal of Ophthalmology</i> , 2017, 101, 1542-1549. | 2.1 | 30 |

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|----|--|-----|-----------|
| 37 | Clinical study inpatient-reported outcomes after binocular implantation of aspheric intraocular lens of different negative spherical aberrations. <i>Asian Pacific Journal of Tropical Medicine</i> , 2017, 10, 710-713. | 0.4 | 2 |
| 38 | G protein-coupled receptor 91 signaling in diabetic retinopathy and hypoxic retinal diseases. <i>Vision Research</i> , 2017, 139, 59-64. | 0.7 | 19 |
| 39 | Anterior lens capsule and epithelium thickness measurements using spectral-domain optical coherence tomography. <i>BMC Ophthalmology</i> , 2017, 17, 94. | 0.6 | 2 |
| 40 | Identification of Mesencephalic Astrocyte-Derived Neurotrophic Factor as a Novel Neuroprotective Factor for Retinal Ganglion Cells. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 76. | 1.4 | 26 |
| 41 | Comparison of spectral-domain optical coherence tomography for intra-retinal layers thickness measurements between healthy and diabetic eyes among Chinese adults. <i>PLoS ONE</i> , 2017, 12, e0177515. | 1.1 | 22 |
| 42 | Comparison of clinical performance between trifocal and bifocal intraocular lenses: A meta-analysis. <i>PLoS ONE</i> , 2017, 12, e0186522. | 1.1 | 47 |
| 43 | Evaluation of visual quality of spherical and aspherical intraocular lenses by Optical Quality Analysis System. <i>International Journal of Ophthalmology</i> , 2017, 10, 914-918. | 0.5 | 17 |
| 44 | Population-based survey of prevalence, causes, and risk factors for blindness and visual impairment in an aging Chinese metropolitan population. <i>International Journal of Ophthalmology</i> , 2017, 10, 140-147. | 0.5 | 20 |
| 45 | Comparison axial length measurements from three biometric instruments in high myopia. <i>International Journal of Ophthalmology</i> , 2016, 9, 876-80. | 0.5 | 10 |
| 46 | Baclofen Protects Primary Rat Retinal Ganglion Cells from Chemical Hypoxia-Induced Apoptosis Through the Akt and PERK Pathways. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 255. | 1.8 | 21 |
| 47 | Precision (Repeatability and Reproducibility) and Agreement of Corneal Power Measurements Obtained by Topcon KR-1W and iTrace. <i>PLoS ONE</i> , 2016, 11, e0147086. | 1.1 | 13 |
| 48 | Macular Thickness in Myopia: An OCT Study of Young Chinese Patients. <i>Current Eye Research</i> , 2016, 41, 1373-1378. | 0.7 | 10 |
| 49 | Expression and Distribution of Mesencephalic Astrocyte-Derived Neurotrophic Factor in the Retina and Optic Nerve. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 686. | 1.0 | 10 |
| 50 | Comparative analysis of three purification protocols for retinal ganglion cells from rat. <i>Molecular Vision</i> , 2016, 22, 387-400. | 1.1 | 30 |
| 51 | Macular Thickness Assessed with Optical Coherence Tomography in Young Chinese Myopic Patients. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-7. | 0.6 | 9 |
| 52 | Minocycline inhibits PARP-1 expression and decreases apoptosis in diabetic retinopathy. <i>Molecular Medicine Reports</i> , 2015, 12, 4887-4894. | 1.1 | 27 |
| 53 | The MAPK signaling pathway mediates the GPR91-dependent release of VEGF from RGC-5 cells. <i>International Journal of Molecular Medicine</i> , 2015, 36, 130-138. | 1.8 | 40 |
| 54 | Corneal thickness, epithelial thickness and axial length differences in normal and high myopia. <i>BMC Ophthalmology</i> , 2015, 15, 49. | 0.6 | 29 |

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|----|---|------|-----------|
| 55 | CRISPR Inversion of CTCF Sites Alters Genome Topology and Enhancer/Promoter Function. <i>Cell</i> , 2015, 162, 900-910. | 13.5 | 846 |
| 56 | Changes in central corneal thickness and refractive error after thin-flap laser in situ keratomileusis in Chinese eyes. <i>BMC Ophthalmology</i> , 2015, 15, 86. | 0.6 | 9 |
| 57 | Angle parameter changes of phacoemulsification and combined phacotrabeculectomy for acute primary angle closure. <i>International Journal of Ophthalmology</i> , 2015, 8, 742-7. | 0.5 | 4 |
| 58 | Evaluation of Anterior Segment Parameters and Possible Influencing Factors in Normal Subjects Using a Dual Scheimpflug Analyzer. <i>PLoS ONE</i> , 2014, 9, e97913. | 1.1 | 7 |
| 59 | Comparison of Anterior Corneal Curvature Measurements Using a Galilei Dual Scheimpflug Analyzer and Topcon Auto Kerato-Refractometer. <i>Journal of Ophthalmology</i> , 2014, 2014, 1-5. | 0.6 | 8 |
| 60 | Effect of HSF4b on age related cataract may through its novel downstream target Hif1 α . <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 674-678. | 1.0 | 3 |
| 61 | Optical coherence tomography angiography of optic nerve head and parafovea in multiple sclerosis. <i>British Journal of Ophthalmology</i> , 2014, 98, 1368-1373. | 2.1 | 213 |
| 62 | ERK1/2/COX-2/PGE2 signaling pathway mediates GPR91-dependent VEGF release in streptozotocin-induced diabetes. <i>Molecular Vision</i> , 2014, 20, 1109-21. | 1.1 | 42 |
| 63 | Inhibition of high glucose-induced VEGF release in retinal ganglion cells by RNA interference targeting G protein-coupled receptor 91. <i>Experimental Eye Research</i> , 2013, 109, 31-39. | 1.2 | 36 |
| 64 | Modeling of the fibrin agarose plate assay and its application for thrombolytic analysis. <i>Science Bulletin</i> , 2012, 57, 3233-3238. | 1.7 | 3 |
| 65 | Evaluating corneal flap thickness following laser in situ keratomileusis with the moria M2 90- μ m single-use-head microkeratome. <i>Japanese Journal of Ophthalmology</i> , 2008, 52, 505-506. | 0.9 | 1 |
| 66 | Expression of ciliary neurotrophic factor after induction of ocular hypertension in the retina of rats. <i>Chinese Medical Journal</i> , 2007, 120, 1825-9. | 0.9 | 4 |