# Shizuo Mukai

List of Publications by Year
in descending order



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|---|---|---|---|
| 83 papers | 3,638 citations | 186265 28 h-index | 133252 59 g-index |
| 83 all docs | 83 docs citations | 83 times ranked | 3363 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mutations in the human retinal degeneration slow gene in autosomal dominant retinitis pigmentosa. Nature, 1991, 354, 480-483. | 27.8 | 516 |
| 2 | Transgenic mice with a rhodopsin mutation (Pro23His): A mouse model of autosomal dominant retinitis pigmentosa. Neuron, 1992, 9, 815-830. | 8.1 | 420 |
| 3 | Cooperative tumorigenic effects of germline mutations in Rb and p53. Nature Genetics, 1994, 7, 480-484. | 21.4 | 379 |
| 4 | Parental origin of mutations of the retinoblastoma gene. Nature, 1989, 339, 556-558. | 27.8 | 228 |
| 5 | miR-17â^¼92 cooperates with RB pathway mutations to promote retinoblastoma. Genes and Development, 2011, 25, 1734-1745. | 5.9 | 164 |
| 6 | Second nonocular tumors among survivors of retinoblastoma treated with contemporary photon and proton radiotherapy. Cancer, 2014, 120, 126-133. | 4.1 | 141 |
| 7 | Simple, Inexpensive Technique for High-Quality Smartphone Fundus Photography in Human and Animal Eyes. Journal of Ophthalmology, 2013, 2013, 1-5. | 1.3 | 133 |
| 8 | Is neutralizing vitreal growth factors a viable strategy to prevent proliferative vitreoretinopathy?. Progress in Retinal and Eye Research, 2014, 40, 16-34. | 15.5 | 127 |
| 9 | The Wnt Signaling Pathway in Familial Exudative Vitreoretinopathy and Norrie Disease. Seminars in Ophthalmology, 2007, 22, 211-217. | 1.6 | 73 |
| 10 | Murine bilateral retinoblastoma exhibiting rapid-onset, metastatic progression and N-myc gene amplification. EMBO Journal, 2007, 26, 784-794. | 7.8 | 69 |
| 11 | Long-term Follow-up and Outcomes in Traumatic Macular Holes. American Journal of Ophthalmology, 2015, 160, 1255-1258.e1. | 3.3 | 65 |
| 12 | Smartphone Photography Safety. Ophthalmology, 2012, 119, 2200-2201. | 5.2 | 55 |
| 13 | A Novel Strategy to Develop Therapeutic Approaches to Prevent Proliferative Vitreoretinopathy. American Journal of Pathology, 2011, 179, 2931-2940. | 3.8 | 54 |
| 14 | Late-Onset Retinal Findings and Complications in Untreated Retinopathy of Prematurity. Ophthalmology Retina, 2020, 4, 602-612. | 2.4 | 50 |
| 15 | Loss of alleles at polymorphic loci on chromosome 2 in uveal melanoma. Cancer Genetics and Cytogenetics, 1986, 22, 45-53. | 1.0 | 49 |
| 16 | Editing VEGFR2 Blocks VEGF-Induced Activation of Akt and Tube Formation. , 2017, 58, 1228. | | 47 |
| 17 | Molecular Genetics ofRB1â€”â€”The Retinoblastoma Gene. Seminars in Ophthalmology, 2007, 22, 247-254. | 1.6 | 46 |
| 18 | Proton Radiation Therapy for the Treatment ofÂRetinoblastoma. International Journal of Radiation Oncology Biology Physics, 2014, 90, 863-869. | 0.8 | 46 |

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|---|---|---|---|
| 19 | Visual outcomes of vitreoretinal surgery in eyes with severe open-globe injury presenting with no-light-perception vision. Graefe's Archive for Clinical and Experimental Ophthalmology, 2009, 247, 477-483. | 1.9 | 45 |
| 20 | Ranibizumab Is a Potential Prophylaxis for Proliferative Vitreoretinopathy, a Nonangiogenic Blinding Disease. American Journal of Pathology, 2013, 182, 1659-1670. | 3.8 | 45 |
| 21 | Diagnosis, Classification, and Treatment of Retinoblastoma. International Ophthalmology Clinics, 2008, 48, 135-147. | 0.7 | 38 |
| 22 | Vascular Endothelial Growth Factor Acts Primarily via Platelet-Derived Growth Factor Receptor Î± to Promote Proliferative Vitreoretinopathy. American Journal of Pathology, 2014, 184, 3052-3068. | 3.8 | 36 |
| 23 | Linkage Between the X-linked Retinitis Pigmentosa Locus and the L1.28 Locus. American Journal of Ophthalmology, 1985, 100, 225-229. | 3.3 | 33 |
| 24 | Stargardt's Disease and theABCRGene. Seminars in Ophthalmology, 2008, 23, 59-65. | 1.6 | 33 |
| 25 | A Novel Function of p53. American Journal of Pathology, 2012, 181, 866-874. | 3.8 | 32 |
| 26 | Immediate Sequential Bilateral Pediatric Vitreoretinal Surgery. Ophthalmology, 2016, 123, 1802-1808. | 5.2 | 32 |
| 27 | RHEGMATOGENOUS RETINAL DETACHMENT IN EYES WITH UVEAL MELANOMA. Retina, 1996, 16, 488-496. | 1.7 | 31 |
| 28 | Elevated intraocular pressure secondary to rhegmatogenous retinal detachment. Survey of Ophthalmology, 1994, 39, 234-240. | 4.0 | 30 |
| 29 | Linkage of Genes for Human Esterase D and Hereditary Retinoblastoma. American Journal of Ophthalmology, 1984, 97, 681-685. | 3.3 | 29 |
| 30 | Retinopathy of Prematurity: Pathogenesis, Diagnosis, and Treatment. International Ophthalmology Clinics, 1992, 32, 163-184. | 0.7 | 28 |
| 31 | Colorimetric and Longitudinal Analysis of Leukocoria in Recreational Photographs of Children with Retinoblastoma. PLoS ONE, 2013, 8, e76677. | 2.5 | 25 |
| 32 | Autonomous early detection of eye disease in childhood photographs. Science Advances, 2019, 5, eaax6363. | 10.3 | 25 |
| 33 | X-linked Juvenile Retinoschisis (XLRS): A Review of Genotype-Phenotype Relationships. Seminars in Ophthalmology, 2013, 28, 392-396. | 1.6 | 24 |
| 34 | A Portable, Inexpensive, Nonmydriatic Fundus Camera Based on the Raspberry PiÂ® Computer. Journal of Ophthalmology, 2017, 2017, 1-5. | 1.3 | 23 |
| 35 | Characterization of Epiretinal Proliferation in Full-Thickness Macular Holes and Effects on Surgical Outcomes. Ophthalmology Retina, 2019, 3, 694-702. | 2.4 | 23 |
| 36 | PI3KÎ´ as a Novel Therapeutic Target in Pathological Angiogenesis. Diabetes, 2020, 69, 736-748. | 0.6 | 22 |

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|---|---|---|---|
| 37 | POSTERIOR UVEAL MELANOMA IN YOUNG PATIENTS TREATED WITH PROTON BEAM THERAPY. Retina, 2010, 30, 1267-1271. | 1.7 | 21 |
| 38 | RasGAP Promotes Autophagy and Thereby Suppresses Platelet-Derived Growth Factor Receptor-Mediated Signaling Events, Cellular Responses, and Pathology. Molecular and Cellular Biology, 2015, 35, 1673-1685. | 2.3 | 21 |
| 39 | Posterior Segment Intraocular Foreign Bodies. International Ophthalmology Clinics, 1995, 35, 151-161. | 0.7 | 19 |
| 40 | New Insights Into the Development of Infantile Intraocular Medulloepithelioma. American Journal of Ophthalmology, 2014, 158, 1275-1296.e1. | 3.3 | 19 |
| 41 | SticklerÊ¼s Syndrome. International Ophthalmology Clinics, 1993, 33, 271-280. | 0.7 | 18 |
| 42 | Familial Exudative Vitreoretinopathy. International Ophthalmology Clinics, 1993, 33, 237-248. | 0.7 | 17 |
| 43 | Retinal findings and a novel TINF2 mutation in Revesz syndrome: Clinical and molecular correlations with pediatric retinal vasculopathies. Ophthalmic Genetics, 2017, 38, 51-60. | 1.2 | 17 |
| 44 | Introduction of the MDM2 T309G Mutation in Primary Human Retinal Epithelial Cells Enhances Experimental Proliferative Vitreoretinopathy. , 2017, 58, 5361. | | 17 |
| 45 | Prevention of Proliferative Vitreoretinopathy by Suppression of Phosphatidylinositol 5-Phosphate 4-Kinases. , 2016, 57, 3935. | | 16 |
| 46 | High-Resolution Imaging by Adaptive Optics Scanning Laser Ophthalmoscopy Reveals Two Morphologically Distinct Types of Retinal Hard Exudates. Scientific Reports, 2016, 6, 33574. | 3.3 | 16 |
| 47 | Expanding the phenotypic spectrum in RDH12-associated retinal disease. Journal of Physical Education and Sports Management, 2020, 6, a004754. | 1.2 | 16 |
| 48 | Derepression of HMGA2 gene expression in retinoblastoma is associated with cell proliferation. Molecular Medicine, 2003, 9, 1. | 4.4 | 16 |
| 49 | Ocular Melanocytoma. International Ophthalmology Clinics, 2009, 49, 165-175. | 0.7 | 14 |
| 50 | SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY FINDINGS IN COATS DISEASE. Retina, 2019, 39, 1177-1185. | 1.7 | 14 |
| 51 | Coats' Disease. International Ophthalmology Clinics, 2008, 48, 149-158. | 0.7 | 13 |
| 52 | Unexpected sensitivity to radiation of fibroblasts from unaffected parents of children with hereditary retinoblastoma. International Journal of Cancer, 2002, 99, 764-768. | 5.1 | 12 |
| 53 | PARS PLANA VITRECTOMY IN EYES TREATED FOR RETINOBLASTOMA. Retina, 2006, 26, S53-S56. | 1.7 | 12 |
| 54 | Analysis of patient outcomes following proton radiation therapy for retinoblastoma. Advances in Radiation Oncology, 2017, 2, 44-52. | 1.2 | 12 |

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|---|---|---|---|
| 55 | Longitudinal Examination of Fellow-Eye Vascular Anomalies in Coats' Disease With Widefield Fluorescein Angiography: A Multicenter Study. Ophthalmic Surgery Lasers and Imaging Retina, 2019, 50, 221-227. | 0.7 | 12 |
| 56 | A Novel Treatment for Ocular Tumors Using Membrane FasL Vesicles to Activate Innate Immunity and Terminate Immune Privilege. , 2005, 46, 2495. | | 11 |
| 57 | Case 5-2006. New England Journal of Medicine, 2006, 354, 741-748. | 27.0 | 11 |
| 58 | Retinal and Choroidal Biopsy. International Ophthalmology Clinics, 2009, 49, 145-154. | 0.7 | 11 |
| 59 | Retinoblastoma: Genetics and Pathology. International Ophthalmology Clinics, 2009, 49, 155-164. | 0.7 | 11 |
| 60 | Biopsy of the Retina and the Choroid. International Ophthalmology Clinics, 1999, 39, 213-222. | 0.7 | 10 |
| 61 | Controversies in the Management of Retinopathy of Prematurity. International Ophthalmology Clinics, 1994, 34, 121-148. | 0.7 | 9 |
| 62 | von Hippel-Lindau Disease. International Ophthalmology Clinics, 2001, 41, 173-187. | 0.7 | 9 |
| 63 | Detection of retinal microvascular changes in von Hippel-Lindau disease using optical coherence tomography angiography. PLoS ONE, 2020, 15, e0229213. | 2.5 | 9 |
| 64 | Efficacy of Retinal Lesion Screening in Von Hippel-Lindau Patients With Widefield Color Fundus Imaging Versus Widefield FA. Ophthalmic Surgery Lasers and Imaging Retina, 2019, 50, e260-e265. | 0.7 | 7 |
| 65 | Emerging Chemotherapeutic Strategies in the Management of Intraocular Retinoblastoma. International Ophthalmology Clinics, 1997, 37, 201-214. | 0.7 | 5 |
| 66 | Molecular Genetic Diagnosis of Retinoblastoma. Seminars in Ophthalmology, 1993, 8, 292-299. | 1.6 | 4 |
| 67 | Retinopathy after percutaneous transluminal coronary angioplasty and stent insertion for acute myocardial infarction. American Journal of Ophthalmology, 2003, 136, 557-560. | 3.3 | 4 |
| 68 | HISTOLOGY OF RETINA OVERLYING BACTERIAL SUBRETINAL ABSCESS AND IMPLICATIONS FOR TREATMENT. Retinal Cases and Brief Reports, 2007, 1, 257-260. | 0.6 | 4 |
| 69 | Dystrophic hyaloid artery remnants and other abnormalities in a buphthalmic eye with retinoblastoma. Survey of Ophthalmology, 2014, 59, 636-642. | 4.0 | 3 |
| 70 | Genetic Basis of Color Vision. International Ophthalmology Clinics, 1993, 33, 141-152. | 0.7 | 2 |
| 71 | Management of Retinoblastoma. Seminars in Ophthalmology, 1993, 8, 281-291. | 1.6 | 2 |
| 72 | Long-term Follow-up and Outcomes in Traumatic Macular Holes. American Journal of Ophthalmology, 2016, 166, 206-207. | 3.3 | 2 |

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|---|---|---|---|
| 73 | Modern Surgical Techniques in the Management of Retinoblastoma. International Ophthalmology Clinics, 2017, 57, 195-218. | 0.7 | 2 |
| 74 | The Prevalence of Retinal Disease and Associated Central Nervous System Disease in Young Patients with Incontinentia Pigmenti. Ophthalmology Retina, 2022, , . | 2.4 | 2 |
| 75 | Stem Cells in Ophthalmology. International Ophthalmology Clinics, 2001, 41, 241-254. | 0.7 | 1 |
| 76 | Inherited Proliferative Vitreoretinopathies of Childhood. International Ophthalmology Clinics, 2008, 48, 159-174. | 0.7 | 1 |
| 77 | Association and Chance Occurrence of Aniridia and Retinoblastoma. American Journal of Ophthalmology, 1994, 118, 820-822. | 3.3 | 0 |
| 78 | Molecular Events in Tumor Formation. International Ophthalmology Clinics, 1997, 37, 215-232. | 0.7 | 0 |
| 79 | Early Neuroblastic and Astrocytic Differentiation Demonstrated Immunohistochemically in a Small Intraocular Medulloepithelioma. Ocular Oncology and Pathology, 2018, 4, 176-181. | 1.0 | 0 |
| 80 | Inexpensive and Open-Source Devices and Systems for Retinal Imaging. International Ophthalmology Clinics, 2020, 60, 35-45. | 0.7 | 0 |
| 81 | Endoscopic Cyclophotocoagulation in Boston Keratoprosthesis Type II. Ophthalmology Glaucoma, 2022, 5, 120-123. | 1.9 | 0 |
| 82 | Second non-ocular tumors among survivors of retinoblastoma treated with proton therapy.. Journal of Clinical Oncology, 2013, 31, 10018-10018. | 1.6 | 0 |
| 83 | Combined X-linked familial exudative vitreoretinopathy and retinopathy of prematurity phenotype in an infant with mosaic turner syndrome with ring X chromosome. Ophthalmic Genetics, 2023, 44, 198-203. | 1.2 | 0 |