

Young H Kwon

List of Publications by Year in descending order

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112
papers

5,156
citations

126907

33
h-index

114465

63
g-index

113
all docs

113
docs citations

113
times ranked

4769
citing authors

#	ARTICLE	IF	CITATIONS
1	Glaucoma Visual Function Assessment. , 2022, , 2073-2097.		0
2	Exome-based investigation of the genetic basis of human pigmentary glaucoma. BMC Genomics, 2021, 22, 477.	2.8	9
3	Nanophthalmos patient with a THR518MET mutation in MYRF, a case report. BMC Ophthalmology, 2020, 20, 388.	1.4	5
4	Glaucoma Visual Function Assessment. , 2020, , 1-26.		0
5	Choriocapillaris Degeneration in Geographic Atrophy. American Journal of Pathology, 2019, 189, 1473-1480.	3.8	48
6	The Heritability of Pigment Dispersion Syndrome and Pigmentary Glaucoma. American Journal of Ophthalmology, 2019, 202, 55-61.	3.3	16
7	Myocilin Mutations in Patients With Normal-Tension Glaucoma. JAMA Ophthalmology, 2019, 137, 559.	2.5	17
8	Glaucoma-associated corneal endothelial cell damage: A review. Survey of Ophthalmology, 2018, 63, 500-506.	4.0	77
9	A machine-learning graph-based approach for 3D segmentation of Bruchâ€™s membrane opening from glaucomatous SD-OCT volumes. Medical Image Analysis, 2017, 39, 206-217.	11.6	28
10	OCULAR HYPERTENSION AFTER INTRAVITREAL DEXAMETHASONE (OZURDEX) SUSTAINED-RELEASE IMPLANT. Retina, 2017, 37, 1345-1351.	1.7	37
11	Genomic Organization of TBK1 Copy Number Variations in Glaucoma Patients. Journal of Glaucoma, 2017, 26, 1063-1067.	1.6	6
12	Incorporation of gradient vector flow field in a multimodal graph-theoretic approach for segmenting the internal limiting membrane from glaucomatous optic nerve head-centered SD-OCT volumes. Computerized Medical Imaging and Graphics, 2017, 55, 87-94.	5.8	16
13	Optical Coherence Tomography Analysis Based Prediction of Humphrey 24-2 Visual Field Thresholds in Patients With Glaucoma. , 2017, 58, 3975.		34
14	Secondary glaucoma in CAPN5-associated neovascular inflammatory vitreoretinopathy. Clinical Ophthalmology, 2016, Volume 10, 1187-1197.	1.8	10
15	SQSTM1 Mutations and Glaucoma. PLoS ONE, 2016, 11, e0156001.	2.5	9
16	Multimodal registration of SD-OCT volumes and fundus photographs using histograms of oriented gradients. Biomedical Optics Express, 2016, 7, 5252.	2.9	21
17	The Utility of Diaton Tonometer Measurements in Patients With Ocular Hypertension, Glaucoma, and Glaucoma Tube Shunts: A Preliminary Study for its Potential Use in Keratoprosthesis Patients. Journal of Glaucoma, 2016, 25, 643-647.	1.6	19
18	Boston Type 1 Keratoprosthesis. Cornea, 2016, 35, 1165-1174.	1.7	45

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19	Sustained Delivery of Timolol Maleate for Over 90 Days by Subconjunctival Injection. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 642-649.	1.4	12
20	Boston type 1 keratoprosthesis for primary congenital glaucoma. British Journal of Ophthalmology, 2016, 100, 328-331.	3.9	8
21	Management of Pediatric Aphakic Glaucoma With Vitrectomy and Tube Shunts. Journal of Pediatric Ophthalmology and Strabismus, 2016, 53, 339-343.	0.7	8
22	Glaucomas: Uveitic Glaucoma. , 2016, , 447-456.		0
23	Tank-Binding Kinase 1 () Gene and Open-Angle Glaucomas (An American Ophthalmological Society) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	14
24	Boston Type 1 Keratoprosthesis for Iridocorneal Endothelial Syndromes. Cornea, 2015, 34, 1383-1386.	1.7	8
25	Heterozygous Triplication of Upstream Regulatory Sequences Leads to Dysregulation of Matrix Metalloproteinase 19 in Patients with Cavitory Optic Disc Anomaly. Human Mutation, 2015, 36, 369-378.	2.5	10
26	Movement of Retinal Vessels to Optic Nerve Head with Intraocular Pressure Elevation in a Child. Ophthalmology, 2015, 122, 1532-1534.	5.2	3
27	Multimodal Segmentation of Optic Disc and Cup From SD-OCT and Color Fundus Photographs Using a Machine-Learning Graph-Based Approach. IEEE Transactions on Medical Imaging, 2015, 34, 1854-1866.	8.9	62
28	Relationships of Retinal Structure and Humphrey 24-2 Visual Field Thresholds in Patients With Glaucoma. Investigative Ophthalmology and Visual Science, 2015, 56, 259-271.	3.3	43
29	Multi-Surface and Multi-Field Co-Segmentation of 3-D Retinal Optical Coherence Tomography. IEEE Transactions on Medical Imaging, 2014, 33, 2242-2253.	8.9	29
30	Graft Survival Versus Glaucoma Treatment After Penetrating or Descemet Stripping Automated Endothelial Keratoplasty. Cornea, 2014, 33, 785-789.	1.7	27
31	Automated 3D Segmentation of Multiple Surfaces with a Shared Hole: Segmentation of the Neural Canal Opening in SD-OCT Volumes. Lecture Notes in Computer Science, 2014, 17, 739-746.	1.3	16
32	Identification of Proteins that Interact with TANK Binding Kinase 1 and Testing for Mutations Associated with Glaucoma. Current Eye Research, 2013, 38, 310-315.	1.5	7
33	A combined machine-learning and graph-based framework for the segmentation of retinal surfaces in SD-OCT volumes. Biomedical Optics Express, 2013, 4, 2712.	2.9	46
34	Multimodal segmentation of optic disc and cup from stereo fundus and SD-OCT images. Proceedings of SPIE, 2013, , .	0.8	8
35	Circumferential Iris Transillumination Defects in Exfoliation Syndrome. Journal of Glaucoma, 2013, 22, 555-558.	1.6	9
36	Reproducibility of SD-OCT-Based Ganglion Cell Layer Thickness in Glaucoma Using Two Different Segmentation Algorithms. , 2013, 54, 6998.		22

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37	Adjustment of the Retinal Angle in SD-OCT of Glaucomatous Eyes Provides Better Intervisit Reproducibility of Peripapillary RNFL Thickness. , 2013, 54, 4808.		12
38	Analysis of ASB10 variants in open angle glaucoma. Human Molecular Genetics, 2012, 21, 4543-4548.	2.9	20
39	Distribution of Damage to the Entire Retinal Ganglion Cell Pathway. JAMA Ophthalmology, 2012, 130, 1118.	2.4	23
40	Incorporation of texture-based features in optimal graph-theoretic approach with application to the 3D segmentation of intraretinal surfaces in SD-OCT volumes. , 2012, , .		7
41	2-D Pattern of Nerve Fiber Bundles in Glaucoma Emerging from Spectral-Domain Optical Coherence Tomography. , 2012, 53, 483.		20
42	Glaucoma therapy escalation in eyes with pseudophakic corneal edema after penetrating keratoplasty and Descemet's stripping automated endothelial keratoplasty. International Ophthalmology, 2012, 32, 9-14.	1.4	21
43	Localization of SH3PXD2B in human eyes and detection of rare variants in patients with anterior segment diseases and glaucoma. Molecular Vision, 2012, 18, 705-13.	1.1	8
44	Automated 3-D method for the correction of axial artifacts in spectral-domain optical coherence tomography images. Biomedical Optics Express, 2011, 2, 2403.	2.9	67
45	Unilateral congenital glaucoma in a child with optic nerve aplasia. Journal of AAPOS, 2011, 15, 200-202.	0.3	1
46	Juvenile xanthogranulomatosis with bilateral and multifocal ocular lesions of the iris, corneal scleral limbus, and choroid. Journal of AAPOS, 2011, 15, 598-600.	0.3	18
47	Robust Multiscale Stereo Matching from Fundus Images with Radiometric Differences. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 2245-2258.	13.9	34
48	Vision Loss After Inadvertent Corneal Perforation During Lid Anesthesia. Ophthalmic Plastic and Reconstructive Surgery, 2011, 27, e141-e142.	0.8	21
49	Genome-wide analysis of copy number variants in age-related macular degeneration. Human Genetics, 2011, 129, 91-100.	3.8	36
50	Independent component analysis using prior information for signal detection in a functional imaging system of the retina. Medical Image Analysis, 2011, 15, 35-44.	11.6	12
51	Copy Number Variations and Primary Open-Angle Glaucoma. , 2011, 52, 7122.		31
52	Copy number variations on chromosome 12q14 in patients with normal tension glaucoma. Human Molecular Genetics, 2011, 20, 2482-2494.	2.9	189
53	Chromosome 7q31 POAG locus: ocular expression of caveolins and lack of association with POAG in a US cohort. Molecular Vision, 2011, 17, 430-5.	1.1	41
54	3D reconstruction of the optic nerve head using stereo fundus images for computer-aided diagnosis of glaucoma. , 2010, , .		8

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55	Escalation of Glaucoma Therapy After Deep Lamellar Endothelial Keratoplasty. <i>Cornea</i> , 2010, 29, 991-995.	1.7	13
56	Exogenous modulation of intrinsic optic nerve neuroprotective activity. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2010, 248, 1105-1116.	1.9	16
57	Segmentation of the Optic Disc in 3-D OCT Scans of the Optic Nerve Head. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 159-168.	8.9	144
58	Automated Segmentation of Neural Canal Opening and Optic Cup in 3D Spectral Optical Coherence Tomography Volumes of the Optic Nerve Head. , 2010, 51, 5708.		79
59	Automated Quantification of Inherited Phenotypes from Color Images: A Twin Study of the Variability of Optic Nerve Head Shape. , 2010, 51, 5870.		8
60	Automated 3D segmentation of intraretinal layers from optic nerve head optical coherence tomography images. <i>Proceedings of SPIE</i> , 2010, , .	0.8	20
61	Glaucomas: Uveitic Glaucoma. , 2010, , 371-378.		0
62	Stimulus-Evoked Intrinsic Optical Signals in the Retina: Spatial and Temporal Characteristics. , 2009, 50, 4865.		32
63	3-D segmentation of the rim and cup in spectral-domain optical coherence tomography volumes of the optic nerve head. <i>Proceedings of SPIE</i> , 2009, , .	0.8	12
64	Automated Segmentation of the Cup and Rim from Spectral Domain OCT of the Optic Nerve Head. , 2009, 50, 5778.		82
65	Stimulus-Evoked Intrinsic Optical Signals in the Retina: Pharmacologic Dissection Reveals Outer Retinal Origins. , 2009, 50, 4873.		21
66	Noninvasive functional imaging of the retina reveals outer retinal and hemodynamic intrinsic optical signal origins. <i>Japanese Journal of Ophthalmology</i> , 2009, 53, 334-344.	1.9	18
67	Primary Open-Angle Glaucoma. <i>New England Journal of Medicine</i> , 2009, 360, 1113-1124.	27.0	747
68	Variance Owing to Observer, Repeat Imaging, and Fundus Camera Type on Cup-to-disc Ratio Estimates by Stereo Planimetry. <i>Journal of Glaucoma</i> , 2009, 18, 305-310.	1.6	21
69	Graft failure: III. Glaucoma escalation after penetrating keratoplasty. <i>International Ophthalmology</i> , 2008, 28, 191-207.	1.4	62
70	Disruption of the complement cascade delays retinal ganglion cell death following retinal ischemia-reperfusion. <i>Experimental Eye Research</i> , 2008, 87, 89-95.	2.6	62
71	Neuroglobin and Cytoglobin Distribution in the Anterior Eye Segment. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 863-872.	2.5	20
72	Patterns of Distribution of Oxygen-Binding Globins, Neuroglobin and Cytoglobin in Human Retina. <i>JAMA Ophthalmology</i> , 2008, 126, 1530.	2.4	23

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73	Automated Segmentation of the Optic Disc from Stereo Color Photographs Using Physiologically Plausible Features. , 2007, 48, 1665.		275
74	No Association Between Variations in the WDR36 Gene and Primary Open-Angle Glaucoma. JAMA Ophthalmology, 2007, 125, 434.	2.4	58
75	Independent component analysis for the detection of in-vivo intrinsic signals from an optical imager of retinal function. , 2007, , .		1
76	Diurnal Fluctuation and Concordance of Intraocular Pressure in Glaucoma Suspects and Normal Tension Glaucoma Patients. Journal of Glaucoma, 2007, 16, 307-312.	1.6	38
77	Concordance of Diurnal Intraocular Pressure between Fellow Eyes in Primary Open-Angle Glaucoma. Ophthalmology, 2007, 114, 915-920.	5.2	37
78	LOXL1 Mutations Are Associated with Exfoliation Syndrome in Patients from the Midwestern United States. American Journal of Ophthalmology, 2007, 144, 974-975.e1.	3.3	111
79	Spatiotemporal Independent Component Analysis for the Detection of Functional Responses in Cat Retinal Images. IEEE Transactions on Medical Imaging, 2007, 26, 1035-1045.	8.9	11
80	Visual Stimulus-Induced Changes in Human Near-Infrared Fundus Reflectance. , 2006, 47, 715.		86
81	Morphological integration and functional assessment of transplanted neural progenitor cells in healthy and acute ischemic rat eyes. Experimental Eye Research, 2006, 82, 597-607.	2.6	30
82	Retinal synthesis and deposition of complement components induced by ocular hypertension. Experimental Eye Research, 2006, 83, 620-628.	2.6	139
83	Neuroglobin and Cytochrome b5: Oxygen-Binding Proteins in Retinal Neurons. Investigative Ophthalmology and Visual Science, 2006, 47, 1016-1023.	3.3	56
84	Detection of low-amplitude in vivo intrinsic signals from an optical imager of retinal function. , 2006, , .		8
85	The C677T Variant in the Methylenetetrahydrofolate Reductase Gene Is Not Associated with Disease in Cohorts of Pseudoexfoliation Glaucoma and Primary Open-Angle Glaucoma Patients from Iowa. Ophthalmic Genetics, 2006, 27, 39-41.	1.2	22
86	Retinal Ganglion Cell Death in Glaucoma: Mechanisms and Neuroprotective Strategies. Ophthalmology Clinics of North America, 2005, 18, 383-395.	1.8	192
87	Memantine and Progressive Glaucoma. Journal of Glaucoma, 2005, 14, 84-86.	1.6	17
88	Quantitative correlation of elevated intraocular pressure with relative afferent pupillary defect change in unilateral glaucoma. Acta Ophthalmologica, 2005, 83, 127-129.	0.3	3
89	Functional evaluation of retina and optic nerve in the rat model of chronic ocular hypertension. Experimental Eye Research, 2004, 79, 75-83.	2.6	45
90	Atypical pigment dispersion syndrome in a child. American Journal of Ophthalmology, 2004, 137, 753-756.	3.3	5

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91	Functional Characterization of Retina and Optic Nerve after Acute Ocular Ischemia in Rats. , 2003, 44, 2597.		77
92	A family with Axenfeldâ€“Rieger syndrome and Peters Anomaly caused by a point mutation (Phe112Ser) in the FOXC1 gene. American Journal of Ophthalmology, 2003, 135, 368-375.	3.3	128
93	Evaluation of optineurin sequence variations in 1,048 patients with open-angle glaucoma. American Journal of Ophthalmology, 2003, 136, 904-910.	3.3	164
94	Temporary elevation of the intraocular pressure by cauterization of vortex and episcleral veins in rats causes functional deficits in the retina and optic nerve. Experimental Eye Research, 2003, 77, 27-33.	2.6	62
95	Characterization of the pupil light reflex, electroretinogram and tonometric parameters in healthy mouse eyes. Current Eye Research, 2003, 26, 371-378.	1.5	26
96	Laser-Induced Mouse Model of Chronic Ocular Hypertension. , 2003, 44, 4337.		118
97	Vitreous Amino Acid Concentrations in Patients With Glaucoma Undergoing Vitrectomy. JAMA Ophthalmology, 2003, 121, 183.	2.4	116
98	Feature extraction and segmentation in medical images by statistical optimization and point operation approaches. , 2003, 5032, 1676.		2
99	Blind source separation in retinal videos. , 2003, 5032, 1591.		7
100	Rate of Optic Disc Cup Progression in Treated Primary Open-Angle Glaucoma. Journal of Glaucoma, 2003, 12, 409-416.	1.6	30
101	Ethnic Differences in the Systemic Pharmacology for Ophthalmologists. International Ophthalmology Clinics, 2003, 43, 27-38.	0.7	1
102	<title>Optical imaging device of retinal function</title>. , 2002, , .		11
103	Variations in the Myocilin Gene in Patients With Open-Angle Glaucoma. JAMA Ophthalmology, 2002, 120, 1189.	2.4	96
104	Progressive axial myopia in a juvenile patient with traumatic glaucoma. American Journal of Ophthalmology, 2002, 133, 700-702.	3.3	2
105	A case-control comparison of the clinical characteristics of glaucoma and ocular hypertensive patients with and without the myocilin Gln368Stop mutation11Internet Advance publication at ajo.com Sept 6, 2002.. American Journal of Ophthalmology, 2002, 134, 884-890.	3.3	25
106	Digital stereo image analyzer for generating automated 3-D measures of optic disc deformation in glaucoma. IEEE Transactions on Medical Imaging, 2002, 21, 1244-1253.	8.9	62
107	Characterization of the pupil light reflex, electroretinogram and tonometric parameters in healthy rat eyes. Current Eye Research, 2002, 25, 69-78.	1.5	26
108	Rate and pattern of visual field decline in primary open-angle glaucoma. Ophthalmology, 2002, 109, 2232-2240.	5.2	36

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109	Rate of visual field loss and long-term visual outcome in primary open-angle glaucoma. American Journal of Ophthalmology, 2001, 132, 47-56.	3.3	132
110	Apparent central nervous system depression in infants after the use of topical brimonidine. American Journal of Ophthalmology, 1999, 128, 255-256.	3.3	87
111	Test-retest variability of blue-on-yellow perimetry is greater than white-on-white perimetry in normal subjects. American Journal of Ophthalmology, 1998, 126, 29-36.	3.3	48
112	Induction of Topoisomerase II-Mediated DNA Cleavage by a Protoberberine Alkaloid, Berberrubine. Biochemistry, 1998, 37, 16316-16324.	2.5	87