

# 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	Primary Open-Angle Glaucoma. <i>New England Journal of Medicine</i> , 2009, 360, 1113-1124.	27.0	747
2	Automated Segmentation of the Optic Disc from Stereo Color Photographs Using Physiologically Plausible Features. , 2007, 48, 1665.		275
3	Retinal Ganglion Cell Death in Glaucoma: Mechanisms and Neuroprotective Strategies. <i>Ophthalmology Clinics of North America</i> , 2005, 18, 383-395.	1.8	192
4	Copy number variations on chromosome 12q14 in patients with normal tension glaucoma. <i>Human Molecular Genetics</i> , 2011, 20, 2482-2494.	2.9	189
5	Evaluation of optineurin sequence variations in 1,048 patients with open-angle glaucoma. <i>American Journal of Ophthalmology</i> , 2003, 136, 904-910.	3.3	164
6	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
7	Retinal synthesis and deposition of complement components induced by ocular hypertension. <i>Experimental Eye Research</i> , 2006, 83, 620-628.	2.6	139
8	Rate of visual field loss and long-term visual outcome in primary open-angle glaucoma. <i>American Journal of Ophthalmology</i> , 2001, 132, 47-56.	3.3	132
9	A family with Axenfeldâ€“Rieger syndrome and Peters Anomaly caused by a point mutation (Phe112Ser) in the FOXC1 gene. <i>American Journal of Ophthalmology</i> , 2003, 135, 368-375.	3.3	128
10	Laser-Induced Mouse Model of Chronic Ocular Hypertension. , 2003, 44, 4337.		118
11	Vitreous Amino Acid Concentrations in Patients With Glaucoma Undergoing Vitrectomy. <i>JAMA Ophthalmology</i> , 2003, 121, 183.	2.4	116
12	LOXL1 Mutations Are Associated with Exfoliation Syndrome in Patients from the Midwestern United States. <i>American Journal of Ophthalmology</i> , 2007, 144, 974-975.e1.	3.3	111
13	Variations in the Myocilin Gene in Patients With Open-Angle Glaucoma. <i>JAMA Ophthalmology</i> , 2002, 120, 1189.	2.4	96
14	Induction of Topoisomerase II-Mediated DNA Cleavage by a Protoberberine Alkaloid, Berberrubineâ€“. <i>Biochemistry</i> , 1998, 37, 16316-16324.	2.5	87
15	Apparent central nervous system depression in infants after the use of topical brimonidine. <i>American Journal of Ophthalmology</i> , 1999, 128, 255-256.	3.3	87
16	Visual Stimulusâ€“Induced Changes in Human Near-Infrared Fundus Reflectance. , 2006, 47, 715.		86
17	Automated Segmentation of the Cup and Rim from Spectral Domain OCT of the Optic Nerve Head. , 2009, 50, 5778.		82
18	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

#	ARTICLE	IF	CITATIONS
19	Functional Characterization of Retina and Optic Nerve after Acute Ocular Ischemia in Rats. , 2003, 44, 2597.		77
20	Glaucoma-associated corneal endothelial cell damage: A review. Survey of Ophthalmology, 2018, 63, 500-506.	4.0	77
21	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
22	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
23	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
24	Graft failure: III. Glaucoma escalation after penetrating keratoplasty. International Ophthalmology, 2008, 28, 191-207.	1.4	62
25	Disruption of the complement cascade delays retinal ganglion cell death following retinal ischemia-reperfusion. Experimental Eye Research, 2008, 87, 89-95.	2.6	62
26	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
27	No Association Between Variations in the WDR36 Gene and Primary Open-Angle Glaucoma. JAMA Ophthalmology, 2007, 125, 434.	2.4	58
28	Neuroglobin and Cytochrome b5: Oxygen-Binding Proteins in Retinal Neurons. Investigative Ophthalmology and Visual Science, 2006, 47, 1016-1023.	3.3	56
29	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
30	Choriocapillaris Degeneration in Geographic Atrophy. American Journal of Pathology, 2019, 189, 1473-1480.	3.8	48
31	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
32	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
33	Boston Type 1 Keratoprosthesis. Cornea, 2016, 35, 1165-1174.	1.7	45
34	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
35	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
36	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

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37	Concordance of Diurnal Intraocular Pressure between Fellow Eyes in Primary Open-Angle Glaucoma. <i>Ophthalmology</i> , 2007, 114, 915-920.	5.2	37
38	OCULAR HYPERTENSION AFTER INTRAVITREAL DEXAMETHASONE (OZURDEX) SUSTAINED-RELEASE IMPLANT. <i>Retina</i> , 2017, 37, 1345-1351.	1.7	37
39	Rate and pattern of visual field decline in primary open-angle glaucoma. <i>Ophthalmology</i> , 2002, 109, 2232-2240.	5.2	36
40	Genome-wide analysis of copy number variants in age-related macular degeneration. <i>Human Genetics</i> , 2011, 129, 91-100.	3.8	36
41	Robust Multiscale Stereo Matching from Fundus Images with Radiometric Differences. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011, 33, 2245-2258.	13.9	34
42	Optical Coherence Tomography Analysis Based Prediction of Humphrey 24-2 Visual Field Thresholds in Patients With Glaucoma. , 2017, 58, 3975.		34
43	Stimulus-Evoked Intrinsic Optical Signals in the Retina: Spatial and Temporal Characteristics. , 2009, 50, 4865.		32
44	Copy Number Variations and Primary Open-Angle Glaucoma. , 2011, 52, 7122.		31
45	Rate of Optic Disc Cup Progression in Treated Primary Open-Angle Glaucoma. <i>Journal of Glaucoma</i> , 2003, 12, 409-416.	1.6	30
46	Morphological integration and functional assessment of transplanted neural progenitor cells in healthy and acute ischemic rat eyes. <i>Experimental Eye Research</i> , 2006, 82, 597-607.	2.6	30
47	Multi-Surface and Multi-Field Co-Segmentation of 3-D Retinal Optical Coherence Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 2242-2253.	8.9	29
48	A machine-learning graph-based approach for 3D segmentation of Bruchâ€™s membrane opening from glaucomatous SD-OCT volumes. <i>Medical Image Analysis</i> , 2017, 39, 206-217.	11.6	28
49	Graft Survival Versus Glaucoma Treatment After Penetrating or Descemet Stripping Automated Endothelial Keratoplasty. <i>Cornea</i> , 2014, 33, 785-789.	1.7	27
50	Characterization of the pupil light reflex, electroretinogram and tonometric parameters in healthy rat eyes. <i>Current Eye Research</i> , 2002, 25, 69-78.	1.5	26
51	Characterization of the pupil light reflex, electroretinogram and tonometric parameters in healthy mouse eyes. <i>Current Eye Research</i> , 2003, 26, 371-378.	1.5	26
52	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.. <i>American Journal of Ophthalmology</i> , 2002, 134, 884-890.	3.3	25
53	Patterns of Distribution of Oxygen-Binding Globins, Neuroglobin and Cytochrome b5 in Human Retina. <i>JAMA Ophthalmology</i> , 2008, 126, 1530.	2.4	23
54	Distribution of Damage to the Entire Retinal Ganglion Cell Pathway. <i>JAMA Ophthalmology</i> , 2012, 130, 1118.	2.4	23

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55	The C677T Variant in the Methylentetrahydrofolate Reductase Gene Is Not Associated with Disease in Cohorts of Pseudoexfoliation Glaucoma and Primary Open-Angle Glaucoma Patients from Iowa. <i>Ophthalmic Genetics</i> , 2006, 27, 39-41.	1.2	22
56	Reproducibility of SD-OCT-Based Ganglion Cell Layer Thickness in Glaucoma Using Two Different Segmentation Algorithms. , 2013, 54, 6998.		22
57	Stimulus-Evoked Intrinsic Optical Signals in the Retina: Pharmacologic Dissection Reveals Outer Retinal Origins. , 2009, 50, 4873.		21
58	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
59	Vision Loss After Inadvertent Corneal Perforation During Lid Anesthesia. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2011, 27, e141-e142.	0.8	21
60	Glaucoma therapy escalation in eyes with pseudophakic corneal edema after penetrating keratoplasty and Descemet's stripping automated endothelial keratoplasty. <i>International Ophthalmology</i> , 2012, 32, 9-14.	1.4	21
61	Multimodal registration of SD-OCT volumes and fundus photographs using histograms of oriented gradients. <i>Biomedical Optics Express</i> , 2016, 7, 5252.	2.9	21
62	Neuroglobin and Cytochrome Distribution in the Anterior Eye Segment. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 863-872.	2.5	20
63	Automated 3D segmentation of intraretinal layers from optic nerve head optical coherence tomography images. <i>Proceedings of SPIE</i> , 2010, , .	0.8	20
64	Analysis of ASB10 variants in open angle glaucoma. <i>Human Molecular Genetics</i> , 2012, 21, 4543-4548.	2.9	20
65	2-D Pattern of Nerve Fiber Bundles in Glaucoma Emerging from Spectral-Domain Optical Coherence Tomography. , 2012, 53, 483.		20
66	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. <i>Journal of Glaucoma</i> , 2016, 25, 643-647.	1.6	19
67	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
68	Juvenile xanthogranulomatosis with bilateral and multifocal ocular lesions of the iris, corneal scleral limbus, and choroid. <i>Journal of AAPOS</i> , 2011, 15, 598-600.	0.3	18
69	Memantine and Progressive Glaucoma. <i>Journal of Glaucoma</i> , 2005, 14, 84-86.	1.6	17
70	Myocilin Mutations in Patients With Normal-Tension Glaucoma. <i>JAMA Ophthalmology</i> , 2019, 137, 559.	2.5	17
71	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
72	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. <i>Computerized Medical Imaging and Graphics</i> , 2017, 55, 87-94.	5.8	16

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73	The Heritability of Pigment Dispersion Syndrome and Pigmentary Glaucoma. American Journal of Ophthalmology, 2019, 202, 55-61.	3.3	16
74	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
75	Tank-Binding Kinase 1 ( ) Gene and Open-Angle Glaucomas (An American Ophthalmological Society) Tj ETQq1 1 0.784314 rgBT /Overlaid	1.4	14
76	Escalation of Glaucoma Therapy After Deep Lamellar Endothelial Keratoplasty. Cornea, 2010, 29, 991-995.	1.7	13
77	3-D segmentation of the rim and cup in spectral-domain optical coherence tomography volumes of the optic nerve head. Proceedings of SPIE, 2009, , .	0.8	12
78	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
79	Adjustment of the Retinal Angle in SD-OCT of Glaucomatous Eyes Provides Better Intervisit Reproducibility of Peripapillary RNFL Thickness. , 2013, 54, 4808.		12
80	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
81	<title>Optical imaging device of retinal function</title>. , 2002, , .		11
82	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
83	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
84	Secondary glaucoma in <em>&lt;/em>CAPN5</em>-associated neovascular inflammatory vitreoretinopathy. Clinical Ophthalmology, 2016, Volume 10, 1187-1197.	1.8	10
85	Circumferential Iris Transillumination Defects in Exfoliation Syndrome. Journal of Glaucoma, 2013, 22, 555-558.	1.6	9
86	SQSTM1 Mutations and Glaucoma. PLoS ONE, 2016, 11, e0156001.	2.5	9
87	Exome-based investigation of the genetic basis of human pigmentary glaucoma. BMC Genomics, 2021, 22, 477.	2.8	9
88	Detection of low-amplitude in vivo intrinsic signals from an optical imager of retinal function. , 2006, , .		8
89	3D reconstruction of the optic nerve head using stereo fundus images for computer-aided diagnosis of glaucoma. , 2010, , .		8
90	Automated Quantification of Inherited Phenotypes from Color Images: A Twin Study of the Variability of Optic Nerve Head Shape. , 2010, 51, 5870.		8

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91	Multimodal segmentation of optic disc and cup from stereo fundus and SD-OCT images. Proceedings of SPIE, 2013, , .	0.8	8
92	Boston Type 1 Keratoprosthesis for Iridocorneal Endothelial Syndromes. Cornea, 2015, 34, 1383-1386.	1.7	8
93	Boston type 1 keratoprosthesis for primary congenital glaucoma. British Journal of Ophthalmology, 2016, 100, 328-331.	3.9	8
94	Management of Pediatric Aphakic Glaucoma With Vitrectomy and Tube Shunts. Journal of Pediatric Ophthalmology and Strabismus, 2016, 53, 339-343.	0.7	8
95	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
96	Blind source separation in retinal videos. , 2003, 5032, 1591.		7
97	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
98	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
99	Genomic Organization of TBK1 Copy Number Variations in Glaucoma Patients. Journal of Glaucoma, 2017, 26, 1063-1067.	1.6	6
100	Atypical pigment dispersion syndrome in a child. American Journal of Ophthalmology, 2004, 137, 753-756.	3.3	5
101	Nanophthalmos patient with a THR518MET mutation in MYRF, a case report. BMC Ophthalmology, 2020, 20, 388.	1.4	5
102	Quantitative correlation of elevated intraocular pressure with relative afferent pupillary defect change in unilateral glaucoma. Acta Ophthalmologica, 2005, 83, 127-129.	0.3	3
103	Movement of Retinal Vessels to Optic Nerve Head with Intraocular Pressure Elevation in a Child. Ophthalmology, 2015, 122, 1532-1534.	5.2	3
104	Progressive axial myopia in a juvenile patient with traumatic glaucoma. American Journal of Ophthalmology, 2002, 133, 700-702.	3.3	2
105	Feature extraction and segmentation in medical images by statistical optimization and point operation approaches. , 2003, 5032, 1676.		2
106	Ethnic Differences in the Systemic Pharmacology for Ophthalmologists. International Ophthalmology Clinics, 2003, 43, 27-38.	0.7	1
107	Independent component analysis for the detection of in-vivo intrinsic signals from an optical imager of retinal function. , 2007, , .		1
108	Unilateral congenital glaucoma in a child with optic nerve aplasia. Journal of AAPOS, 2011, 15, 200-202.	0.3	1

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109	Glaucomas: Uveitic Glaucoma. , 2010, , 371-378.		0
110	Glaucomas: Uveitic Glaucoma. , 2016, , 447-456.		0
111	Glaucoma Visual Function Assessment. , 2020, , 1-26.		0
112	Glaucoma Visual Function Assessment. , 2022, , 2073-2097.		0