Kyung Rim Sung

List of Publications by Year
in descending order

100 papers	2,678 citations	346980 22 h-index	286692 43 g-index
100 all docs	100 docs citations	100 times ranked	2353 citing authors

#	Article	IF	Citations
1	Can Artificial Intelligence Predict Glaucomatous Visual Field Progression? A Spatialâ€“Ordinal Convolutional Neural Network Model. American Journal of Ophthalmology, 2022, 233, 124-134.	1.7	11
2	Prostaglandin-associated periorbitopathy syndrome (PAPS): Addressing an unmet clinical need. Seminars in Ophthalmology, 2022, 37, 447-454.	0.8	7
3	Glaucoma Progression After Lens Extraction in Primary Angle-closure Glaucoma According to Angle-closure Mechanism. Journal of Glaucoma, 2022, 31, 261-267.	0.8	3
4	Development of a Î²-Variational Autoencoder for Disentangled Latent Space Representation of Anterior Segment Optical Coherence Tomography Images. Translational Vision Science and Technology, 2022, 11, 11.	1.1	2
5	Comparison of Vision-related Quality of Life between Normal Tension Glaucoma and Primary Open Angle Glaucoma. Journal of Glaucoma, 2022, Publish Ahead of Print, 322-328.	0.8	0
6	Factors Associated with Deterioration of Primary Angle Closure after Lens Extraction. Journal of Clinical Medicine, 2022, 11, 2557.	1.0	6
7	Statins Inhibit the Gliosis of MIO-M1, a MÃ¼ller Glial Cell Line Induced by TRPV4 Activation. International Journal of Molecular Sciences, 2022, 23, 5190.	1.8	3
8	Comparison of Surgical Outcomes in Glaucomatous Eyes with or without Choroidal Microvascular Dropout and Analysis of Risk Factors Associated with Visual Field Progression after Trabeculectomy. Journal of the Korean Glaucoma Society, 2022, 11, 38.	0.0	0
9	Comparison of Lamina Cribrosa Curvature in Pseudoexfoliation and Primary Open-Angle Glaucoma. American Journal of Ophthalmology, 2021, 223, 1-8.	1.7	9
10	Longitudinal Macular Ganglion Cellâ€“Inner Plexiform Layer Measurements to Detect Glaucoma Progression in High Myopia. American Journal of Ophthalmology, 2021, 223, 9-20.	1.7	12
11	Comparison of the Safety and Efficacy between Preserved and Preservative-Free Latanoprost and Preservative-Free Tafluprost. Pharmaceuticals, 2021, 14, 501.	1.7	6
12	A Sarcopenia Detection System Using an RGB-D Camera and an Ultrasound Probe: Eye-in-Hand Approach. Biosensors, 2021, 11, 243.	2.3	3
13	Implications of the Relationship Between Refractive Error and Biometry in the Pathogenesis of Primary Angle Closure. , 2021, 62, 38.		0
14	Glaucomatous Progression after Laser Peripheral Iridotomy in Eyes with Different Angle-closure Mechanisms: a Longitudinal Study. Journal of the Korean Glaucoma Society, 2021, 10, 8.	0.0	0
15	Neuroprotective Effect of Statins in a Rat Model of Chronic Ocular Hypertension. International Journal of Molecular Sciences, 2021, 22, 12500.	1.8	6
16	Changes in Peripapillary and Macular Vessel Densities and Their Relationship with Visual Field Progression after Trabeculectomy. Journal of Clinical Medicine, 2021, 10, 5862.	1.0	3
17	Ganglion Cell-Inner Plexiform Layer and Retinal Nerve Fiber Layer Changes in Glaucoma Suspects Enable Prediction of Glaucoma Development. American Journal of Ophthalmology, 2020, 210, 26-34.	1.7	31
18	Age-Related Physiologic Thinning Rate of the Retinal Nerve Fiber Layer in Different Levels of Myopia. Journal of Ophthalmology, 2020, 2020, 1-6.	0.6	10

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19	Profiles and Clinical Characteristics of Newly Diagnosed Glaucoma in Urban Korea: A Multicenter Study. Korean Journal of Ophthalmology: KJO, 2020, 34, 353-360.	0.5	3
20	Additive Role of Optical Coherence Tomography Angiography Vessel Density Measurements in Glaucoma Diagnoses. Korean Journal of Ophthalmology: KJO, 2019, 33, 315.	0.5	9
21	Effects of Age on Peripapillary and Macular Vessel Density Determined Using Optical Coherence Tomography Angiography in Healthy Eyes. , 2019, 60, 3492.		48
22	Spatial and Temporal Characteristics of Visual Field Progression in Glaucoma Assessed by Parallel Factor Analysis. Korean Journal of Ophthalmology: KJO, 2019, 33, 279.	0.5	0
23	Visionâ€related quality of life according to location of visual field loss in patients with glaucoma. Acta Ophthalmologica, 2019, 97, e772-e779.	0.6	15
24	Response: Considerations With Regard to the Relationship Between Anticoagulant Intake and Glaucoma Prognosis in Eyes With Optic Disc Hemorrhages. Journal of Glaucoma, 2019, 28, e134-e134.	0.8	0
25	A Path Analysis of Effects of Patientsâ€™ Underlying Conditions, Treatment Satisfaction, and Adherence on Quality of Life Among Korea Glaucoma Patients. Journal of Glaucoma, 2019, 28, 785-789.	0.8	4
26	Vitreous Zonule and its Relation to Anterior Chamber Angle Characteristics in Primary Angle Closure. Journal of Glaucoma, 2019, 28, 1048-1053.	0.8	4
27	Factors influencing visionâ€related quality of life according to glaucoma severity. Acta Ophthalmologica, 2019, 97, e216-e224.	0.6	18
28	Progressive Optic Disc Tilt in Young Myopic Glaucomatous Eyes. Korean Journal of Ophthalmology: KJO, 2019, 33, 520.	0.5	9
29	Glaucoma Progression and its Relationship with Corrected and Uncorrected Intraocular Pressure in Eyes with History of Refractive Corneal Surgery. Current Eye Research, 2018, 43, 1136-1144.	0.7	3
30	Long-term Changes in Anterior Segment Characteristics of Eyes With Different Primary Angle-Closure Mechanisms. American Journal of Ophthalmology, 2018, 191, 54-63.	1.7	32
31	Progressive change in peripapillary atrophy in myopic glaucomatous eyes. British Journal of Ophthalmology, 2018, 102, 1527-1532.	2.1	11
32	Patterns of Progressive Ganglion Cellâ€“Inner Plexiform Layer Thinning in Glaucoma Detected by OCT. Ophthalmology, 2018, 125, 1515-1525.	2.5	50
33	Relationship between Progressive Changes in Lamina Cribrosa Depth and Deterioration of Visual Field Loss in Glaucomatous Eyes. Korean Journal of Ophthalmology: KJO, 2018, 32, 470.	0.5	4
34	The Relationship Between Peripapillary Vascular Density and Visual Field Sensitivity in Primary Open-Angle and Angle-Closure Glaucoma. , 2018, 59, 5862.		29
35	Influence of Vitrectomy-related Factors on the Outcome of Ahmed Glaucoma Valve Implantation. Korean Journal of Ophthalmology: KJO, 2018, 32, 400.	0.5	9
36	Effects of Choroidal Thickness on Refractive Outcome Following Cataract Surgery in Primary Angle Closure. Korean Journal of Ophthalmology: KJO, 2018, 32, 382.	0.5	3

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37	Factors Associated with Outcomes of Combined Phacoemulsification and Ahmed Glaucoma Valve Implantation. Korean Journal of Ophthalmology: KJO, 2018, 32, 211.	0.5	9
38	Predictive Factor Analysis of Sectoral Visual Field Progression in Myopic Primary Open Angle Glaucoma. Journal of the Korean Glaucoma Society, 2018, 7, 12.	0.0	0
39	The Prevalence of Open-Angle Glaucoma by Age in Myopia: The Korea National Health and Nutrition Examination Survey. Current Eye Research, 2017, 42, 65-71.	0.7	29
40	Myopic glaucomatous eyes with or without optic disc shape alteration: a longitudinal study. British Journal of Ophthalmology, 2017, 101, 1618-1622.	2.1	10
41	Optical coherence tomography angiography vessel density mapping at various retinal layers in healthy and normal tension glaucoma eyes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 1193-1202.	1.0	50
42	In Reply:. Journal of Glaucoma, 2017, 26, 124-125.	0.8	1
43	Ganglion Cellâ€“Inner Plexiform Layer Change Detected by Optical Coherence Tomography Indicates Progression in Advanced Glaucoma. Ophthalmology, 2017, 124, 1466-1474.	2.5	123
44	Subclassification of Primary Angle Closure Using Anterior Segment Optical Coherence Tomography and Ultrasound Biomicroscopic Parameters. Ophthalmology, 2017, 124, 1039-1047.	2.5	30
45	Treatment patterns and medication adherence of patients with glaucoma in South Korea. British Journal of Ophthalmology, 2017, 101, 801-807.	2.1	61
46	Risk Factors Associated With Glaucomatous Progression in Pseudoexfoliation Patients. Journal of Glaucoma, 2017, 26, 1107-1113.	0.8	15
47	Factors Associated With Zonular Instability During Cataract Surgery in Eyes With Acute Angle Closure Attack. American Journal of Ophthalmology, 2017, 183, 118-124.	1.7	20
48	Statins reduce TGF-beta2-modulation of the extracellular matrix in cultured astrocytes of the human optic nerve head. Experimental Eye Research, 2017, 164, 55-63.	1.2	14
49	Reply. Ophthalmology, 2017, 124, e80.	2.5	0
50	Optic disc and peripapillary retinal nerve fiber layer characteristics associated with glaucomatous optic disc in young myopia. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 591-598.	1.0	19
51	Factors Associated with Loss of Visual Function in Medically Treated Advanced Normal Tension Glaucoma. Current Eye Research, 2017, 42, 429-435.	0.7	7
52	Effect of Preoperative Intravitreal Bevacizumab on the Surgical Outcome of Neovascular Glaucoma at Different Stages. Journal of Ophthalmology, 2017, 2017, 1-7.	0.6	18
53	Peripapillary Microvascular Improvement and Lamina Cribrosa Depth Reduction After Trabeculectomy in Primary Open-Angle Glaucoma. , 2017, 58, 5993.		52
54	Sub-classification of myopic glaucomatous eyes according to optic disc and peripapillary features. PLoS ONE, 2017, 12, e0181841.	1.1	1

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55	Vision-related Quality of Life in Korean Glaucoma Patients. Journal of Glaucoma, 2017, 26, 159-165.	0.8	16
56	Clinical and Anterior Segment Anatomical Features in Primary Angle Closure Subgroups Based on Configurations of Iris Root Insertion. Korean Journal of Ophthalmology: KJO, 2016, 30, 206.	0.5	7
57	Comparison of the Progression of High- and Low-tension Glaucoma as Determined by Two Different Criteria. Korean Journal of Ophthalmology: KJO, 2016, 30, 40.	0.5	11
58	Macular Ganglion Cell Layer Assessment to Detect Glaucomatous Central Visual Field Progression. Korean Journal of Ophthalmology: KJO, 2016, 30, 451.	0.5	3
59	The Effect of Optic Disc Center Displacement on Retinal Nerve Fiber Layer Measurement Determined by Spectral Domain Optical Coherence Tomography. PLoS ONE, 2016, 11, e0165538.	1.1	8
60	In vitroEffects of Prostaglandin Analogs on Cultured Astrocytes Obtained from the Lamina Cribrosa. Current Eye Research, 2016, 41, 676-682.	0.7	1
61	Prevalence of Pseudoexfoliation Syndrome and Associated Factors in South Koreans: The Korean National Health and Nutrition Examination Survey. Ophthalmic Epidemiology, 2016, 23, 298-302.	0.8	16
62	Progression of primary open angle glaucoma in asymmetrically myopic eyes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1331-1337.	1.0	10
63	Glaucoma Structural and Functional Progression in American and Korean Cohorts. Ophthalmology, 2016, 123, 783-788.	2.5	20
64	Comparison of rates of retinal nerve fibre layer thinning between patients with non-myopic and myopic glaucoma. British Journal of Ophthalmology, 2016, 100, 699-703.	2.1	9
65	Lamina Cribrosa-Related Parameters Assessed by Optical Coherence Tomography for Prediction of Future Glaucoma Progression. Current Eye Research, 2016, 41, 806-813.	0.7	20
66	Clinical Characteristics of First-Degree Relatives with Primary Open-Angle Glaucoma. Journal of Korean Ophthalmological Society, 2015, 56, 396.	0.0	0
67	Comparison of Clinical Characteristics and Progression Rates of Bilaterally and Unilaterally Progressing Glaucoma. Korean Journal of Ophthalmology: KJO, 2015, 29, 40.	0.5	5
68	Effects of Laser Peripheral Iridotomy in Subgroups of Primary Angle Closure Based on Iris Insertion. Journal of Ophthalmology, 2015, 2015, 1-7.	0.6	5
69	Baseline Anterior Segment Parameters Associated with the Long-term Outcome of Laser Peripheral Iridotomy. Current Eye Research, 2015, 40, 1128-1133.	0.7	24
70	Effect of Myopia on the Progression of Primary Open-Angle Glaucoma. Investigative Ophthalmology and Visual Science, 2015, 56, 1775-1781.	3.3	68
71	Lamina cribrosa depth according to the level of axial length in normal and glaucomatous eyes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 2247-2253.	1.0	13
72	Ganglion cell and inner plexiform layer thickness determined by spectral domain optical coherence tomography in patients with brain lesions. British Journal of Ophthalmology, 2015, 99, 329-335.	2.1	26

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73	Relationship between the Lamina Cribrosa, Outer Retina, and Choroidal Thickness as Assessed Using Spectral Domain Optical Coherence Tomography. Korean Journal of Ophthalmology: KJO, 2014, 28, 234.	0.5	15
74	Augmentation of Filtering Blebs with Viscoelastics in Trabeculectomy. Korean Journal of Ophthalmology: KJO, 2014, 28, 393.	0.5	2
75	Assessment of Macular Ganglion Cell Loss Patterns in Neurologic Lesions That Mimic Glaucoma. Korean Journal of Ophthalmology: KJO, 2014, 28, 314.	0.5	8
76	Hierarchical Cluster Analysis of Progression Patterns in Open-Angle Glaucoma Patients With Medical Treatment. , 2014, 55, 3231.		13
77	Outcomes of Laser Peripheral Iridotomy in Angle Closure Subgroups According to Anterior Segment Optical Coherence Tomography Parameters. Investigative Ophthalmology and Visual Science, 2014, 55, 6795-6801.	3.3	40
78	Comparison of Anterior Segment Parameters Between the Acute Primary Angle Closure Eye and the Fellow Eye. , 2014, 55, 3646.		48
79	Author Response: Anterior Segment Parameters During Unilateral Acute Primary Angle Closure. , 2014, 55, 5057.		0
80	Long-Term Effects of Multiple Intravitreal Antivascular Endothelial Growth Factor Injections on Intraocular Pressure. American Journal of Ophthalmology, 2014, 157, 1266-1271.e1.	1.7	37
81	ACHIKO-K: Database of fundus images from glaucoma patients. , 2013, , .		7
82	Longitudinal Changes in Anterior Segment Parameters After Laser Peripheral Iridotomy Assessed by Anterior Segment Optical Coherence Tomography. , 2013, 54, 3166.		64
83	Clinical Characteristics of Glaucomatous Subjects Treated with Refractive Corneal Ablation Surgery. Korean Journal of Ophthalmology: KJO, 2013, 27, 103.	0.5	3
84	A Hierarchical Cluster Analysis of Primary Angle Closure Classification Using Anterior Segment Optical Coherence Tomography Parameters. , 2013, 54, 848.		36
85	Dynamic Changes in Anterior Segment (AS) Parameters in Eyes with Primary Angle Closure (PAC) and PAC Glaucoma and Open-Angle Eyes Assessed Using AS Optical Coherence Tomography. , 2012, 53, 693.		38
86	Glaucoma Diagnostic Capabilities of Optic Nerve Head Parameters as Determined by Cirrus HD Optical Coherence Tomography. Journal of Glaucoma, 2012, 21, 498-504.	0.8	81
87	Macular assessment using optical coherence tomography for glaucoma diagnosis: TableÂ1. British Journal of Ophthalmology, 2012, 96, 1452-1455.	2.1	72
88	Progression Detection Capability of Macular Thickness in Advanced Glaucomatous Eyes. Ophthalmology, 2012, 119, 308-313.	2.5	127
89	Factors Associated with Anterior Chamber Narrowing with Age: An Optical Coherence Tomography Study. , 2012, 53, 2607.		69
90	Imaging of the retinal nerve fibre layer with spectral domain optical coherence tomography for glaucoma diagnosis. British Journal of Ophthalmology, 2011, 95, 909-914.	2.1	87

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91	Characteristics of Visual Field Progression in Medically Treated Normal-Tension Glaucoma Patients with Unstable Ocular Perfusion Pressure. , 2011, 52, 737.		82
92	Retinal Nerve Fiber Layer Normative Classification by Optical Coherence Tomography for Prediction of Future Visual Field Loss. , 2011, 52, 2634.		27
93	Residual anterior chamber angle closure in narrow-angle eyes following laser peripheral iridotomy: anterior segment optical coherence tomography quantitative study. Japanese Journal of Ophthalmology, 2011, 55, 213-219.	0.9	54
94	Effect of age on anterior chamber angle configuration in Asians determined by anterior segment optical coherence tomography; clinicâ€based study. Acta Ophthalmologica, 2010, 88, e205-10.	0.6	37
95	Evaluation of Glaucomatous Damage in the Fellow Eyes of Patients With Unilateral Retinal Vein Occlusion. Journal of Korean Ophthalmological Society, 2009, 50, 120.	0.0	1
96	Relationship Between Central Corneal Thickness and Retinal Nerve Fiber Layer Thickness in Glaucomatous Subject. Journal of Korean Ophthalmological Society, 2009, 50, 418.	0.0	2
97	Comparison of Glaucoma Diagnostic Capabilities of Cirrus HD and Stratus Optical Coherence Tomography. JAMA Ophthalmology, 2009, 127, 1603.	2.6	128
98	Twenty-four Hour Ocular Perfusion Pressure Fluctuation and Risk of Normal-Tension Glaucoma Progression. , 2009, 50, 5266.		143
99	Comparison of Retinal Nerve Fiber Layer Thickness Measured by Cirrus HD and Stratus Optical Coherence Tomography. Ophthalmology, 2009, 116, 1264-1270.e1.	2.5	184
100	Effects of Age on Optical Coherence Tomography Measurements of Healthy Retinal Nerve Fiber Layer, Macula, and Optic Nerve Head. Ophthalmology, 2009, 116, 1119-1124.	2.5	189