Cecilia S Lee

List of Publications by Year
in descending order

96	3,455	159525 30	168321 53
papers	citations	h-index	g-index

98	98	98	4267
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Age, Gender, and Laterality of Retinal Vascular Occlusion: A Retrospective Study from the IRISÂ® Registry. Ophthalmology Retina, 2022, 6, 161-171.	1.2	21
2	Endophthalmitis Rate in Immediately Sequential versus Delayed Sequential Bilateral Cataract Surgery within the Intelligent Research in Sight (IRISÂ®) Registry Data. Ophthalmology, 2022, 129, 129-138.	2.5	36
3	Real-time Augmented Realityâ€"The Next Frontier for Ophthalmic Surgery. JAMA Ophthalmology, 2022, 140, 177.	1.4	1
4	UWHVF: A Real-World, Open Source Dataset of Perimetry Tests From the Humphrey Field Analyzer at the University of Washington. Translational Vision Science and Technology, 2022, 11, 2.	1.1	9
5	From Data to Deployment. Ophthalmology, 2022, 129, e43-e59.	2.5	16
6	American Academy of Ophthalmology Intelligent Research in Sight (IRISÂ®) Registry and the IRIS Registry Analytic Center Consortium. Ophthalmology Science, 2022, 2, 100112.	1.0	14
7	Association Between Cataract Extraction and Development of Dementia. JAMA Internal Medicine, 2022, 182, 134.	2.6	54
8	Invited Session I: Artificial intelligence applications in ophthalmology and vision science: Deep learning applications in clinical ophthalmology. Journal of Vision, 2022, 22, 40.	0.1	0
9	Grading Anterior Chamber Inflammation with Anterior Segment Optical Coherence Tomography: An Overview. Ocular Immunology and Inflammation, 2022, 30, 357-363.	1.0	2
10	Retinal Biomarkers for Alzheimer Disease: The Facts and the Future. Asia-Pacific Journal of Ophthalmology, 2022, 11, 140-148.	1.3	10
11	Adjustable Suture Technique Is Associated with Fewer Strabismus Reoperations in the Intelligent Research in Sight Registry. Ophthalmology, 2022, 129, 1028-1033.	2.5	5
12	Artificial intelligence-based strategies to identify patient populations and advance analysis in age-related macular degeneration clinical trials. Experimental Eye Research, 2022, 220, 109092.	1.2	2
13	Machine Learning Prediction of Adenovirus D8 Conjunctivitis Complications from Viral Whole-Genome Sequence. Ophthalmology Science, 2022, 2, 100166.	1.0	5
14	Geographic Distribution of Visual Impairment and Access to Ophthalmologists. JAMA Ophthalmology, 2022, , .	1.4	0
15	Deep Metagenomic Sequencing for Endophthalmitis Pathogen Detection Using a Nanopore Platform. American Journal of Ophthalmology, 2022, 242, 243-251.	1.7	10
16	COVID-19 and immunosuppression: a review of current clinical experiences and implications for ophthalmology patients taking immunosuppressive drugs. British Journal of Ophthalmology, 2021, 105, 306-310.	2.1	65
17	Evolving consensus for immunomodulatory therapy in non-infectious uveitis during the COVID-19 pandemic. British Journal of Ophthalmology, 2021, 105, 639-647.	2.1	16
18	Predictors of narrow angle detection rateâ€"a longitudinal study of Massachusetts residents over 1.7 million person years. Eye, 2021, 35, 952-958.	1.1	6

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19	Understanding the Brain through Aging Eyes. Advances in Geriatric Medicine and Research, 2021, 3, .	0.6	6
20	Hospitalization and mortality associated with SARS-CoV-2 viral clades in COVID-19. Scientific Reports, 2021, 11, 4802.	1.6	55
21	Response to Comment on Lee et al. Multicenter, Head-to-Head, Real-World Validation Study of Seven Automated Artificial Intelligence Diabetic Retinopathy Screening Systems. Diabetes Care 2021;44:1168â€“1175. Diabetes Care, 2021, 44, e108-e109.	4.3	8
22	PeriorbitAI: Artificial Intelligence Automation of Eyelid and Periorbital Measurements. American Journal of Ophthalmology, 2021, 230, 285-296.	1.7	13
23	Associations Between Retinal Artery/Vein Occlusions and Risk of Vascular Dementia. Journal of Alzheimer's Disease, 2021, 81, 245-253.	1.2	11
24	Assessing the Clinical Utility of Expanded Macular OCTs Using Machine Learning. Translational Vision Science and Technology, 2021, 10, 32.	1.1	11
25	Application of deep learning to understand resilience to Alzheimer's disease pathology. Brain Pathology, 2021, 31, e12974.	2.1	5
26	Big Data and Artificial Intelligence in Ophthalmology: Where Are We Now?. Ophthalmology Science, 2021, 1, 100036.	1.0	10
27	Dome-shaped macula in premature infants visualized by handheld spectral-domain optical coherence tomography. Journal of AAPOS, 2021, 25, 153.e1-153.e6.	0.2	2
28	Student becomes teacher: training faster deep learning lightweight networks for automated identification of optical coherence tomography B-scans of interest using a student-teacher framework. Biomedical Optics Express, 2021, 12, 5387.	1.5	3
29	Assessing the Uniformity of Uveitis Clinical Concepts and Associated ICD-10 Codes Across Health Care Systems Sharing the Same Electronic Health Records System. JAMA Ophthalmology, 2021, 139, 887.	1.4	10
30	Multicenter, Head-to-Head, Real-World Validation Study of Seven Automated Artificial Intelligence Diabetic Retinopathy Screening Systems. Diabetes Care, 2021, 44, 1168-1175.	4.3	84
31	Refractive Outcomes After Immediate Sequential vs Delayed Sequential Bilateral Cataract Surgery. JAMA Ophthalmology, 2021, 139, 876.	1.4	33
32	Inefficiencies in Residency Matching Associated with Galeâ€“Shapley Algorithms. Journal of Academic Ophthalmology (2017), 2021, 13, e175-e182.	0.2	1
33	Association of Public Health Measures During the COVID-19 Pandemic With the Incidence of Infectious Conjunctivitis. JAMA Ophthalmology, 2021, , .	1.4	10
34	Clinical metagenomics for infectious corneal ulcers: Rags to riches?. Ocular Surface, 2020, 18, 1-12.	2.2	32
35	Smoking Is Associated with Higher Intraocular Pressure Regardless of Glaucoma. Ophthalmology Glaucoma, 2020, 3, 253-261.	0.9	32
36	Model-to-Data Approach for Deep Learning in Optical Coherence Tomography Intraretinal Fluid Segmentation. JAMA Ophthalmology, 2020, 138, 1017.	1.4	23

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37	Vitreous Findings by Handheld Spectral-Domain OCT Correlate with Retinopathy of Prematurity Severity. Ophthalmology Retina, 2020, 4, 1008-1015.	1.2	15
38	Long-term multimodal imaging in acute posterior multifocal placoid pigment epitheliopathy and association with coxsackievirus exposure. PLoS ONE, 2020, 15, e0238080.	1.1	12
39	Protecting Data Privacy in the Age of AI-Enabled Ophthalmology. Translational Vision Science and Technology, 2020, 9, 36.	1.1	37
40	Cataract surgery is associated with reduced risk for Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e044940.	0.4	0
41	Retinal vascular occlusions are associated with increased risk for vascular dementia in APOE Îµ4 carriers in a communityâ€based cohort. Alzheimer's and Dementia, 2020, 16, e045563.	0.4	0
42	Retinal Biomarkers of Alzheimer Disease. American Journal of Ophthalmology, 2020, 218, 337-341.	1.7	14
43	Clinical applications of continual learning machine learning. The Lancet Digital Health, 2020, 2, e279-e281.	5.9	122
44	How Artificial Intelligence Can Transform Randomized Controlled Trials. Translational Vision Science and Technology, 2020, 9, 9.	1.1	20
45	Methodological Challenges of Deep Learning in Optical Coherence Tomography for Retinal Diseases: A Review. Translational Vision Science and Technology, 2020, 9, 11.	1.1	56
46	Prognostic Utility of Whole-Genome Sequencing and Polymerase Chain Reaction Tests of Ocular Fluids in Postprocedural Endophthalmitis. American Journal of Ophthalmology, 2020, 217, 325-334.	1.7	19
47	Exploring a Structural Basis for Delayed Rod-Mediated Dark Adaptation in Age-Related Macular Degeneration Via Deep Learning. Translational Vision Science and Technology, 2020, 9, 62.	1.1	24
48	Associations between recent and established ophthalmic conditions and risk of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 34-41.	0.4	100
49	CAPTCHA as a Visual Performance Metric in Active Macular Disease. Journal of Ophthalmology, 2019, 2019, 1-6.	0.6	0
50	Finding Glaucoma in Color Fundus Photographs Using Deep Learning. JAMA Ophthalmology, 2019, 137, 1361.	1.4	11
51	Forecasting future Humphrey Visual Fields using deep learning. PLoS ONE, 2019, 14, e0214875.	1.1	102
52	Ophthalmology-Based Neuropathology Risk Factors: Diabetic Retinopathy is Associated with Deep Microinfarcts in a Community-Based Autopsy Study. Journal of Alzheimer's Disease, 2019, 68, 647-655.	1.2	10
53	Generating retinal flow maps from structural optical coherence tomography with artificial intelligence. Scientific Reports, 2019, 9, 5694.	1.6	61
54	Estimating Retinal Sensitivity Using Optical Coherence Tomography With Deep-Learning Algorithms in Macular Telangiectasia Type 2. JAMA Network Open, 2019, 2, e188029.	2.8	51

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55	United Kingdom Diabetic Retinopathy Electronic Medical Record (UK DR EMR) Users Group: report 4, real-world data on the impact of deprivation on the presentation of diabetic eye disease at hospital services. British Journal of Ophthalmology, 2019, 103, 837-843.	2.1	25
56	Infectious corneal ulceration: a proposal for neglected tropical disease status. Bulletin of the World Health Organization, 2019, 97, 854-856.	1.5	52
57	Comparisons Between Histology and Optical Coherence Tomography Angiography of the Periarterial Capillary-Free Zone. American Journal of Ophthalmology, 2018, 189, 55-64.	1.7	58
58	Reply. Ophthalmology Retina, 2018, 2, e3.	1.2	0
59	Determinants of Outcomes of Adenoviral Keratoconjunctivitis. Ophthalmology, 2018, 125, 1344-1353.	2.5	47
60	A Review of the Role of Intravitreal Corticosteroids as an Adjuvant to Antibiotics in Infectious Endophthalmitis. Ocular Immunology and Inflammation, 2018, 26, 461-468.	1.0	33
61	VISUAL ACUITY IMPROVEMENT WHEN SWITCHING FROM RANIBIZUMAB TO AFLIBERCEPT IS NOT SUSTAINED. Retina, 2018, 38, 951-956.	1.0	8
62	Cost-effectiveness of age-related macular degeneration study supplements in the UK: combined trial and real-world outcomes data. British Journal of Ophthalmology, 2018, 102, 465-472.	2.1	10
63	Differences in Tertiary Glaucoma Care in the Veterans Affairs Health Care System. JAMA Ophthalmology, 2018, 136, 1227.	1.4	6
64	Projection Artifact Removal Improves Visualization and Quantitation of Macular Neovascularization Imaged by Optical Coherence Tomography Angiography. Ophthalmology Retina, 2017, 1, 124-136.	1.2	99
65	Deep Learning Is Effective for Classifying Normal versus Age-Related Macular Degeneration OCT Images. Ophthalmology Retina, 2017, 1, 322-327.	1.2	440
66	Association between OCT-based microangiography perfusion indices and diabetic retinopathy severity. British Journal of Ophthalmology, 2017, 101, 960-964.	2.1	23
67	UK AMD/DR EMR REPORT IX: comparative effectiveness of predominantly as needed (PRN) ranibizumab versus continuous aflibercept in UK clinical practice. British Journal of Ophthalmology, 2017, 101, 1683-1688.	2.1	37
68	The United Kingdom Diabetic Retinopathy Electronic Medical Record Users Group: Report 3: Baseline Retinopathy and Clinical Features Predict Progression of Diabetic Retinopathy. American Journal of Ophthalmology, 2017, 180, 64-71.	1.7	34
69	Viral posterior uveitis. Survey of Ophthalmology, 2017, 62, 404-445.	1.7	97
70	Reply. Ophthalmology, 2017, 124, e65-e66.	2.5	0
71	[P4â€“411]: OPHTHALMOLOGYâ€BASED AD RISK FACTORS: GLAUCOMA, AGEâ€RELATED MACULAR DEGENERATION, AND DIABETIC RETINOPATHY ARE EACH ASSOCIATED WITH AD RISK IN A COMMUNITYâ€BASED COHORT STUDY. 0.4 Alzheimer's and Dementia, 2017, 13, P1488.		0
72	Bilateral Uveitis and Keratitis Following Nivolumab Treatment for Metastatic Melanoma. Medical Case Reports (Wilmington, Del), 2017, 03, .	0.1	19

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73	Deep-learning based, automated segmentation of macular edema in optical coherence tomography. Biomedical Optics Express, 2017, 8, 3440.	1.5	277
74	Validation of the Total Visual Acuity Extraction Algorithm (TOVA) for Automated Extraction of Visual Acuity Data From Free Text, Unstructured Clinical Records. Translational Vision Science and Technology, 2017, 6, 2.	1.1	15
75	Comparison of retina specialist preferences regarding spectral-domain and swept-source optical coherence tomography angiography. Clinical Ophthalmology, 2017, Volume 11, 889-895.	0.9	6
76	Fully automated, deep learning segmentation of oxygen-induced retinopathy images. JCI Insight, 2017, 2, .	2.3	36
77	Disparities in delivery of ophthalmic care; An exploration of public Medicare data. PLoS ONE, 2017, 12, e0182598.	1.1	25
78	Ocular Tuberculosisâ€"A Clinical Conundrum. Ocular Immunology and Inflammation, 2016, 24, 1-6.	1.0	43
79	Management of noninfectious posterior uveitis with intravitreal drug therapy. Clinical Ophthalmology, 2016, Volume 10, 1983-2020.	0.9	26
80	Use of Mechanical Turk as a MapReduce Framework for Macular OCT Segmentation. Journal of Ophthalmology, 2016, 2016, 1-6.	0.6	4
81	Paucibacterial Microbiome and Resident DNA Virome of the Healthy Conjunctiva. , 2016, 57, 5116.		179
82	Evaluation of bilateral central retinal artery occlusions with optical coherence tomography-based microangiography: a case report. Journal of Medical Case Reports, 2016, 10, 307.	0.4	10
83	Scalable metagenomics alignment research tool (SMART): a scalable, rapid, and complete search heuristic for the classification of metagenomic sequences from complex sequence populations. BMC Bioinformatics, 2016, 17, 292.	1.2	25
84	Wide-field optical coherence tomography based microangiography for retinal imaging. Scientific Reports, 2016, 6, 22017.	1.6	110
85	Patterns of Laboratory Testing Utilization Among Uveitis Specialists. American Journal of Ophthalmology, 2016, 170, 161-167.	1.7	19
86	Evaluating Access to Eye Care in the Contiguous United States by Calculated Driving Time in the United States Medicare Population. Ophthalmology, 2016, 123, 2456-2461.	2.5	40
87	Big Data and Uveitis. Ophthalmology, 2016, 123, 2273-2275.	2.5	18
88	Anti-tubercular therapy for intraocular tuberculosis: A systematic review and meta-analysis. Survey of Ophthalmology, 2016, 61, 628-653.	1.7	86
89	Flurbiprofen: A Nonselective Cyclooxygenase (COX) Inhibitor for Treatment of Noninfectious, Non-necrotizing Anterior Scleritis. Ocular Immunology and Inflammation, 2016, 24, 35-42.	1.0	28
90	Emerging techniques for pathogen discovery in endophthalmitis. Current Opinion in Ophthalmology, 2015, 26, 221-225.	1.3	32

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91	UK AMD EMR USERS GROUP REPORT V: benefits of initiating ranibizumab therapy for neovascular AMD in eyes with vision better than 6/12. British Journal of Ophthalmology, 2015, 99, 1045-1050.	2.1	51
92	The cost-effectiveness of initiating ranibizumab therapy in eyes with neovascular AMD with good vision: an economic model using real-world outcomes. BMJ Open, 2015, 5, e006535-e006535.	0.8	16
93	IgG4-associated orbital and ocular inflammation. Journal of Ophthalmic Inflammation and Infection, 2015, 5, 15.	1.2	47
94	Reevaluating the Definition of Intraretinal Microvascular Abnormalities and Neovascularization Elsewhere in Diabetic Retinopathy Using Optical Coherence Tomography and Fluorescein Angiography. American Journal of Ophthalmology, 2015, 159, 101-110.e1.	1.7	73
95	Immunopharmacotherapy of non-infectious uveitis: where do we stand?. Expert Opinion on Biological Therapy, 2014, 14, 1719-1722.	1.4	8
96	Visual Cycle Suppression via Patching in Central Serous Chorioretinopathy. Ophthalmology, 2014, 121, 2502-2504.e1.	2.5	6