Pearse A Keane

List of Publications by Year
in descending order

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268 papers	14,261 citations	31902 53 h-index	31759 101 g-index
276 all docs	276 docs citations	276 times ranked	12426 citing authors

#	Article	IF	Citations
1	Clinically applicable deep learning for diagnosis and referral in retinal disease. Nature Medicine, 2018, 24, 1342-1350.	15.2	1,551
2	A comparison of deep learning performance against health-care professionals in detecting diseases from medical imaging: a systematic review and meta-analysis. The Lancet Digital Health, 2019, 1, e271-e297.	5.9	930
3	Artificial intelligence and deep learning in ophthalmology. British Journal of Ophthalmology, 2019, 103, 167-175.	2.1	754
4	The Lancet Global Health Commission on Global Eye Health: vision beyond 2020. The Lancet Global Health, 2021, 9, e489-e551.	2.9	549
5	Deep learning in ophthalmology: The technical and clinical considerations. Progress in Retinal and Eye Research, 2019, 72, 100759.	7.3	300
6	Analysis of Normal Retinal Nerve Fiber Layer Thickness by Age, Sex, and Race Using Spectral Domain Optical Coherence Tomography. Journal of Glaucoma, 2013, 22, 532-541.	0.8	231
7	Evaluation of Age-related Macular Degeneration With Optical Coherence Tomography. Survey of Ophthalmology, 2012, 57, 389-414.	1.7	230
8	State of science: Choroidal thickness and systemic health. Survey of Ophthalmology, 2016, 61, 566-581.	1.7	198
9	Choroidal Vascularity Index (CVI) - A Novel Optical Coherence Tomography Parameter for Monitoring Patients with Panuveitis?. PLoS ONE, 2016, 11, e0146344.	1.1	190
10	Fundus Photography in the 21st Centuryâ€"A Review of Recent Technological Advances and Their Implications for Worldwide Healthcare. Telemedicine Journal and E-Health, 2016, 22, 198-208.	1.6	184
11	Automated deep learning design for medical image classification by health-care professionals with no coding experience: a feasibility study. The Lancet Digital Health, 2019, 1, e232-e242.	5.9	183
12	Predicting conversion to wet age-related macular degeneration using deep learning. Nature Medicine, 2020, 26, 892-899.	15.2	178
13	With an eye to AI and autonomous diagnosis. Npj Digital Medicine, 2018, 1, 40.	5.7	163
14	Optical Coherence Tomographyâ€"Based Observation of the Natural History of Drusenoid Lesion in Eyes with Dry Age-related Macular Degeneration. Ophthalmology, 2013, 120, 2656-2665.	2.5	161
15	A global review of publicly available datasets for ophthalmological imaging: barriers to access, usability, and generalisability. The Lancet Digital Health, 2021, 3, e51-e66.	5.9	153
16	Spatial Distribution of Posterior Pole Choroidal Thickness by Spectral Domain Optical Coherence Tomography. , 2011, 52, 7019.		142
17	The Effects of Macular Ischemia on Visual Acuity in Diabetic Retinopathy. , 2013, 54, 2353.		138
18	Association of Retinal Nerve Fiber Layer Thinning With Current and Future Cognitive Decline. JAMA Neurology, 2018, 75, 1198.	4.5	136

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19	Guidelines for clinical trial protocols for interventions involving artificial intelligence: the SPIRIT-AI extension. The Lancet Digital Health, 2020, 2, e549-e560.	5.9	135
20	Deep Learning for Predicting Refractive Error From Retinal Fundus Images. , 2018, 59, 2861.		127
21	Quantitative Subanalysis of Optical Coherence Tomography after Treatment with Ranibizumab for Neovascular Age-Related Macular Degeneration. , 2008, 49, 3115.		126
22	Patterns of Peripheral Retinal and Central Macula Ischemia in Diabetic Retinopathy as Evaluated by Ultra-widefield Fluorescein Angiography. American Journal of Ophthalmology, 2014, 158, 144-153.e1.	1.7	122
23	Optical Coherence Tomography Angiography for Anterior Segment Vasculature Imaging. Ophthalmology, 2015, 122, 1740-1747.	2.5	122
24	Optical coherence tomography angiography: a review of current and future clinical applications. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 237-245.	1.0	120
25	Sensitivity and Specificity of Spectral-Domain Optical Coherence Tomography in Detecting Idiopathic Polypoidal Choroidal Vasculopathy. American Journal of Ophthalmology, 2014, 158, 1228-1238.e1.	1.7	119
26	Relationship between Optical Coherence Tomography Retinal Parameters and Visual Acuity in Diabetic Macular Edema. Ophthalmology, 2010, 117, 2379-2386.	2.5	116
27	Real and virtual mobility performance in simulated prosthetic vision. Journal of Neural Engineering, 2007, 4, S92-S101.	1.8	114
28	Reporting guidelines for clinical trial reports for interventions involving artificial intelligence: the CONSORT-AI extension. The Lancet Digital Health, 2020, 2, e537-e548.	5.9	112
29	Retinal Imaging in the Twenty-First Century. Ophthalmology, 2014, 121, 2489-2500.	2.5	110
30	A Clinician's Guide to Artificial Intelligence: How to Critically Appraise Machine Learning Studies. Translational Vision Science and Technology, 2020, 9, 7.	1.1	109
31	Objective Measurement of Vitreous Inflammation Using Optical Coherence Tomography. Ophthalmology, 2014, 121, 1706-1714.	2.5	104
32	PERIPAPILLARY PACHYCHOROID SYNDROME. Retina, 2018, 38, 1652-1667.	1.0	104
33	Insights into Systemic Disease through Retinal Imaging-Based Oculomics. Translational Vision Science and Technology, 2020, 9, 6.	1.1	103
34	Forecasting future Humphrey Visual Fields using deep learning. PLoS ONE, 2019, 14, e0214875.	1.1	102
35	The Evaluation of Diabetic Macular Ischemia Using Optical Coherence Tomography Angiography. , 2016, 57, 626.		99
36	Characterization of Birdshot Chorioretinopathy Using Extramacular Enhanced Depth Optical Coherence Tomography. JAMA Ophthalmology, 2013, 131, 341.	1.4	98

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37	Visualizing the Choriocapillaris Under Drusen: Comparing 1050-nm Swept-Source Versus 840-nm Spectral-Domain Optical Coherence Tomography Angiography. , 2016, 57, OCT585.		95
38	Relationship Between Optical Coherence Tomography Retinal Parameters and Visual Acuity in Neovascular Age-Related Macular Degeneration. Ophthalmology, 2008, 115, 2206-2214.	2.5	94
39	Birdshot chorioretinopathy: current knowledge and new concepts in pathophysiology, diagnosis, monitoring and treatment. Orphanet Journal of Rare Diseases, 2016, 11, 61.	1.2	92
40	Spectral-Domain Optical Coherence Tomography Imaging in 67 321 Adults. Ophthalmology, 2016, 123, 829-840.	2.5	92
41	Code-free deep learning for multi-modality medical image classification. Nature Machine Intelligence, 2021, 3, 288-298.	8.3	90
42	Foveomacular Schisis in Juvenile X-Linked Retinoschisis: An Optical Coherence Tomography Study. American Journal of Ophthalmology, 2010, 149, 973-978.e2.	1.7	89
43	Predicting Visual Acuity by Using Machine Learning in Patients Treated for Neovascular Age-Related Macular Degeneration. Ophthalmology, 2018, 125, 1028-1036.	2.5	88
44	Systematic Evaluation of Optical Coherence Tomography Angiography in Retinal Vein Occlusion. American Journal of Ophthalmology, 2016, 163, 93-107.e6.	1.7	87
45	Optical coherence tomography angiography and indocyanine green angiography for corneal vascularisation. British Journal of Ophthalmology, 2016, 100, 1557-1563.	2.1	80
46	En face optical coherence tomography angiography for corneal neovascularisation. British Journal of Ophthalmology, 2016, 100, 616-621.	2.1	80
47	Predicting optical coherence tomography-derived diabetic macular edema grades from fundus photographs using deep learning. Nature Communications, 2020, 11, 130.	5.8	79
48	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
49	Predictive Factors for the Progression of Diabetic Macular Ischemia. American Journal of Ophthalmology, 2013, 156, 684-692.e1.	1.7	72
50	Punctate inner choroidopathy: A review. Survey of Ophthalmology, 2017, 62, 113-126.	1.7	72
51	The eye, the kidney, and cardiovascular disease: old concepts, better tools, and new horizons. Kidney International, 2020, 98, 323-342.	2.6	72
52	Characteristic optical coherence tomography findings in patients with primary vitreoretinal lymphoma: a novel aid to early diagnosis. British Journal of Ophthalmology, 2018, 102, 1362-1366.	2.1	70
53	The Evolution of Teleophthalmology Programs in the United Kingdom. Journal of Diabetes Science and Technology, 2016, 10, 308-317.	1.3	67
54	Quantitative Analysis of Peripheral Vasculitis, Ischemia, and Vascular Leakage in Uveitis Using Ultra-Widefield Fluorescein Angiography. American Journal of Ophthalmology, 2015, 159, 1161-1168.e1.	1.7	66

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55	Implementation of a cloud-based referral platform in ophthalmology: making telemedicine services a reality in eye care. British Journal of Ophthalmology, 2020, 104, 312-317.	2.1	65
56	Predicting sex from retinal fundus photographs using automated deep learning. Scientific Reports, 2021, 11, 10286.	1.6	65
57	Comparison of Associations with Different Macular Inner Retinal Thickness Parameters in a Large Cohort. Ophthalmology, 2020, 127, 62-71.	2.5	64
58	Quantitative Analysis of OCT for Neovascular Age-Related Macular Degeneration Using Deep Learning. Ophthalmology, 2021, 128, 693-705.	2.5	64
59	Quantitative Analysis of Diabetic Macular Ischemia Using Optical Coherence Tomography. , 2014, 55, 417.		63
60	Evaluation of Optical Coherence Tomography Retinal Thickness Parameters for Use in Clinical Trials for Neovascular Age-Related Macular Degeneration. , 2009, 50, 3378.		58
61	Grading of Age-Related Macular Degeneration: Comparison between Color Fundus Photography, Fluorescein Angiography, and Spectral Domain Optical Coherence Tomography. Journal of Ophthalmology, 2013, 2013, 1-6.	0.6	58
62	Automated Retinal Image Analysis for Diabetic Retinopathy in Telemedicine. Current Diabetes Reports, 2015, 15, 14.	1.7	57
63	Impact of Scanning Density on Measurements from Spectral Domain Optical Coherence Tomography. , 2010, 51, 1071.		56
64	Relationship between Outer Retinal Thickness Substructures and Visual Acuity in Eyes with Dry Age-Related Macular Degeneration. , 2011, 52, 6743.		56
65	Repeatability and Reproducibility of Choroidal Vessel Layer Measurements in Diabetic Retinopathy Using Enhanced Depth Optical Coherence Tomography. , 2013, 54, 2893.		54
66	COMPARING FUNDUS FLUORESCEIN ANGIOGRAPHY AND SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY IN THE EVALUATION OF DIABETIC MACULAR PERFUSION. Retina, 2019, 39, 926-937.	1.0	54
67	Enhanced Depth Imaging Optical Coherence Tomography of Optic Nerve Head Drusen. Ophthalmology, 2017, 124, 66-73.	2.5	53
68	Implementation of medical retina virtual clinics in a tertiary eye care referral centre. British Journal of Ophthalmology, 2018, 102, 1391-1395.	2.1	53
69	Quantitative Subanalysis of Cystoid Spaces and Outer Nuclear Layer Using Optical Coherence Tomography in Age-Related Macular Degeneration. , 2009, 50, 3366.		52
70	The extended clinical phenotype of dome-shaped macula. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 499-508.	1.0	51
71	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
72	Ten-year outcomes of antivascular endothelial growth factor therapy in neovascular age-related macular degeneration. Eye, 2020, 34, 1888-1896.	1.1	51

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73	Effects of Retinal Morphology on Contrast Sensitivity and Reading Ability in Neovascular Age-Related Macular Degeneration. , 2010, 51, 5431.		50
74	Artificial Intelligence Algorithms to Diagnose Glaucoma and Detect Glaucoma Progression: Translation to Clinical Practice. Translational Vision Science and Technology, 2020, 9, 55.	1.1	49
75	Sequence of clinical and neurodegeneration events in Parkinsonâ€™s disease progression. Brain, 2021, 144, 975-988.	3.7	49
76	Detection of Cystoid Macular Edema with Three-Dimensional Optical Coherence Tomography versus Fluorescein Angiography. , 2010, 51, 5213.		46
77	Biomarkers and Surrogate Endpoints in Uveitis: The Impact of Quantitative Imaging. , 2017, 58, BIO131.		46
78	New meaning for NLP: the trials and tribulations of natural language processing with GPT-3 in ophthalmology. British Journal of Ophthalmology, 2022, 106, 889-892.	2.1	46
79	Relationship between Visual Acuity and Spectral Domain Optical Coherence Tomography Retinal Parameters in Neovascular Age-Related Macular Degeneration. Ophthalmologica, 2014, 231, 37-44.	1.0	45
80	Characterization of Punctate Inner Choroidopathy Using Enhanced Depth Imaging Optical Coherence Tomography. Ophthalmology, 2014, 121, 1790-1797.	2.5	45
81	Paravascular Pathways in the Eye: Is There an â€˜Ocular Glymphatic System'?. , 2015, 56, 3955.		45
82	Widefield optical coherence tomography angiography for early detection and objective evaluation of proliferative diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 118-123.	2.1	45
83	Optical coherence tomography angiography: a non-invasive tool to image end-arterial system. Expert Review of Medical Devices, 2016, 13, 519-521.	1.4	44
84	Clinically relevant deep learning for detection and quantification of geographic atrophy from optical coherence tomography: a model development and external validation study. The Lancet Digital Health, 2021, 3, e665-e675.	5.9	44
85	Evaluation of retinal pigment epitheliumâ€“Bruch's membrane complex thickness in dry age-related macular degeneration using optical coherence tomography. British Journal of Ophthalmology, 2013, 97, 1256-1261.	2.1	43
86	Comparison of Clinically Relevant Findings from High-Speed Fourier-Domain and Conventional Time-Domain Optical Coherence Tomography. American Journal of Ophthalmology, 2009, 148, 242-248.e1.	1.7	42
87	Development of Anti-VEGF Therapies for Intraocular Use: A Guide for Clinicians. Journal of Ophthalmology, 2012, 2012, 1-13.	0.6	42
88	Strategies for improving early detection and diagnosis of neovascular age-related macular degeneration. Clinical Ophthalmology, 2015, 9, 353.	0.9	42
89	Deferral of first review after uneventful phacoemulsification cataract surgery until 2 weeks. Journal of Cataract and Refractive Surgery, 2007, 33, 1591-1596.	0.7	41
90	Long-term visual and anatomical outcomes following anti-VEGF monotherapy for retinal angiomatous proliferation. British Journal of Ophthalmology, 2010, 94, 701-705.	2.1	41

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91	Visual tests predict dementia risk in Parkinson disease. Neurology: Clinical Practice, 2020, 10, 29-39.	0.8	41
92	Optical coherence tomography in the 2020sâ€"outside the eye clinic. Eye, 2021, 35, 236-243.	1.1	40
93	Optical Coherence Tomography in the UK Biobank Study â€“ Rapid Automated Analysis of Retinal Thickness for Large Population-Based Studies. PLoS ONE, 2016, 11, e0164095.	1.1	40
94	Health Economic and Safety Considerations for Artificial Intelligence Applications in Diabetic Retinopathy Screening. Translational Vision Science and Technology, 2020, 9, 22.	1.1	39
95	Associations with Retinal Pigment Epithelium Thickness Measures in a Large Cohort. Ophthalmology, 2017, 124, 105-117.	2.5	38
96	Effect of Face-Down Positioning vs Support-the-Break Positioning After Macula-Involving Retinal Detachment Repair. JAMA Ophthalmology, 2020, 138, 634.	1.4	38
97	Protecting Data Privacy in the Age of AI-Enabled Ophthalmology. Translational Vision Science and Technology, 2020, 9, 36.	1.1	37
98	Automated Analysis of Vitreous Inflammation Using Spectral-Domain Optical Coherence Tomography. Translational Vision Science and Technology, 2015, 4, 4.	1.1	36
99	Optical coherence tomography angiography of foveal hypoplasia. British Journal of Ophthalmology, 2017, 101, 985-988.	2.1	36
100	RISK FACTORS FOR PROLIFERATIVE DIABETIC RETINOPATHY IN A LATINO AMERICAN POPULATION. Retina, 2014, 34, 1594-1599.	1.0	34
101	Automated analysis of retinal imaging using machine learningÂtechniques for computer vision. F1000Research, 2016, 5, 1573.	0.8	34
102	Clinical Outcomes of a Hospital-Based Teleophthalmology Service. Ophthalmology Retina, 2019, 3, 422-428.	1.2	33
103	Artificial intelligence extension of the OSCARâ€IB criteria. Annals of Clinical and Translational Neurology, 2021, 8, 1528-1542.	1.7	33
104	Risk Factors for Age-Related Maculopathy. Journal of Ophthalmology, 2009, 2009, 1-39.	0.6	32
105	Efficacy of dexamethasone versus bevacizumab on regression of hard exudates in diabetic maculopathy: data from the BEVORDEX randomised clinical trial. British Journal of Ophthalmology, 2016, 100, 1000-1004.	2.1	32
106	Different phenotypes of the appearance of the outer plexiform layer on optical coherence tomography. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 2311-2317.	1.0	31
107	The Retinal Disease Screening Study: Prospective Comparison of Nonmydriatic Fundus Photography and Optical Coherence Tomography for Detection of Retinal Irregularities. , 2013, 54, 1460.		31
108	Characterizing the lacrimal punctal region using anterior segment optical coherence tomography. Acta Ophthalmologica, 2016, 94, 154-159.	0.6	31

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109	Evaluation of Objective Vitritis Grading Method Using Optical Coherence Tomography: Influence of Phakic Status and Previous Vitrectomy. American Journal of Ophthalmology, 2016, 161, 172-180.e4.	1.7	31
110	Paracentral Acute Middle Maculopathy in Sickle Cell Disease. JAMA Ophthalmology, 2015, 133, 614.	1.4	30
111	Objective Evaluation of Proliferative Diabetic Retinopathy Using OCT. Ophthalmology Retina, 2020, 4, 164-174.	1.2	30
112	Predicting visual outcomes for macular disease using optical coherence tomography. Saudi Journal of Ophthalmology, 2011, 25, 145-158.	0.3	29
113	Associations with Corneal Hysteresis in a Population Cohort. Ophthalmology, 2019, 126, 1500-1510.	2.5	29
114	Clinical Applications of Long-Wavelength (1,000-nm) Optical Coherence Tomography. Ophthalmic Surgery Lasers and Imaging Retina, 2011, 42, S67-74.	0.4	29
115	Choroidal assessment in idiopathic panuveitis using optical coherence tomography. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 2029-2036.	1.0	27
116	Insights From Survival Analyses During 12 Years of Antiâ€"Vascular Endothelial Growth Factor Therapy for Neovascular Age-Related Macular Degeneration. JAMA Ophthalmology, 2021, 139, 57.	1.4	27
117	AI-facilitated health care requires education of clinicians. Lancet, The, 2021, 397, 1254.	6.3	27
118	Intravitreal injections: past trends and future projections within a UK tertiary hospital. Eye, 2022, 36, 1373-1378.	1.1	27
119	Relationship between angiographic and optical coherence tomographic (OCT) parameters for quantifying choroidal neovascular lesions. Graefe's Archive for Clinical and Experimental Ophthalmology, 2010, 248, 175-184.	1.0	26
120	Optical Coherence Tomography Angiography of Choroidal Neovascularization Associated with Tuberculous Serpiginous-like Choroiditis. Ocular Immunology and Inflammation, 2016, 24, 699-701.	1.0	26
121	Moorfields AMD database report 2: fellow eye involvement with neovascular age-related macular degeneration. British Journal of Ophthalmology, 2020, 104, 684-690.	2.1	26
122	Evaluation of Nonperfused Retinal Vessels in Ischemic Retinopathy. , 2016, 57, 5031.		25
123	One- and two-year visual outcomes from the Moorfields age-related macular degeneration database: a retrospective cohort study and an open science resource. BMJ Open, 2019, 9, e027441.	0.8	25
124	Hypertensive eye disease. Nature Reviews Disease Primers, 2022, 8, 14.	18.1	25
125	Evaluation of Cystoid Change Phenotypes in Ocular Toxoplasmosis Using Optical Coherence Tomography. PLoS ONE, 2014, 9, e86626.	1.1	24
126	Segmentation error in spectral domain optical coherence tomography measures of the retinal nerve fibre layer thickness in idiopathic intracranial hypertension. BMC Ophthalmology, 2017, 17, 257.	0.6	24

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127	Comparative Analysis of Anterior Chamber Flare Grading between Clinicians with Different Levels of Experience and Semi-automated Laser Flare Photometry. Ocular Immunology and Inflammation, 2016, 24, 1-10.	1.0	23
128	Quantitative analysis of vitreous inflammation using optical coherence tomography in patients receiving sub-Tenon's triamcinolone acetonide for uveitic cystoid macular oedema. British Journal of Ophthalmology, 2017, 101, 175-179.	2.1	23
129	Intravitreal aflibercept for diabetic macular oedema: Moorfieldsâ€™ real-world 12-month visual acuity and anatomical outcomes. European Journal of Ophthalmology, 2020, 30, 557-562.	0.7	23
130	Predicting Incremental and Future Visual Change in Neovascular Age-Related Macular Degeneration Using Deep Learning. Ophthalmology Retina, 2021, 5, 1074-1084.	1.2	23
131	Artificial Intelligence to Reduce Ocular Health Disparities: Moving From Concept to Implementation. Translational Vision Science and Technology, 2021, 10, 19.	1.1	23
132	Validation and Clinical Applicability of Whole-Volume Automated Segmentation of Optical Coherence Tomography in Retinal Disease Using Deep Learning. JAMA Ophthalmology, 2021, 139, 964.	1.4	23
133	Diabetic macular ischaemia is associated with narrower retinal arterioles in patients with type 2 diabetes. Acta Ophthalmologica, 2015, 93, e45-51.	0.6	22
134	Optical Coherence Tomography Features Of Active And Inactive Retinal Neovascularization In Proliferative Diabetic Retinopathy. Retina, 2016, 36, 1132-1142.	1.0	22
135	Time to regenerate: the doctor in the age of artificial intelligence. Journal of the Royal Society of Medicine, 2018, 111, 113-116.	1.1	22
136	Anterior Segment Optical Coherence Tomographic Angiography Assessment of Acute Chemical Injury. American Journal of Ophthalmology, 2019, 205, 165-174.	1.7	22
137	Advanced OCT Analysis of Biopsy-proven Vitreoretinal Lymphoma. American Journal of Ophthalmology, 2022, 238, 16-26.	1.7	22
138	Deep Learning to Detect OCT-derived Diabetic Macular Edema from Color Retinal Photographs. Ophthalmology Retina, 2022, 6, 398-410.	1.2	22
139	AlzEye: longitudinal record-level linkage of ophthalmic imaging and hospital admissions of 353â€‰157 patients in London, UK. BMJ Open, 2022, 12, e058552.	0.8	22
140	MULTIMODALITY IMAGING OF TORPEDO MACULOPATHY WITH SWEPT-SOURCE, EN FACE OPTICAL COHERENCE TOMOGRAPHY AND OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retinal Cases and Brief Reports, 2018, 12, 153-157.	0.3	21
141	A Study of the Natural History of Vitreomacular Traction Syndrome by OCT. Ophthalmology, 2018, 125, 701-707.	2.5	21
142	Longitudinal Development of Peripapillary Hyperâ€Reflective Ovoid Masslike Structures Suggests a Novel Pathological Pathway in <scp>Multiple Sclerosis</scp>. Annals of Neurology, 2020, 88, 309-319.	2.8	21
143	Will AI Replace Ophthalmologists?. Translational Vision Science and Technology, 2020, 9, 2.	1.1	21
144	Automated deep learning in ophthalmology: AI that can build AI. Current Opinion in Ophthalmology, 2021, 32, 406-412.	1.3	21

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145	AutoMorph: Automated Retinal Vascular Morphology Quantification Via a Deep Learning Pipeline. Translational Vision Science and Technology, 2022, 11, 12.	1.1	21
146	Assessment of Differential Pharmacodynamic Effects Using Optical Coherence Tomography in Neovascular Age-Related Macular Degeneration. , 2012, 53, 1152.		20
147	Impact of scanning density on spectral domain optical coherence tomography assessments in neovascular ageâ€related macular degeneration. Acta Ophthalmologica, 2012, 90, e274-80.	0.6	20
148	The Application of Infrared Imaging and Optical Coherence Tomography of the Lacrimal Punctum in Patients Undergoing Punctoplasty for Epiphora. Ophthalmology, 2017, 124, 910-917.	2.5	20
149	Automated analysis of retinal imaging using machine learningÂtechniques for computer vision. F1000Research, 2016, 5, 1573.	0.8	20
150	Optical coherence tomography (OCT) in unconscious and systemically unwell patients using a mobile OCT device: a pilot study. BMJ Open, 2019, 9, e030882.	0.8	20
151	Delivering personalized medicine in retinal care: from artificial intelligence algorithms to clinical application. Current Opinion in Ophthalmology, 2020, 31, 329-336.	1.3	20
152	Retinal asymmetry in multiple sclerosis. Brain, 2021, 144, 224-235.	3.7	20
153	Lamination of the Outer Plexiform Layer in Optic Atrophy Caused by Dominant WFS1 Mutations. Ophthalmology, 2016, 123, 1624-1626.	2.5	19
154	QUANTITATIVE ANALYSIS OF PIGMENT EPITHELIAL DETACHMENT RESPONSE TO DIFFERENT ANTIâ€“VASCULAR ENDOTHELIAL GROWTH FACTOR AGENTS IN WET AGE-RELATED MACULAR DEGENERATION. Retina, 2017, 37, 1297-1304.	1.0	19
155	Clinical Phenotypes of Poppers Maculopathy and Their Links to Visual and Anatomic Recovery. Ophthalmology, 2017, 124, 1425-1427.	2.5	19
156	Characterizing the Occluded Lacrimal Punctum Using Anterior Segment Optical Coherence Tomography. Ophthalmic Plastic and Reconstructive Surgery, 2018, 34, 26-30.	0.4	19
157	Phenotyping of retinal neovascularization in ischemic retinal vein occlusion using wide field OCT angiography. Eye, 2021, 35, 2812-2819.	1.1	19
158	Gabor fusion master slave optical coherence tomography. Biomedical Optics Express, 2017, 8, 813.	1.5	18
159	Human Factor and Usability Testing of a Binocular Optical Coherence Tomography System. Translational Vision Science and Technology, 2017, 6, 16.	1.1	18
160	UK Neovascular Age-Related Macular Degeneration Database. Report 6: time to retreatment after a pause in therapy. Outcomes from 92â€...976 intravitreal ranibizumab injections. British Journal of Ophthalmology, 2016, 100, 1617-1622.	2.1	17
161	Enablers and Barriers to Deployment of Smartphone-Based Home Vision Monitoring in Clinical Practice Settings. JAMA Ophthalmology, 2022, 140, 153.	1.4	17
162	Vascular Changes in Eyes Treated with Dexamethasone Intravitreal Implant for Macular Edema after Retinal Vein Occlusion. Ophthalmology, 2013, 120, 1423-1431.	2.5	16

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163	Corner-Based Geometric Calibration of Multi-focus Plenoptic Cameras. , 2017, , .		16
164	Instrument-based Tests for Measuring Anterior Chamber Cells in Uveitis: A Systematic Review. Ocular Immunology and Inflammation, 2020, 28, 898-907.	1.0	16
165	From Data to Deployment. Ophthalmology, 2022, 129, e43-e59.	2.5	16
166	Retinal vein occlusion and macular edema – critical evaluation of the clinical value of ranibizumab. Clinical Ophthalmology, 2011, 5, 771.	0.9	15
167	Atypical Outer Retinal Fluid Accumulation in Choroidal Neovascularization: A Novel OCT Finding. Ophthalmic Surgery Lasers and Imaging Retina, 2013, 44, S11-S18.	0.4	15
168	SUBCLINICAL MACULAR CHANGES AND DISEASE LATERALITY IN PEDIATRIC COATS DISEASE DETERMINED BY QUANTITATIVE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2019, 39, 2392-2398.	1.0	15
169	Associations with photoreceptor thickness measures in the UK Biobank. Scientific Reports, 2019, 9, 19440.	1.6	15
170	Optical Coherence Tomography in Pediatric Ophthalmology: Current Roles and Future Directions. Ophthalmic Surgery Lasers and Imaging Retina, 2013, 44, S19-S29.	0.4	15
171	OPTICAL COHERENCE TOMOGRAPHY FINDINGS IN DEFERASIROX-RELATED MACULOPATHY. Retinal Cases and Brief Reports, 2010, 4, 229-232.	0.3	14
172	The Ocular Glymphatic System and Idiopathic Intracranial Hypertension: Author Response to â€œHypodense Holes and the Ocular Glymphatic Systemâ€•, 2017, 58, 1134.		14
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