Adnan Tufail

List of Publications by Citations

84 papers	3,787 citations	29 h-index	61 g-index
89 ext. papers	4,977 ext. citations	5.2 avg, IF	5.08 L-index

#	Paper	IF	Citations
84	Clinically applicable deep learning for diagnosis and referral in retinal disease. *Nature Medicine*, **2018**, 24, 1342-1350	50.5	938
83	Consensus Definition for Atrophy Associated with Age-Related Macular Degeneration on OCT: Classification of Atrophy Report 3. *Ophthalmology*, **2018**, 125, 537-548	7.3	253
82	Efficacy and Safety of Lampalizumab for Geographic Atrophy Due to Age-Related Macular Degeneration: Chroma and Spectri Phase 3 Randomized Clinical Trials. *JAMA Ophthalmology*, **2018**, 136, 666-677	3.9	166
81	Bevacizumab for neovascular age related macular degeneration (ABC Trial): multicentre randomised double masked study. *BMJ, The*, **2010**, 340, c2459	5.9	152
80	Imaging Protocols in Clinical Studies in Advanced Age-Related Macular Degeneration: Recommendations from Classification of Atrophy Consensus Meetings. *Ophthalmology*, **2017**, 124, 464-478	7.3	110
79	Automated Diabetic Retinopathy Image Assessment Software: Diagnostic Accuracy and Cost-Effectiveness Compared with Human Graders. *Ophthalmology*, **2017**, 124, 343-351	7.3	110
78	Differentiating drusen: Drusen and drusen-like appearances associated with ageing, age-related macular degeneration, inherited eye disease and other pathological processes. *Progress in Retinal and Eye Research*, **2016**, 53, 70-106	20.5	109
77	Myopic choroidal neovascularisation: current concepts and update on clinical management. *British Journal of Ophthalmology*, **2015**, 99, 289-96	5.5	103
76	The effects of macular ischemia on visual acuity in diabetic retinopathy **2013**, 54, 2353-60		100
75	Sensitivity and specificity of spectral-domain optical coherence tomography in detecting idiopathic polypoidal choroidal vasculopathy. *American Journal of Ophthalmology*, **2014**, 158, 1228-1238.e1	4.9	97
74	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	4.9	94
73	The neovascular age-related macular degeneration database: report 2: incidence, management, and visual outcomes of second treated eyes. *Ophthalmology*, **2014**, 121, 1966-75	7.3	87
72	The Evaluation of Diabetic Macular Ischemia Using Optical Coherence Tomography Angiography **2016**, 57, 626-31		79
71	Ranibizumab in myopic choroidal neovascularization: the 12-month results from the REPAIR study. *Ophthalmology*, **2013**, 120, 1944-5.e1	7.3	76
70	Defining a Minimum Set of Standardized Patient-centered Outcome Measures for Macular Degeneration. *American Journal of Ophthalmology*, **2016**, 168, 1-12	4.9	73
69	Incomplete Retinal Pigment Epithelial and Outer Retinal Atrophy in Age-Related Macular Degeneration: Classification of Atrophy Meeting Report 4. *Ophthalmology*, **2020**, 127, 394-409	7.3	67
68	Systematic Evaluation of Optical Coherence Tomography Angiography in Retinal Vein Occlusion. *American Journal of Ophthalmology*, **2016**, 163, 93-107.e6	4.9	66

67	Artificial Intelligence Screening for Diabetic Retinopathy: the Real-World Emerging Application. *Current Diabetes Reports*, **2019**, 19, 72	5.6	60
66	An observational study to assess if automated diabetic retinopathy image assessment software can replace one or more steps of manual imaging grading and to determine their cost-effectiveness. *Health Technology Assessment*, **2016**, 20, 1-72	4.4	56
65	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, 101-10.e1	4.9	51
64	Quantitative analysis of diabetic macular ischemia using optical coherence tomography **2014**, 55, 417-23		51
63	Predictive factors for the progression of diabetic macular ischemia. *American Journal of Ophthalmology*, **2013**, 156, 684-92	4.9	49
62	The Evolution of Teleophthalmology Programs in the United Kingdom: Beyond Diabetic Retinopathy Screening. *Journal of Diabetes Science and Technology*, **2016**, 10, 308-17	4.1	48
61	MACUSTAR: Development and Clinical Validation of Functional, Structural, and Patient-Reported Endpoints in Intermediate Age-Related Macular Degeneration. *Ophthalmologica*, **2019**, 241, 61-72	3.7	44
60	Phase I Trial of Anti-Vascular Endothelial Growth Factor/Anti-angiopoietin 2 Bispecific Antibody RG7716 for Neovascular Age-Related Macular Degeneration. *Ophthalmology Retina*, **2017**, 1, 474-485	3.8	42
59	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, 1045-50	5.5	36
58	COMPARING FUNDUS FLUORESCEIN ANGIOGRAPHY AND SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY IN THE EVALUATION OF DIABETIC MACULAR PERFUSION. *Retina*, **2019**, 39, 926-937	3.6	31
57	Prophylactic argon laser retinopexy prior to removal of silicone oil: a pilot study. *Eye*, **1997**, 11 (Pt 3), 328-30	4.4	30
56	Three-Year Outcomes of Aflibercept Treatment for Neovascular Age-Related Macular Degeneration: Evidence from a Clinical Setting. *Ophthalmology and Therapy*, **2018**, 7, 361-368	5	29
55	Associations with Retinal Pigment Epithelium Thickness Measures in a Large Cohort: Results from the UK Biobank. *Ophthalmology*, **2017**, 124, 105-117	7.3	29
54	Prospective evaluation of an artificial intelligence-enabled algorithm for automated diabetic retinopathy screening of 30□000 patients. *British Journal of Ophthalmology*, **2021**, 105, 723-728	5.5	27
53	Safety and Feasibility of a Novel Sparse Optical Coherence Tomography Device for Patient-Delivered Retina Home Monitoring. *Translational Vision Science and Technology*, **2018**, 7, 8	3.3	26
52	Imaging Features Associated with Progression to Geographic Atrophy in Age-Related Macular Degeneration: Classification of Atrophy Meeting Report 5. *Ophthalmology Retina*, **2021**, 5, 855-867	3.8	25
51	Paracentral acute middle maculopathy in sickle cell disease. *JAMA Ophthalmology*, **2015**, 133, 614-6	3.9	23
50	A randomised, double-masked phase III/IV study of the efficacy and safety of Avastin(R) (Bevacizumab) intravitreal injections compared to standard therapy in subjects with choroidal neovascularisation secondary to age-related macular degeneration: clinical trial design. *Trials*, **2008**, 9, 56	2.8	21

49	UK Age-Related Macular Degeneration Electronic Medical Record System (AMD EMR) Users Group Report IV: Incidence of Blindness and Sight Impairment in Ranibizumab-Treated Patients. *Ophthalmology*, **2016**, 123, 2386-2392	7.3	21
48	High-Performance Virtual Reality Volume Rendering of Original Optical Coherence Tomography Point-Cloud Data Enhanced With Real-Time Ray Casting. *Translational Vision Science and Technology* , **2018**, 7, 2	3.3	20
47	Anti-Vascular Endothelial Growth Factor Use and Atrophy in Neovascular Age-Related Macular Degeneration: Systematic Literature Review and Expert Opinion. *Ophthalmology*, **2020**, 127, 648-659	7.3	20
46	Evaluation of Nonperfused Retinal Vessels in Ischemic Retinopathy **2016**, 57, 5031-5037		20
45	A 12-month, multicenter, parallel group comparison of dexamethasone intravitreal implant versus ranibizumab in branch retinal vein occlusion. *European Journal of Ophthalmology*, **2018**, 28, 697-705	1.9	19
44	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	3	17
43	The other CNVM: a review of myopic choroidal neovascularization treatment in the age of anti-vascular endothelial growth factor agents. *Survey of Ophthalmology*, **2015**, 60, 204-15	6.1	16
42	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	5.5	16
41	A study of whether automated Diabetic Retinopathy Image Assessment could replace manual grading steps in the English National Screening Programme. *Journal of Medical Screening*, **2015**, 22, 112-8	1.4	14
40	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	3	14
39	UK Neovascular Age-Related Macular Degeneration Database. Report 6: time to retreatment after a pause in therapy. Outcomes from 92 976 intravitreal ranibizumab injections. *British Journal of Ophthalmology*, **2016**, 100, 1617-1622	5.5	13
38	Progression of Retinopathy Secondary to Maternally Inherited Diabetes and Deafness - Evaluation of Predicting Parameters. *American Journal of Ophthalmology*, **2020**, 213, 134-144	4.9	11
37	Enhanced resolution and speckle-free three-dimensional printing of macular optical coherence tomography angiography. *Acta Ophthalmologica*, **2019**, 97, e317-e319	3.7	11
36	Natural history and effect of therapeutic interventions on subretinal fluid causing foveal detachment in macular telangiectasia type 2. *British Journal of Ophthalmology*, **2017**, 101, 955-959	5.5	10
35	Distribution of peripheral lesions identified by mydriatic ultra-wide field fundus imaging in diabetic retinopathy. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2020**, 258, 725-733	3.8	10
34	Retinopathy Associated with Biallelic Mutations in PYGM (McArdle Disease). *Ophthalmology*, **2019**, 126, 320-322	7.3	10
33	Post-marketing surveillance study of the safety of dexamethasone intravitreal implant in patients with retinal vein occlusion or noninfectious posterior segment uveitis. *Clinical Ophthalmology*, **2018** , 12, 2519-2534	2.5	10
32	3D printing of the choroidal vessels and tumours based on optical coherence tomography. *Acta Ophthalmologica*, **2019**, 97, e313-e316	3.7	9

31	Interdevice variability of central corneal thickness measurement. *PLoS ONE*, **2018**, 13, e0203884	3.7	9
30	Clinical study protocol for a low-interventional study in intermediate age-related macular degeneration developing novel clinical endpoints for interventional clinical trials with a regulatory and patient access intention-MACUSTAR. *Trials*, **2020**, 21, 659	2.8	8
29	Comparison of true-colour wide-field confocal scanner imaging with standard fundus photography for diabetic retinopathy screening. *British Journal of Ophthalmology*, **2020**, 104, 1579-1584	5.5	7
28	VISUAL ACUITY IMPROVEMENT WHEN SWITCHING FROM RANIBIZUMAB TO AFLIBERCEPT IS NOT SUSTAINED. *Retina*, **2018**, 38, 951-956	3.6	7
27	A simple method for in vivo labelling of infiltrating leukocytes in the mouse retina using indocyanine green dye. *DMM Disease Models and Mechanisms*, **2015**, 8, 1479-87	4.1	6
26	Visual benefit versus visual gain: what is the effect of baseline covariants in the treatment arm relative to the control arm? A pooled analysis of ANCHOR and MARINA. *British Journal of Ophthalmology*, **2020**, 104, 672-677	5.5	6
25	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	5.5	6
24	Reliability of Retinal Pathology Quantification in Age-Related Macular Degeneration: Implications for Clinical Trials and Machine Learning Applications. *Translational Vision Science and Technology*, **2021**, 10, 4	3.3	6
23	Quantification of Key Retinal Features in Early and Late Age-Related Macular Degeneration Using Deep Learning. *American Journal of Ophthalmology*, **2021**, 226, 1-12	4.9	6
22	Feasibility of support vector machine learning in age-related macular degeneration using small sample yielding sparse optical coherence tomography data. *Acta Ophthalmologica*, **2019**, 97, e719-e728	3.7	5
21	Structural Features Associated With the Development and Progression of RORA Secondary to Maternally Inherited Diabetes and Deafness. *American Journal of Ophthalmology*, **2020**, 218, 136-147	4.9	5
20	Novel biomarker of sphericity and cylindricity indices in volume-rendering optical coherence tomography angiography in normal and diabetic eyes: a preliminary study. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2020**, 258, 711-723	3.8	5
19	OPTIMIZING INDIVIDUALIZED THERAPY WITH BEVACIZUMAB FOR NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. *Retina*, **2012**,	3.6	4
18	Associations with photoreceptor thickness measures in the UK Biobank. *Scientific Reports*, **2019**, 9, 19440	4.9	4
17	Sight-threatening diabetic eye disease: an update and review of the literature. *British Journal of General Practice*, **2014**, 64, e678-80	1.6	2
16	Volume rendering of superficial optic disc drusen. *Spektrum Der Augenheilkunde*, **2017**, 31, 288-293	0	2
15	Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration: A Mendelian Randomization Study. *JAMA Ophthalmology*, **2021**,	3.9	2
14	Incorporating Spatial Information for Microaneurysm Detection in Retinal Images. *Advances in Science, Technology and Engineering Systems*, **2017**, 2, 642-649	0.3	2

13	Structure-Function Analysis in Macular Drusen With Mesopic and Scotopic Microperimetry. *Translational Vision Science and Technology*, **2020**, 9, 43	3.3	2
12	Use of Mechanical Turk as a MapReduce Framework for Macular OCT Segmentation. *Journal of Ophthalmology*, **2016**, 2016, 6571547	2	2
11	Evolving Treatment Patterns and Outcomes of Neovascular Age-Related Macular Degeneration Over a Decade. *Ophthalmology Retina*, **2021**, 5, e11-e22	3.8	2
10	Trustworthy AI: Closing the gap between development and integration of AI systems in ophthalmic practice.. *Progress in Retinal and Eye Research*, **2021**, 101034	20.5	2
9	Subacute bilateral vision loss resulting from dengue maculopathy. *BMJ Case Reports*, **2013**, 2013,	0.9	1
8	Challenges, facilitators and barriers to screening study participants in early disease stages-experience from the MACUSTAR study. *BMC Medical Research Methodology*, **2021**, 21, 54	4.7	1
7	FENETRE study: quality-assured follow-up of quiescent neovascular age-related macular degeneration by non-medical practitioners: study protocol and statistical analysis plan for a randomised controlled trial. *BMJ Open*, **2021**, 11, e049411	3	1
6	Use of Composite End Points in Early and Intermediate Age-Related Macular Degeneration Clinical Trials: State-of-the-Art and Future Directions. *Ophthalmologica*, **2021**, 244, 387-395	3.7	0
5	Reply. *Ophthalmology*, **2018**, 125, e86	7.3	0
4	Effect of ethnicity and other sociodemographic factors on attendance at diabetic eye screening: a 12-month retrospective cohort study. *BMJ Open*, **2021**, 11, e046264	3	0
3	Multimodal retinal imaging in the diagnosis of intraretinal microvascular abnormality. *Expert Review of Ophthalmology*, **2016**, 11, 485-495	1.5	
2	Feasibility Study of Subfoveal Choroidal Thickness Changes in Spectral-Domain Optical Coherence Tomography Measurements of Macular Telangiectasia Type 2. *Lecture Notes in Computer Science*, **2018**, 303-309	0.9	
1	Estimating excess visual loss from neovascular age-related macular degeneration in the UK during the COVID-19 pandemic: a retrospective clinical audit and simulation model.. *BMJ Open*, **2022**, 12, e057269	3	