Xiaoxuan Liu

List of Publications by Citations

48 papers	1,373 citations	15 h-index	36 g-index
51 ext. papers	2,471 ext. citations	12.3 avg, IF	4.8 L-index

#	Paper	IF	Citations
48	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	14.4	450
47	Reporting guidelines for clinical trial reports for interventions involving artificial intelligence: the CONSORT-AI extension. *Nature Medicine*, **2020**, 26, 1364-1374	50.5	136
46	Guidelines for clinical trial protocols for interventions involving artificial intelligence: the SPIRIT-AI extension. *Nature Medicine*, **2020**, 26, 1351-1363	50.5	106
45	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	14.4	91
44	Developing specific reporting guidelines for diagnostic accuracy studies assessing AI interventions: The STARD-AI Steering Group. *Nature Medicine*, **2020**, 26, 807-808	50.5	84
43	Reporting guidelines for clinical trial reports for interventions involving artificial intelligence: the CONSORT-AI Extension. *BMJ, The*, **2020**, 370, m3164	5.9	73
42	Guidelines for clinical trial protocols for interventions involving artificial intelligence: the SPIRIT-AI Extension. *BMJ, The*, **2020**, 370, m3210	5.9	53
41	A global review of publicly available datasets for ophthalmological imaging: barriers to access, usability, and generalisability. *The Lancet Digital Health*, **2021**, 3, e51-e66	14.4	41
40	Guidelines for clinical trial protocols for interventions involving artificial intelligence: the SPIRIT-AI extension. *The Lancet Digital Health*, **2020**, 2, e549-e560	14.4	36
39	Insights into Systemic Disease through Retinal Imaging-Based Oculomics. *Translational Vision Science and Technology*, **2020**, 9, 6	3.3	34
38	Reporting guidelines for clinical trial reports for interventions involving artificial intelligence: the CONSORT-AI extension. *The Lancet Digital Health*, **2020**, 2, e537-e548	14.4	34
37	Extension of the CONSORT and SPIRIT statements. *Lancet, The*, **2019**, 394, 1225	40	31
36	Health data poverty: an assailable barrier to equitable digital health care. *The Lancet Digital Health*, **2021**, 3, e260-e265	14.4	26
35	Code-free deep learning for multi-modality medical image classification. *Nature Machine Intelligence*, **2021**, 3, 288-298	22.5	21
34	Reporting guidelines for clinical trials of artificial intelligence interventions: the SPIRIT-AI and CONSORT-AI guidelines. *Trials*, **2021**, 22, 11	2.8	16
33	Cytokines as effectors and predictors of responses in the treatment of bladder cancer by bacillus Calmette-Guﬂin. *Future Oncology*, **2014**, 10, 1443-56	3.6	15
32	Developing a reporting guideline for artificial intelligence-centred diagnostic test accuracy studies: the STARD-AI protocol. *BMJ Open*, **2021**, 11, e047709	3	12

31	Optical coherence tomography (OCT) in unconscious and systemically unwell patients using a mobile OCT device: a pilot study. *BMJ Open*, **2019**, 9, e030882	3	11
30	Characteristics of publicly available skin cancer image datasets: a systematic review. *The Lancet Digital Health*, **2021**,	14.4	10
29	ReLayer: a Free, Online Tool for Extracting Retinal Thickness From Cross-Platform OCT Images. *Translational Vision Science and Technology*, **2019**, 8, 25	3.3	9
28	Evaluating the Impact of Uveitis on Visual Field Progression Using Large-Scale Real-World Data. *American Journal of Ophthalmology*, **2019**, 207, 144-150	4.9	8
27	Merging Information From Infrared and Autofluorescence Fundus Images for Monitoring of Chorioretinal Atrophic Lesions. *Translational Vision Science and Technology*, **2020**, 9, 38	3.3	6
26	Instrument-based Tests for Measuring Anterior Chamber Cells in Uveitis: A Systematic Review. *Ocular Immunology and Inflammation*, **2020**, 28, 898-907	2.8	6
25	A quality assessment tool for artificial intelligence-centered diagnostic test accuracy studies: QUADAS-AI. *Nature Medicine*, **2021**, 27, 1663-1665	50.5	5
24	The medical algorithmic audit.. *The Lancet Digital Health*, **2022**,	14.4	5
23	Patient reported outcome assessment must be inclusive and equitable.. *Nature Medicine*, **2022**,	50.5	5
22	Reporting guidelines for artificial intelligence in healthcare research. *Clinical and Experimental Ophthalmology*, **2021**, 49, 470-476	2.4	4
21	Imaging-Based Uveitis Surveillance in Juvenile Idiopathic Arthritis: Feasibility, Acceptability, and Diagnostic Performance. *Arthritis and Rheumatology*, **2021**, 73, 330-335	9.5	4
20	Reporting guideline for the early-stage clinical evaluation of decision support systems driven by artificial intelligence: DECIDE-AI.. *Nature Medicine*, **2022**, 28, 924-933	50.5	4
19	Instrument-based tests for measuring anterior chamber cells in uveitis: a systematic review protocol. *Systematic Reviews*, **2019**, 8, 30	3	3
18	Acetazolamide can cause acute hypercrystalluria. *BMJ, The*, **2018**, 362, k3400	5.9	3
17	Noninvasive Instrument-based Tests for Detecting and Measuring Vitreous Inflammation in Uveitis: A Systematic Review. *Ocular Immunology and Inflammation*, **2020**, 1-12	2.8	3
16	Automated quantification of posterior vitreous inflammation: optical coherence tomography scan number requirements. *Scientific Reports*, **2021**, 11, 3271	4.9	3
15	Reporting guideline for the early stage clinical evaluation of decision support systems driven by artificial intelligence: DECIDE-AI.. *BMJ, The*, **2022**, 377, e070904	5.9	3
14	Patient priorities in herpes simplex keratitis. *BMJ Open Ophthalmology*, **2019**, 4, e000177	3.2	2

13	Patent foramen ovale presenting as visual loss. *JRSM Open*, **2016**, 8, 2054270416669302	0.5	2
12	Structural Endpoints and Outcome Measures in Uveitis. *Ophthalmologica*, **2021**, 244, 465-479	3.7	2
11	Instrument-based tests for quantifying aqueous humour protein levels in uveitis: a systematic review protocol. *Systematic Reviews*, **2019**, 8, 287	3	2
10	Raising the Bar for Randomized Trials Involving Artificial Intelligence: The SPIRIT-Artificial Intelligence and CONSORT-Artificial Intelligence Guidelines. *Journal of Investigative Dermatology*, **2021**, 141, 2109-2111	4.3	2
9	Non-invasive Instrument-Based Tests for Quantifying Anterior Chamber Flare in Uveitis: A Systematic Review. *Ocular Immunology and Inflammation*, **2020**, 1-9	2.8	1
8	OCT Assisted Quantification of Vitreous Inflammation in Uveitis.. *Translational Vision Science and Technology*, **2022**, 11, 3	3.3	1
7	Going on up to the SPIRIT in AI: will new reporting guidelines for clinical trials of AI interventions improve their rigour?. *BMC Medicine*, **2020**, 18, 272	11.4	1
6	AlzEye: longitudinal record-level linkage of ophthalmic imaging and hospital admissions of 353 157 patients in London, UK.. *BMJ Open*, **2022**, 12, e058552	3	1
5	Building an evidence standards framework for artificial intelligence-enabled digital health technologies.. *The Lancet Digital Health*, **2022**, 4, e216-e217	14.4	1
4	Measuring Inflammation in the Vitreous and Retina: A Narrative Review.. *Ocular Immunology and Inflammation*, **2022**, 1-10	2.8	1
3	Ethics methods are required as part of reporting guidelines for artificial intelligence in healthcare. *Nature Machine Intelligence*, **2022**, 4, 316-317	22.5	1
2	Teleophthalmology-enabled and artificial intelligence-ready referral pathway for community optometry referrals of retinal disease (HERMES): a Cluster Randomised Superiority Trial with a linked Diagnostic Accuracy Study-HERMES study report 1-study protocol.. *BMJ Open*, **2022**, 12, e055845	3	0
1	The Uveitis Patient Passport: A Self-Care Tool. *Ocular Immunology and Inflammation*, **2020**, 28, 433-438	2.8	