Aaron S Coyner

List of Publications by Year
in descending order

17 papers	434 citations	1039406 9 h-index	1125271 13 g-index
17 all docs	17 docs citations	17 times ranked	463 citing authors

#	Article	IF	Citations
1	Introduction to Machine Learning, Neural Networks, and Deep Learning. Translational Vision Science and Technology, 2020, 9, 14.	1.1	146
2	Automated Fundus Image Quality Assessment in Retinopathy of Prematurity Using Deep Convolutional Neural Networks. Ophthalmology Retina, 2019, 3, 444-450.	1.2	45
3	Long-term Characterization of Retinal Degeneration in Royal College of Surgeons Rats Using Spectral-Domain Optical Coherence Tomography. , 2017, 58, 1378.		43
4	Deep Learning for the Diagnosis of Stage inÂRetinopathy of Prematurity. Ophthalmology Retina, 2021, 5, 1027-1035.	1.2	31
5	Aggressive Posterior Retinopathy of Prematurity. Ophthalmology, 2020, 127, 1105-1112.	2.5	27
6	Deepfakes in Ophthalmology. Ophthalmology Science, 2021, 1, 100079.	1.0	20
7	Federated Learning for Multicenter Collaboration in Ophthalmology. Ophthalmology Retina, 2022, 6, 657-663.	1.2	20
8	External Validation of a Retinopathy of Prematurity Screening Model Using Artificial Intelligence in 3 Low- and Middle-Income Populations. JAMA Ophthalmology, 2022, 140, 791.	1.4	19
9	Sarpogrelate, a 5-HT_{2A}Receptor Antagonist, Protects the Retina From Light-Induced Retinopathy. , 2015, 56, 4560.		18
10	Federated Learning for Multicenter Collaboration in Ophthalmology. Ophthalmology Retina, 2022, 6, 650-656.	1.2	15
11	Retinal Neuroprotective Effects of Flibanserin, an FDA-Approved Dual Serotonin Receptor Agonist-Antagonist. PLoS ONE, 2016, 11, e0159776.	1.1	13
12	Synthetic Medical Images for Robust,ÂPrivacy-Preserving Training of Artificial Intelligence. Ophthalmology Science, 2022, 2, 100126.	1.0	11
13	Deep Learning for Image Quality Assessment of Fundus Images in Retinopathy of Prematurity. AMIA ... Annual Symposium proceedings, 2018, 2018, 1224-1232.	0.2	9
14	The Role of ERK1/2 Activation in Sarpogrelate-Mediated Neuroprotection. , 2018, 59, 462.		7
15	Demystifying the Jargon: The Bridge between Ophthalmology and Artificial Intelligence. Ophthalmology Retina, 2019, 3, 291-293.	1.2	6
16	SCLERAL PITS IN CHOROIDEREMIA. Retina, 2018, 38, 1725-1730.	1.0	4
17	A Minimally Supervised Approach for Medical Image Quality Assessment in Domain Shift Settings. , 2022, , .		0