

Hongying Tang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

264
citations

1307594

7
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

300
citing authors

#	ARTICLE	IF	CITATIONS
1	Localizing Microaneurysms in Fundus Images Through Singular Spectrum Analysis. IEEE Transactions on Biomedical Engineering, 2017, 64, 990-1002.	4.2	76
2	High correlation between performance on a virtual reality simulator and real life cataract surgery. Acta Ophthalmologica, 2017, 95, 307-311.	1.1	61
3	Binary Online Learned Descriptors. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 555-567.	13.9	26
4	PhacoTracking. JAMA Ophthalmology, 2013, 131, 659.	2.5	24
5	Loss of phenotypic inheritance associated with <i>ydcl</i> mutation leads to increased frequency of small, slow persisters in <i>Escherichia coli</i> . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4152-4157.	7.1	17
6	The Reading of Components of Diabetic Retinopathy: An Evolutionary Approach for Filtering Normal Digital Fundus Imaging in Screening and Population Based Studies. PLoS ONE, 2013, 8, e66730.	2.5	16
7	Evidence Based Prediction and Progression Monitoring on Retinal Images from Three Nations. Translational Vision Science and Technology, 2020, 9, 44.	2.2	9
8	Computer analysis of individual cataract surgery segments in the operating room. Eye, 2019, 33, 313-319.	2.1	8
9	Man versus Machine: Software Training for Surgeons—An Objective Evaluation of Human and Computer-Based Training Tools for Cataract Surgical Performance. Journal of Ophthalmology, 2016, 2016, 1-7.	1.3	6
10	Surgical efficiency in femtosecond laser cataract surgery compared with phacoemulsification cataract surgery: a case-control study. BMJ Open, 2018, 8, e018478.	1.9	6
11	Facilitating diabetic retinopathy screening using automated retinal image analysis in underresourced settings. Diabetic Medicine, 2021, 38, e14582.	2.3	6
12	An Automated Detection System for Microaneurysms That Is Effective across Different Racial Groups. Journal of Ophthalmology, 2016, 2016, 1-5.	1.3	3
13	Trajectory energy minimization for cell growth tracking and genealogy analysis. Royal Society Open Science, 2017, 4, 170207.	2.4	3
14	Automated feature-based grading and progression analysis of diabetic retinopathy. Eye, 2022, 36, 524-532.	2.1	3
15	Learning to Discover Explainable Clinical Features With Minimum Supervision. Translational Vision Science and Technology, 2022, 11, 11.	2.2	0