Bryan Williams

List of Publications by Year
in descending order

24 papers	596 citations	933447 10 h-index	752698 20 g-index
25 all docs	25 docs citations	25 times ranked	732 citing authors

#	Article	IF	Citations
1	Dense Fully Convolutional Segmentation of the Optic Disc and Cup in Colour Fundus for Glaucoma Diagnosis. Symmetry, 2018, 10, 87.	2.2	131
2	Multiscale sequential convolutional neural networks for simultaneous detection of fovea and optic disc. Biomedical Signal Processing and Control, 2018, 40, 91-101.	5.7	96
3	Measurement of the Intertablet Coating Uniformity of a Pharmaceutical Pan Coating Process With Combined Terahertz and Optical Coherence Tomography In-Line Sensing. Journal of Pharmaceutical Sciences, 2017, 106, 1075-1084.	3.3	69
4	FCNN: Fourier Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 786-798.	1.3	55
5	Imaging of Corneal Neovascularization: Optical Coherence Tomography Angiography and Fluorescence Angiography. , 2018, 59, 1263.		47
6	High resolution corneal and single pulse imaging with line field spectral domain optical coherence tomography. Optics Express, 2016, 24, 12395.	3.4	31
7	Accurate, fast, data efficient and interpretable glaucoma diagnosis with automated spatial analysis of the whole cup to disc profile. PLoS ONE, 2019, 14, e0209409.	2.5	27
8	Deformation velocity imaging using optical coherence tomography and its applications to the cornea. Biomedical Optics Express, 2017, 8, 5579.	2.9	22
9	Non-destructive analysis of flake properties in automotive paints with full-field optical coherence tomography and 3D segmentation. Optics Express, 2017, 25, 18614.	3.4	22
10	Scan-Less Line Field Optical Coherence Tomography, with Automatic Image Segmentation, as a Measurement Tool for Automotive Coatings. Applied Sciences (Switzerland), 2017, 7, 351.	2.5	15
11	Automatic Detection and Distinction of Retinal Vessel Bifurcations and Crossings in Colour Fundus Photography. Journal of Imaging, 2018, 4, 4.	3.0	15
12	A new image deconvolution method with fractional regularisation. Journal of Algorithms and Computational Technology, 2016, 10, 265-276.	0.7	9
13	EffUnet-SpaGen: An Efficient and Spatial Generative Approach to Glaucoma Detection. Journal of Imaging, 2021, 7, 92.	3.0	8
14	Sub-surface imaging of soiled cotton fabric using full-field optical coherence tomography. Optics Express, 2019, 27, 13951.	3.4	7
15	A new constrained total variational deblurring model and its fast algorithm. Numerical Algorithms, 2015, 69, 415-441.	1.9	5
16	Fast Blur Detection and Parametric Deconvolution of Retinal Fundus Images. Lecture Notes in Computer Science, 2017, , 194-201.	1.3	5
17	A Novel Choroid Segmentation Method for Retinal Diagnosis Using Deep Learning. , 2017, , .		5
18	An effective variational model for simultaneous reconstruction and segmentation of blurred images. Journal of Algorithms and Computational Technology, 2016, 10, 244-264.	0.7	4

#	Article	IF	Citations
19	Differentiating Generic versus Branded Pharmaceutical Tablets Using Ultra-High-Resolution Optical Coherence Tomography. Coatings, 2019, 9, 326.	2.6	4
20	Supercontinuum ultra-high resolution line-field OCT; experimental spectrograph comparison and comparison with current clinical OCT systems by the imaging of a human cornea. , 2018, , .		3
21	Applications of optical coherence tomography in the non-contact assessment of automotive paints. , 2017, , .		3
22	Studying the pharmaceutical film coating process with terahertz sensing, optical coherence tomography and numerical modelling. , 2016, , .		2
23	Robust Brain Age Estimation Based on sMRI via Nonlinear Age-Adaptive Ensemble Learning. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 2146-2156.	4.9	2
24	Ensemble-Based Bounding Box Regression for Enhanced Knuckle Localization. Sensors, 2022, 22, 1569.	3.8	1