

Yifan Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

211
papers

5,688
citations

136940

32
h-index

98792

67
g-index

217
all docs

217
docs citations

217
times ranked

4788
citing authors

#	ARTICLE	IF	CITATIONS
1	A machine learning-based clustering approach to diagnose multi-component degradation of aircraft fuel systems. <i>Neural Computing and Applications</i> , 2023, 35, 2973-2989.	5.6	3
2	Explainable Diabetic Retinopathy Detection and Retinal Image Generation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 44-55.	6.3	29
3	Hybrid-Learning-Based Driver Steering Intention Prediction Using Neuromuscular Dynamics. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 1750-1761.	7.9	15
4	Characterising Alzheimer's Disease With EEG-Based Energy Landscape Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 992-1000.	6.3	16
5	Hybrid Variation-Aware Network for Angle-Closure Assessment in AS-OCT. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 254-265.	8.9	10
6	Learning Spatio-Temporal Representations With a Dual-Stream 3-D Residual Network for Nondriving Activity Recognition. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 7405-7414.	7.9	3
7	Imaging of vascular abnormalities in ocular surface disease. <i>Survey of Ophthalmology</i> , 2022, 67, 31-51.	4.0	11
8	Brain functional and effective connectivity based on electroencephalography recordings: A review. <i>Human Brain Mapping</i> , 2022, 43, 860-879.	3.6	72
9	Uncertainty-guided graph attention network for parapneumonic effusion diagnosis. <i>Medical Image Analysis</i> , 2022, 75, 102217.	11.6	13
10	Pattern Recognition of Barely Visible Impact Damage in Carbon Composites Using Pulsed Thermography. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 7252-7261.	11.3	6
11	Toward Human-Centered Automated Driving: A Novel Spatiotemporal Vision Transformer-Enabled Head Tracker. <i>IEEE Vehicular Technology Magazine</i> , 2022, 17, 57-64.	3.4	31
12	Predicting myocardial infarction through retinal scans and minimal personal information. <i>Nature Machine Intelligence</i> , 2022, 4, 55-61.	16.0	30
13	Multistep prediction of dynamic uncertainty under limited data. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2022, 37, 37-54.	4.5	4
14	Advanced Sensing and Control for Connected and Automated Vehicles. <i>Sensors</i> , 2022, 22, 1538.	3.8	1
15	Unsupervised Multi-View CNN for Salient View Selection and 3D Interest Point Detection. <i>International Journal of Computer Vision</i> , 2022, 130, 1210-1227.	15.6	8
16	EEG Recordings as Biomarkers of Pain Perception: Where Do We Stand and Where to Go?. <i>Pain and Therapy</i> , 2022, 11, 369-380.	3.2	16
17	The Identification of Non-Driving Activities with Associated Implication on the Take-Over Process. <i>Sensors</i> , 2022, 22, 42.	3.8	5
18	Mitolysosome exocytosis, a mitophagy-independent mitochondrial quality control in flunarizine-induced parkinsonism-like symptoms. <i>Science Advances</i> , 2022, 8, eabk2376.	10.3	19

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19	Domain Generalization in Restoration of Cataract Fundus Images Via High-Frequency Components. , 2022, , .		3
20	<scp>Spatialâ€“temporal</scp> graph convolutional network for Alzheimer classification based on brain functional connectivity imaging of electroencephalogram. Human Brain Mapping, 2022, 43, 5194-5209.	3.6	17
21	A Refined Non-Driving Activity Classification Using a Two-Stream Convolutional Neural Network. IEEE Sensors Journal, 2021, 21, 15574-15583.	4.7	9
22	A Decision Tree-Initialised Neuro-fuzzy Approach for Clinical Decision Support. Artificial Intelligence in Medicine, 2021, 111, 101986.	6.5	40
23	CS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup></mml:math>-Net: Deep learning segmentation of curvilinear structures in medical imaging. Medical Image Analysis, 2021, 67, 101874.	11.6	166
24	A Miniaturized Active Thermography System to Inspect Composite Laminates. IEEE Transactions on Industrial Informatics, 2021, 17, 3314-3323.	11.3	3
25	Autologous haematopoietic stem cell transplantation for refractory stiff-person syndrome: the UK experience. Journal of Neurology, 2021, 268, 265-275.	3.6	27
26	Forecasting the severity of the Newfoundland iceberg season using a control systems model. Journal of Operational Oceanography, 2021, 14, 24-36.	1.2	1
27	Effect of triptorelin on the protection from damage on mouse ovarian cells caused by tripterygium polyglycoside. European Journal of Gynaecological Oncology (discontinued), 2021, 42, 333.	0.2	0
28	Structure and Illumination Constrained GAN for Medical Image Enhancement. IEEE Transactions on Medical Imaging, 2021, 40, 3955-3967.	8.9	60
29	One step stereoselective synthesis of oxazoline-fused saccharides and their conversion into the corresponding 1,2-cis glycosylamines bearing various protected groups. Organic and Biomolecular Chemistry, 2021, 19, 1580-1588.	2.8	1
30	Cross-Domain Depth Estimation Network for 3D Vessel Reconstruction in OCT Angiography. Lecture Notes in Computer Science, 2021, , 13-23.	1.3	3
31	DCT/IDCT Filter Design for Ultrasound Image Filtering. , 2021, , .		0
32	Modelling the Influence of Soil Properties on Crop Yields Using a Non-Linear NFIR Model and Laboratory Data. Soil Systems, 2021, 5, 12.	2.6	6
33	Humanâ€“Machine Collaboration for Automated Driving Using an Intelligent Twoâ€“Phase Haptic Interface. Advanced Intelligent Systems, 2021, 3, 2000229.	6.1	25
34	ROSE: A Retinal OCT-Angiography Vessel Segmentation Dataset and New Model. IEEE Transactions on Medical Imaging, 2021, 40, 928-939.	8.9	137
35	Efficient induction of neural progenitor cells from human ESC/iPSCs on Type I Collagen. Science China Life Sciences, 2021, 64, 2100-2113.	4.9	3
36	Stiff Person Syndrome and Gluten Sensitivity. Nutrients, 2021, 13, 1373.	4.1	2

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37	Memory-Assisted Dual-End Adaptation Network For Choroid Segmentation In Multi-Domain Optical Coherence Tomography. , 2021, , .		0
38	3D Vessel Reconstruction In Oct-Angiography Via Depth Map Estimation. , 2021, , .		5
39	Restoration Of Cataract Fundus Images Via Unsupervised Domain Adaptation. , 2021, , .		12
40	Angle-closure assessment in anterior segment OCT images via deep learning. Medical Image Analysis, 2021, 69, 101956.	11.6	28
41	A systematic review of multivariate uncertainty quantification for engineering systems. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 188-208.	4.5	16
42	Using interictal seizure-free EEG data to recognise patients with epilepsy based on machine learning of brain functional connectivity. Biomedical Signal Processing and Control, 2021, 67, 102554.	5.7	18
43	Fast Personal Protective Equipment Detection for Real Construction Sites Using Deep Learning Approaches. Sensors, 2021, 21, 3478.	3.8	75
44	Quantification of Increased Corneal Subbasal Nerve Tortuosity in Dry Eye Disease and Its Correlation With Clinical Parameters. Translational Vision Science and Technology, 2021, 10, 26.	2.2	15
45	Weighing features of lung and heart regions for thoracic disease classification. BMC Medical Imaging, 2021, 21, 99.	2.7	5
46	Motion blur invariant for estimating motion parameters of medical ultrasound images. Scientific Reports, 2021, 11, 14312.	3.3	3
47	Keratoconus detection of changes using deep learning of colour-coded maps. BMJ Open Ophthalmology, 2021, 6, e000824.	1.6	26
48	A Combined Control Systems and Machine Learning Approach to Forecasting Iceberg Flux off Newfoundland. Sustainability, 2021, 13, 7705.	3.2	0
49	Practical Options for Adopting Recurrent Neural Network and Its Variants on Remaining Useful Life Prediction. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	3.7	6
50	Recognition of visual-related non-driving activities using a dual-camera monitoring system. Pattern Recognition, 2021, 116, 107955.	8.1	14
51	Quantifying Uncertainty in Pulsed Thermographic Inspection by Analysing the Thermal Diffusivity Measurements of Metals and Composites. Sensors, 2021, 21, 5480.	3.8	2
52	A dissection and enhancement technique for combined damage characterisation in composite laminates using laser-line scanning thermography. Composite Structures, 2021, 271, 114168.	5.8	14
53	Outer Retinal Layer Thickness Changes in White Matter Hyperintensity and Parkinson's Disease. Frontiers in Neuroscience, 2021, 15, 741651.	2.8	4
54	Superficial Macula Capillary Complexity Changes Are Associated With Disability in Neuromyelitis Optica Spectrum Disorders. Frontiers in Neurology, 2021, 12, 724946.	2.4	8

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55	A Sliding-Window Principal Component thermography reconstruction approach for enhancement and identification of electronic components internal structure. Measurement: Journal of the International Measurement Confederation, 2021, 184, 109926.	5.0	1
56	Dynamic multistep uncertainty prediction in spatial geometry. Procedia CIRP, 2021, 96, 74-79.	1.9	1
57	A Revised Hilbert-Huang Transformation to Track Non-Stationary Association of Electroencephalography Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 841-851.	4.9	8
58	Sky and Ground Segmentation in the Navigation Visions of the Planetary Rovers. Sensors, 2021, 21, 6996.	3.8	4
59	A nested parallel multiscale convolution for cerebrovascular segmentation. Medical Physics, 2021, 48, 7971-7983.	3.0	6
60	Mesh Saliency: An Independent Perceptual Measure or A Derivative of Image Saliency?. , 2021, , .		7
61	Learning from Human Uncertainty by Choquet Integral for Optic Disc Segmentation. , 2021, , .		2
62	Infer Thermal Information from Visual Information: A Cross Imaging Modality Edge Learning (CIMEL) Framework. Sensors, 2021, 21, 7471.	3.8	2
63	Rock Segmentation in the Navigation Vision of the Planetary Rovers. Mathematics, 2021, 9, 3048.	2.2	13
64	Automatic Sequence-Based Network for Lung Diseases Detection in Chest CT. Frontiers in Oncology, 2021, 11, 781798.	2.8	2
65	Automated Segmentation of Trigeminal Nerve and Cerebrovasculature in MR-Angiography Images by Deep Learning. Frontiers in Neuroscience, 2021, 15, 744967.	2.8	5
66	A Dual-Cameras-Based Driver Gaze Mapping System With an Application on Non-Driving Activities Monitoring. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4318-4327.	8.0	43
67	Retinal Vascular Network Topology Reconstruction and Artery/Vein Classification via Dominant Set Clustering. IEEE Transactions on Medical Imaging, 2020, 39, 341-356.	8.9	46
68	The Spatial Resolution Enhancement for a Thermogram Enabled by Controlled Subpixel Movements. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3566-3575.	4.7	9
69	An artificial intelligence-based deep learning algorithm for the diagnosis of diabetic neuropathy using corneal confocal microscopy: a development and validation study. Diabetologia, 2020, 63, 419-430.	6.3	88
70	Inversion Technique for Quantitative Infrared Thermography Evaluation of Delamination Defects in Multilayered Structures. IEEE Transactions on Industrial Informatics, 2020, 16, 4592-4602.	11.3	14
71	Imaging of Nonlinear and Dynamic Functional Brain Connectivity Based on EEG Recordings With the Application on the Diagnosis of Alzheimer's Disease. IEEE Transactions on Medical Imaging, 2020, 39, 1571-1581.	8.9	22
72	Dense Dilated Network With Probability Regularized Walk for Vessel Detection. IEEE Transactions on Medical Imaging, 2020, 39, 1392-1403.	8.9	96

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73	Three-dimensional subsurface defect shape reconstruction and visualisation by pulsed thermography. Infrared Physics and Technology, 2020, 104, 103151.	2.9	10
74	Inspection of electronic component using pulsed thermography. Procedia Manufacturing, 2020, 49, 132-138.	1.9	0
75	Detectability evaluation of attributes anomaly for electronic components using pulsed thermography. Infrared Physics and Technology, 2020, 111, 103513.	2.9	3
76	A Density and Reliability Guided Aggregation for the Assessment of Vessels and Nerve Fibres Tortuosity. IEEE Access, 2020, 8, 139199-139211.	4.2	7
77	Corneal nerve tortuosity grading via ordered weighted averaging-based feature extraction. Medical Physics, 2020, 47, 4983-4996.	3.0	18
78	Automatic Tortuosity Estimation of Nerve Fibers and Retinal Vessels in Ophthalmic Images. Applied Sciences (Switzerland), 2020, 10, 4788.	2.5	1
79	Remaining Useful Life Prediction using Deep Learning Approaches: A Review. Procedia Manufacturing, 2020, 49, 81-88.	1.9	88
80	Deep Learning with Skip Connection Attention for Choroid Layer Segmentation in OCT Images. , 2020, 2020, 1641-1645.		7
81	A Novel Inspection Technique for Electronic Components Using Thermography (NITECT). Sensors, 2020, 20, 5013.	3.8	4
82	Ultrasound Image Filtering and Reconstruction Using DCT/IDCT Filter Structure. IEEE Access, 2020, 8, 141342-141357.	4.2	8
83	Multi-scale U-net with Edge Guidance for Multimodal Retinal Image Deformable Registration. , 2020, 2020, 1360-1363.		10
84	Pattern Recognition and Characterization of Upper Limb Neuromuscular Dynamics during Driver-Vehicle Interactions. IScience, 2020, 23, 101541.	4.1	9
85	Open-Set OCT Image Recognition with Synthetic Learning. , 2020, , .		5
86	Speckle reduction of OCT via super resolution reconstruction and its application on retinal layer segmentation. Artificial Intelligence in Medicine, 2020, 106, 101871.	6.5	12
87	Integrated Stability Control Strategy of In-Wheel Motor Driven Electric Bus. International Journal of Automotive Technology, 2020, 21, 919-929.	1.4	12
88	The Role of Oxidative Stress in Peripheral Neuropathy. Journal of Molecular Neuroscience, 2020, 70, 1009-1017.	2.3	28
89	Automated Tortuosity Analysis of Nerve Fibers in Corneal Confocal Microscopy. IEEE Transactions on Medical Imaging, 2020, 39, 2725-2737.	8.9	29
90	An adaptive pig face recognition approach using Convolutional Neural Networks. Computers and Electronics in Agriculture, 2020, 173, 105386.	7.7	89

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91	Cycle Structure and Illumination Constrained GAN for Medical Image Enhancement. Lecture Notes in Computer Science, 2020, , 667-677.	1.3	11
92	Open-Appositional-Synechial Anterior Chamber Angle Classification in AS-OCT Sequences. Lecture Notes in Computer Science, 2020, , 715-724.	1.3	5
93	Classification of Retinal Vessels into Artery-Vein in OCT Angiography Guided by Fundus Images. Lecture Notes in Computer Science, 2020, , 117-127.	1.3	6
94	A clustering approach to detect faults with multi-component degradations in aircraft fuel systems. IFAC-PapersOnLine, 2020, 53, 113-118.	0.9	6
95	High signal-to-noise ratio reconstruction of low bit-depth optical coherence tomography using deep learning. Journal of Biomedical Optics, 2020, 25, .	2.6	15
96	Automated Corneal Nerve Segmentation Using Weighted Local Phase Tensor. Communications in Computer and Information Science, 2020, , 459-469.	0.5	0
97	A miniaturised active thermography system for in-situ inspections. IFAC-PapersOnLine, 2020, 53, 66-71.	0.9	2
98	Recurrent Neural Networks and its variants in Remaining Useful Life prediction. IFAC-PapersOnLine, 2020, 53, 137-142.	0.9	3
99	Cerebrovascular Segmentation in MRA via Reverse Edge Attention Network. Lecture Notes in Computer Science, 2020, , 66-75.	1.3	14
100	Reconstruction and Quantification of 3D Iris Surface for Angle-Closure Glaucoma Detection in Anterior Segment OCT. Lecture Notes in Computer Science, 2020, , 704-714.	1.3	3
101	The implication of non-driving activities on situation awareness and take-over performance in level 3 automation. , 2020, , .		2
102	Continuous Driver Steering Intention Prediction Considering Neuromuscular Dynamics and Driving Postures. , 2020, , .		1
103	Corrections to “Automated Tortuosity Analysis of Nerve Fibers in Corneal Confocal Microscopy” IEEE Transactions on Medical Imaging, 2020, 39, 3758-3758.	8.9	1
104	Automated retinal lesion detection via image saliency analysis. Medical Physics, 2019, 46, 4531-4544.	3.0	10
105	Speckle Reduction in Optical Coherence Tomography via Super-Resolution Reconstruction. , 2019, 2019, 5589-5592.		2
106	Filter-generating system of Zernike polynomials. Automatica, 2019, 108, 108498.	5.0	3
107	Distractor-Aware Deep Regression for Visual Tracking. Sensors, 2019, 19, 387.	3.8	3
108	A Novel Pathogenic Variant in MT-CO2 Causes an Isolated Mitochondrial Complex IV Deficiency and Late-Onset Cerebellar Ataxia. Journal of Clinical Medicine, 2019, 8, 789.	2.4	11

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109	Tremor after long term lithium treatment; is it cortical myoclonus?. Cerebellum and Ataxias, 2019, 6, 5.	1.9	6
110	CE-Net: Context Encoder Network for 2D Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2019, 38, 2281-2292.	8.9	1,266
111	A Dementia Classification Framework Using Frequency and Time-Frequency Features Based on EEG Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 826-835.	4.9	76
112	Current practice and challenges towards handling uncertainty for effective outcomes in maintenance. Procedia CIRP, 2019, 86, 282-287.	1.9	3
113	On the Application of Preaggregation Functions to Fuzzy Pattern Tree. , 2019, , .		1
114	2-D Generating Function of the Zernike Polynomials and their Application for Image Classification. , 2019, , .		0
115	Automated Iris Segmentation from Anterior Segment OCT Images with Occludable Angles via Local Phase Tensor. , 2019, 2019, 4745-4749.		4
116	Anterior Chamber Angles Classification in Anterior Segment OCT Images via Multi-Scale Regions Convolutional Neural Networks. , 2019, 2019, 849-852.		11
117	Estimation of Damage Thickness in Fiber-Reinforced Composites using Pulsed Thermography. IEEE Transactions on Industrial Informatics, 2019, 15, 445-453.	11.3	29
118	Non-destructive evaluation of localised heat damage occurring in carbon composites using thermography and thermal diffusivity measurement. Measurement: Journal of the International Measurement Confederation, 2019, 131, 706-713.	5.0	28
119	CS-Net: Channel and Spatial Attention Network for Curvilinear Structure Segmentation. Lecture Notes in Computer Science, 2019, , 721-730.	1.3	131
120	Analysis of autopilot disengagements occurring during autonomous vehicle testing. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 58-68.	13.1	99
121	Global motion based video super-resolution reconstruction using discrete wavelet transform. Multimedia Tools and Applications, 2018, 77, 27641-27660.	3.9	11
122	Exaggerated startle in post-infectious opsoclonus myoclonus syndrome. Clinical Neurophysiology, 2018, 129, 1372-1373.	1.5	6
123	Automatic 2-D/3-D Vessel Enhancement in Multiple Modality Images Using a Weighted Symmetry Filter. IEEE Transactions on Medical Imaging, 2018, 37, 438-450.	8.9	91
124	The cortical focus in childhood absence epilepsy; evidence from nonlinear analysis of scalp EEG recordings. Clinical Neurophysiology, 2018, 129, 602-617.	1.5	19
125	Prospects for seasonal forecasting of iceberg distributions in the North Atlantic. Natural Hazards, 2018, 91, 447-471.	3.4	5
126	Characterization of Driver Neuromuscular Dynamics for Human-Automation Collaboration Design of Automated Vehicles. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2558-2567.	5.8	60

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127	A confidence map based damage assessment approach using pulsed thermographic inspection. NDT and E International, 2018, 93, 86-97.	3.7	17
128	Driver workload estimation using a novel hybrid method of error reduction ratio causality and support vector machine. Measurement: Journal of the International Measurement Confederation, 2018, 114, 390-397.	5.0	41
129	Anti-MAG associated cerebellar ataxia and response to rituximab. Journal of Neurology, 2018, 265, 115-118.	3.6	17
130	A Wavelet-Based Correlation Analysis Framework to Study Cerebromuscular Activity in Essential Tremor. Complexity, 2018, 2018, 1-15.	1.6	6
131	Estimation of Driver's Attention Level Based on Correlation Analysis of Movements. , 2018, , .		0
132	A Novel Control Framework of Haptic Take-Over System for Automated Vehicles. , 2018, , .		16
133	A review of miniaturised Non-Destructive Testing technologies for in-situ inspections. Procedia Manufacturing, 2018, 16, 16-23.	1.9	13
134	Identifying challenges in quantifying uncertainty: case study in infrared thermography. Procedia CIRP, 2018, 73, 108-113.	1.9	4
135	Mechanical performance of composite bonded joints in the presence of localised process-induced zero-thickness defects. Procedia Manufacturing, 2018, 16, 91-98.	1.9	14
136	Increased Oxidative Stress as a Risk Factor in Chronic Idiopathic Axonal Polyneuropathy. Journal of Molecular Neuroscience, 2018, 66, 547-551.	2.3	7
137	Dominant-Set-Based Consensus For Fuzzy C-Means Clustering Ensemble. , 2018, , .		0
138	Uniqueness-Driven Saliency Analysis for Automated Lesion Detection with Applications to Retinal Diseases. Lecture Notes in Computer Science, 2018, , 109-118.	1.3	17
139	Application of induced pluripotent stem cell transplants: Autologous or allogeneic?. Life Sciences, 2018, 212, 145-149.	4.3	18
140	The Significance of Low Titre Antigliadin Antibodies in the Diagnosis of Gluten Ataxia. Nutrients, 2018, 10, 1444.	4.1	21
141	Retinal Artery and Vein Classification via Dominant Sets Clustering-Based Vascular Topology Estimation. Lecture Notes in Computer Science, 2018, , 56-64.	1.3	31
142	Retinal vascular segmentation using superpixel-based line operator and its application to vascular topology estimation. Medical Physics, 2018, 45, 3132-3146.	3.0	11
143	Gluten neuropathy: prevalence of neuropathic pain and the role of gluten-free diet. Journal of Neurology, 2018, 265, 2231-2236.	3.6	30
144	Effect of design parameters on the mass of a variable-span morphing wing based on finite element structural analysis and optimization. Aerospace Science and Technology, 2018, 80, 587-603.	4.8	10

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145	Automatic Detection and Distinction of Retinal Vessel Bifurcations and Crossings in Colour Fundus Photography. Journal of Imaging, 2018, 4, 4.	3.0	15
146	A Pilot Study Investigating a Novel Non-Linear Measure of Eyes Open versus Eyes Closed EEG Synchronization in People with Alzheimer's Disease and Healthy Controls. Brain Sciences, 2018, 8, 134.	2.3	29
147	Retinal vascular topology estimation via dominant sets clustering. , 2018, , .		4
148	Quantifying individual and collective influences of soil properties on crop yield. Soil Research, 2018, 56, 19.	1.1	7
149	Post-Anoxic Reticular Reflex Myoclonus in a Child and Proposed Classification of Post-Anoxic Myoclonus. Pediatric Neurology, 2017, 68, 68-72.	2.1	7
150	Saliency driven vasculature segmentation with infinite perimeter active contour model. Neurocomputing, 2017, 259, 201-209.	5.9	53
151	A novel process-linked assembly failure model for adhesively bonded composite structures. CIRP Annals - Manufacturing Technology, 2017, 66, 29-32.	3.6	16
152	Nonlinear parametric modelling to study how soil properties affect crop yields and NDVI. Computers and Electronics in Agriculture, 2017, 138, 127-136.	7.7	31
153	A compactness based saliency approach for leakages detection in fluorescein angiogram. International Journal of Machine Learning and Cybernetics, 2017, 8, 1971-1979.	3.6	3
154	Satellite image resolution enhancement using discrete wavelet transform and new edge-directed interpolation. Journal of Electronic Imaging, 2017, 26, 023014.	0.9	10
155	A Passive Imaging System for Geometry Measurement for the Plasma Arc Welding Process. IEEE Transactions on Industrial Electronics, 2017, 64, 7201-7209.	7.9	65
156	Determination of thermal wave reflection coefficient to better estimate defect depth using pulsed thermography. Infrared Physics and Technology, 2017, 86, 1-10.	2.9	17
157	Cerebral vascular enhancement using a weighted 3D symmetry filter. , 2017, , .		0
158	A novel defect depth measurement method based on Nonlinear System Identification for pulsed thermographic inspection. Mechanical Systems and Signal Processing, 2017, 85, 382-395.	8.0	38
159	Intensity and Compactness Enabled Saliency Estimation for Leakage Detection in Diabetic and Malarial Retinopathy. IEEE Transactions on Medical Imaging, 2017, 36, 51-63.	8.9	67
160	Characterisation of driver neuromuscular dynamics for haptic take-over system design for automated vehicles. , 2017, , .		2
161	An Orientation Sensor-Based Head Tracking System for Driver Behaviour Monitoring. Sensors, 2017, 17, 2692.	3.8	24
162	Tracking Nonlinear Correlation for Complex Dynamic Systems Using a Windowed Error Reduction Ratio Method. Complexity, 2017, 2017, 1-14.	1.6	5

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163	A New Proxy Measurement Algorithm with Application to the Estimation of Vertical Ground Reaction Forces Using Wearable Sensors. <i>Sensors</i> , 2017, 17, 2181.	3.8	45
164	Inferring the variation of climatic and glaciological contributions to West Greenland iceberg discharge in the twentieth century. <i>Cold Regions Science and Technology</i> , 2016, 121, 167-178.	3.5	16
165	Region-based saliency estimation for 3D shape analysis and understanding. <i>Neurocomputing</i> , 2016, 197, 1-13.	5.9	16
166	An edge detection method using outer Totalistic Cellular Automata. <i>Neurocomputing</i> , 2016, 214, 643-653.	5.9	7
167	Point match refinement through rigidity constraint and vote. <i>Electronics Letters</i> , 2016, 52, 1304-1306.	1.0	0
168	Augmented reality based real-time subcutaneous vein imaging system. <i>Biomedical Optics Express</i> , 2016, 7, 2565.	2.9	44
169	A coefficient clustering analysis for damage assessment of composites based on pulsed thermographic inspection. <i>NDT and E International</i> , 2016, 83, 59-67.	3.7	21
170	Phenytoin for neuroprotection in patients with acute optic neuritis: a randomised, placebo-controlled, phase 2 trial. <i>Lancet Neurology</i> , The, 2016, 15, 259-269.	10.2	168
171	Effects of IGF-1 on neural differentiation of human umbilical cord derived mesenchymal stem cells. <i>Life Sciences</i> , 2016, 151, 93-101.	4.3	24
172	Neurological Dysfunction in Coeliac Disease and Non-Coeliac Gluten Sensitivity. <i>American Journal of Gastroenterology</i> , 2016, 111, 561-567.	0.4	88
173	Automated Detection of Leakage in Fluorescein Angiography Images with Application to Malarial Retinopathy. <i>Scientific Reports</i> , 2015, 5, 10425.	3.3	32
174	Automated Detection of Vessel Abnormalities on Fluorescein Angiogram in Malarial Retinopathy. <i>Scientific Reports</i> , 2015, 5, 11154.	3.3	17
175	Degradation Assessment of Industrial Composites Using Thermography. <i>Procedia CIRP</i> , 2015, 38, 147-152.	1.9	8
176	A wavelet neural network model for spatio-temporal image processing and modeling. , 2015, , .		1
177	Automated Vessel Segmentation Using Infinite Perimeter Active Contour Model with Hybrid Region Information with Application to Retinal Images. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1797-1807.	8.9	337
178	Direct Functional Connectivity between the Thalamus (Vim) and the Contralateral Motor Cortex: Just a Single Case Observation or a Common Pathway in the Human Brain?. <i>Brain Stimulation</i> , 2015, 8, 1230-1233.	1.6	3
179	Retinal Vessel Segmentation: An Efficient Graph Cut Approach with Retinex and Local Phase. <i>PLoS ONE</i> , 2015, 10, e0122332.	2.5	78
180	A Spatial Frequency Domain Analysis of the Belousov-Zhabotinsky Reaction. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450031.	1.7	2

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182	A nonlinear causality measure in the frequency domain: Nonlinear partial directed coherence with applications to EEG. <i>Journal of Neuroscience Methods</i> , 2014, 225, 71-80.	2.5	36
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