King Hann Lim

List of Publications by Year
in descending order

61 papers	614 citations	1307594 7 h-index	1058476 14 g-index
62 all docs	62 docs citations	62 times ranked	521 citing authors

#	Article	IF	Citations
1	Review of Adaptive Activation Function in Deep Neural Network. , 2018, , .		62
2	Vanishing Gradient Mitigation with Deep Learning Neural Network Optimization. , 2019, , .		59
3	Lane Detection and Kalman-Based Linear-Parabolic Lane Tracking. , 2009, , .		36
4	A new multi-purpose audio-visual UNMC-VIER database with multiple variabilities. Pattern Recognition Letters, 2011, 32, 1503-1510.	4.2	34
5	River Flow Lane Detection and Kalman Filtering-Based B-Spline Lane Tracking. International Journal of Vehicular Technology, 2012, 2012, 1-10.	1.1	34
6	Investigation of activation functions in deep belief network. , 2017, , .		32
7	Malaysia traffic sign recognition with convolutional neural network. , 2015, , .		31
8	Review of second-order optimization techniques in artificial neural networks backpropagation. IOP Conference Series: Materials Science and Engineering, 0, 495, 012003.	0.6	31
9	Lyapunov Theory-Based Multilayered Neural Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 305-309.	3.0	28
10	Artificial neural network based ankle joint angle estimation using instrumented foot insoles. Biomedical Signal Processing and Control, 2019, 54, 101614.	5.7	19
11	Intra color-shape classification for traffic sign recognition. , 2010, , .		16
12	MIMO Lyapunov Theory-Based RBF Neural Classifier for Traffic Sign Recognition. Applied Computational Intelligence and Soft Computing, 2012, 2012, 1-7.	2.3	13
13	Predictive Maintenance of Oil and Gas Equipment using Recurrent Neural Network. IOP Conference Series: Materials Science and Engineering, 0, 495, 012067.	0.6	13
14	Joint angle estimation with wavelet neural networks. Scientific Reports, 2021, 11, 10306.	3.3	13
15	Multilayer perceptrons neural network based Web spam detection application. , 2013, , .		12
16	Real-Time Implementation of Vision-Based Lane Detection and Tracking. , 2009, , .		10
17	Multilayer perceptron neural network classification for human vertical ground reaction forces. , 2014, , .		10
18	Blood Pressure measurement from Photo-Plethysmography to Pulse Transit Time. , 2014, , .		10

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19	ANN for gait estimations: A review on current trends and future applications. , 2016, , .		9
20	A review of three dimensional reconstruction techniques. Multimedia Tools and Applications, 2021, 80, 17879-17891.	3.9	9
21	Development of Predictive Maintenance Interface Using Multiple Linear Regression. , 2018, , .		8
22	Stochastic diagonal approximate greatest descent in neural networks. , 2017, , .		7
23	Enhancing STEM Education using Augmented Reality and Machine Learning. , 2019, , .		7
24	Direct Fast Charging of Electric Vehicle Using Solar Power. , 2019, , .		7
25	Vision-based Lane-Vehicle Detection and Tracking. , 2009, , .		6
26	Differential Settlement Monitoring System Using Inverse Perspective Mapping. IEEE Sensors Journal, 2018, 18, 2545-2554.	4.7	6
27	Real-Time Multi-Camera Multi-Person Action Recognition using Pose Estimation. , 2019, , .		6
28	One-step model agnostic meta-learning using two-phase switching optimization strategy. Neural Computing and Applications, 2022, 34, 13529-13537.	5.6	6
29	Improved voice activity detection for speech recognition system. , 2010, , .		5
30	Two-Phase Switching Optimization Strategy in Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 330-339.	11.3	5
31	A New Symmetric and Asymmetric Step-Up Switched-Capacitor Integrated Multilevel Inverter with Self-Balanced and Inductive Load Capability. , 2021, , .		5
32	Markerless gait estimation and tracking for postural assessment. Multimedia Tools and Applications, 2022, 81, 12777-12794.	3.9	5
33	Stochastic diagonal approximate greatest descent in convolutional neural networks. , 2017, , .		4
34	Review on Automatic Plant Identification Using Computer Vision Approaches. IOP Conference Series: Materials Science and Engineering, 0, 495, 012032.	0.6	4
35	Convolutional Deep Feedforward Network for Image Classification. , 2019, , .		4
36	Condition Based Maintenance of Oil and Gas Equipment: A Review. , 2020, , .		4

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37	A New 2-Dimension Extendable Multisource Switched Capacitor Boost Multilevel Inverter with Reduced Components. , 2021, , .		4
38	On a two-phase approximate greatest descent method for nonlinear optimization with equality constraints. Numerical Algebra, Control and Optimization, 2018, 8, 325-336.	1.6	4
39	A Review on Deep Learning Super Resolution Techniques. , 2020, , .		4
40	UNMC-VIER AutoVision database. , 2010, , .		3
41	Robotic vision system design for black pepper harvesting. , 2013, , .		3
42	Estimation Of Joint Angle From Ground Reaction Force In Human Gait. , 2018, , .		3
43	A Lyapunov Theory-Based Neural Network Approach for Face Recognition. , 2010, , 23-48.		3
44	Stereo Vision Human Motion Detection and Tracking in Uncontrolled Environment. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 955.	0.8	3
45	New face segmentation technique insusceptible to illumination. , 2008, , .		2
46	FACE DETECTION FROM GREYSCALE IMAGES USING DETAILS FROM CATEGORIZED WAVELET COEFFICIENTS AS FEATURES FOR A DYNAMIC SUPERVISED FORWARD PROPAGATION NETWORK. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 3-15.	1.2	2
47	Art of engaging with the community for successful engineering projects. , 2012, , .		2
48	Marker-less Stereo-Vision Human Motion Tracking Using Hybrid Filter in Unconstrained Environment. , 2018, , .		2
49	Noise Level Evaluation on Power Quality Disturbances Classification. , 2021, , .		2
50	New hybrid technique for traffic sign recognition. , 2009, , .		1
51	Improved Watershed Lips Detection and Modified H8 Tracking System Based on Lyapunov Stability Theory. , 2009, , .		1
52	Intelligent vibrotactile biofeedback system for real-time postural correction on perturbed surfaces. , 2012, , .		1
53	Ground-image plane mapping for lane marks detection. , 2012, , .		1
54	Generative Skeletal Joint-Based Autoencoder for 3D Human Point Clouds Reconstruction. , 2021, , .		1

#	Article	IF	Citations
55	Approximate greatest descent in neural network optimization. Numerical Algebra, Control and Optimization, 2018, 8, 337-346.	1.6	1
56	Coal-Fired Boiler Fault Prediction using Artificial Neural Networks. International Journal of Electrical and Computer Engineering, 2018, 8, 2486.	0.7	1
57	Notice of Retraction: Improvement of lane marks extraction technique under different road conditions. , 2010, , .		0
58	Radial effect in stochastic diagonal approximate greatest descent. , 2017, , .		0
59	Minibatch Approximate Greatest Descent on CIFAR-10 Dataset. , 2018, , .		0
60	Two-phase Switching Optimization Strategy in LSTM Model For Predictive Maintenance. , 2021, , .		0
61	Deep Learning Mobile App Based Microscopic Leaf Imaging Disease Classification with Azure Cloud Computing Service. , 2021, , .		0