# King Hann Lim

List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Two-Phase Switching Optimization Strategy in Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 330-339. | 11.3 | 5 |
| 2 | Markerless gait estimation and tracking for postural assessment. Multimedia Tools and Applications, 2022, 81, 12777-12794. | 3.9 | 5 |
| 3 | One-step model agnostic meta-learning using two-phase switching optimization strategy. Neural Computing and Applications, 2022, 34, 13529-13537. | 5.6 | 6 |
| 4 | A review of three dimensional reconstruction techniques. Multimedia Tools and Applications, 2021, 80, 17879-17891. | 3.9 | 9 |
| 5 | A New 2-Dimension Extendable Multisource Switched Capacitor Boost Multilevel Inverter with Reduced Components. , 2021, , . | | 4 |
| 6 | Joint angle estimation with wavelet neural networks. Scientific Reports, 2021, 11, 10306. | 3.3 | 13 |
| 7 | Two-phase Switching Optimization Strategy in LSTM Model For Predictive Maintenance. , 2021, , . | | 0 |
| 8 | Deep Learning Mobile App Based Microscopic Leaf Imaging Disease Classification with Azure Cloud Computing Service. , 2021, , . | | 0 |
| 9 | Noise Level Evaluation on Power Quality Disturbances Classification. , 2021, , . | | 2 |
| 10 | Generative Skeletal Joint-Based Autoencoder for 3D Human Point Clouds Reconstruction. , 2021, , . | | 1 |
| 11 | A New Symmetric and Asymmetric Step-Up Switched-Capacitor Integrated Multilevel Inverter with Self-Balanced and Inductive Load Capability. , 2021, , . | | 5 |
| 12 | Condition Based Maintenance of Oil and Gas Equipment: A Review. , 2020, , . | | 4 |
| 13 | A Review on Deep Learning Super Resolution Techniques. , 2020, , . | | 4 |
| 14 | Artificial neural network based ankle joint angle estimation using instrumented foot insoles. Biomedical Signal Processing and Control, 2019, 54, 101614. | 5.7 | 19 |
| 15 | Convolutional Deep Feedforward Network for Image Classification. , 2019, , . | | 4 |
| 16 | Enhancing STEM Education using Augmented Reality and Machine Learning. , 2019, , . | | 7 |
| 17 | Direct Fast Charging of Electric Vehicle Using Solar Power. , 2019, , . | | 7 |
| 18 | Real-Time Multi-Camera Multi-Person Action Recognition using Pose Estimation. , 2019, , . | | 6 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Vanishing Gradient Mitigation with Deep Learning Neural Network Optimization. , 2019, , . | | 59 |
| 20 | Differential Settlement Monitoring System Using Inverse Perspective Mapping. IEEE Sensors Journal, 2018, 18, 2545-2554. | 4.7 | 6 |
| 21 | Marker-less Stereo-Vision Human Motion Tracking Using Hybrid Filter in Unconstrained Environment. , 2018, , . | | 2 |
| 22 | Estimation Of Joint Angle From Ground Reaction Force In Human Gait. , 2018, , . | | 3 |
| 23 | Minibatch Approximate Greatest Descent on CIFAR-10 Dataset. , 2018, , . | | 0 |
| 24 | Review of Adaptive Activation Function in Deep Neural Network. , 2018, , . | | 62 |
| 25 | Development of Predictive Maintenance Interface Using Multiple Linear Regression. , 2018, , . | | 8 |
| 26 | 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 |
| 27 | Approximate greatest descent in neural network optimization. Numerical Algebra, Control and Optimization, 2018, 8, 337-346. | 1.6 | 1 |
| 28 | Stereo Vision Human Motion Detection and Tracking in Uncontrolled Environment. Telkomnika (Telecommunication Computing Electronics and Control), 2018, 16, 955. | 0.8 | 3 |
| 29 | Coal-Fired Boiler Fault Prediction using Artificial Neural Networks. International Journal of Electrical and Computer Engineering, 2018, 8, 2486. | 0.7 | 1 |
| 30 | Investigation of activation functions in deep belief network. , 2017, , . | | 32 |
| 31 | Radial effect in stochastic diagonal approximate greatest descent. , 2017, , . | | 0 |
| 32 | Stochastic diagonal approximate greatest descent in convolutional neural networks. , 2017, , . | | 4 |
| 33 | Stochastic diagonal approximate greatest descent in neural networks. , 2017, , . | | 7 |
| 34 | ANN for gait estimations: A review on current trends and future applications. , 2016, , . | | 9 |
| 35 | Malaysia traffic sign recognition with convolutional neural network. , 2015, , . | | 31 |
| 36 | Multilayer perceptron neural network classification for human vertical ground reaction forces. , 2014, , . | | 10 |

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|---|---------|----|-----------| 
| 37 | Blood Pressure measurement from Photo-Plethysmography to Pulse Transit Time. , 2014, , . | | 10 |
| 38 | Multilayer perceptrons neural network based Web spam detection application. , 2013, , . | | 12 |
| 39 | Robotic vision system design for black pepper harvesting. , 2013, , . | | 3 |
| 40 | Intelligent vibrotactile biofeedback system for real-time postural correction on perturbed surfaces. , 2012, , . | | 1 |
| 41 | River Flow Lane Detection and Kalman Filtering-Based B-Spline Lane Tracking. International Journal of Vehicular Technology, 2012, 2012, 1-10. | 1.1 | 34 |
| 42 | Ground-image plane mapping for lane marks detection. , 2012, , . | | 1 |
| 43 | Art of engaging with the community for successful engineering projects. , 2012, , . | | 2 |
| 44 | MIMO Lyapunov Theory-Based RBF Neural Classifier for Traffic Sign Recognition. Applied Computational Intelligence and Soft Computing, 2012, 2012, 1-7. | 2.3 | 13 |
| 45 | A new multi-purpose audio-visual UNMC-VIER database with multiple variabilities. Pattern Recognition Letters, 2011, 32, 1503-1510. | 4.2 | 34 |
| 46 | Improved voice activity detection for speech recognition system. , 2010, , . | | 5 |
| 47 | Notice of Retraction: Improvement of lane marks extraction technique under different road conditions. , 2010, , . | | 0 |
| 48 | Intra color-shape classification for traffic sign recognition. , 2010, , . | | 16 |
| 49 | UNMC-VIER AutoVision database. , 2010, , . | | 3 |
| 50 | A Lyapunov Theory-Based Neural Network Approach for Face Recognition. , 2010, , 23-48. | | 3 |
| 51 | Real-Time Implementation of Vision-Based Lane Detection and Tracking. , 2009, , . | | 10 |
| 52 | 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 |
| 53 | Lyapunov Theory-Based Multilayered Neural Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 305-309. | 3.0 | 28 |
| 54 | Lane Detection and Kalman-Based Linear-Parabolic Lane Tracking. , 2009, , . | | 36 |

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|---|---------|-----|-----------|
| 55 | New hybrid technique for traffic sign recognition. , 2009, , . | | 1 |
| 56 | Improved Watershed Lips Detection and Modified H8 Tracking System Based on Lyapunov Stability Theory. , 2009, , . | | 1 |
| 57 | Vision-based Lane-Vehicle Detection and Tracking. , 2009, , . | | 6 |
| 58 | New face segmentation technique insusceptible to illumination. , 2008, , . | | 2 |
| 59 | Review on Automatic Plant Identification Using Computer Vision Approaches. IOP Conference Series: Materials Science and Engineering, 0, 495, 012032. | 0.6 | 4 |
| 60 | Review of second-order optimization techniques in artificial neural networks backpropagation. IOP Conference Series: Materials Science and Engineering, 0, 495, 012003. | 0.6 | 31 |
| 61 | Predictive Maintenance of Oil and Gas Equipment using Recurrent Neural Network. IOP Conference Series: Materials Science and Engineering, 0, 495, 012067. | 0.6 | 13 |