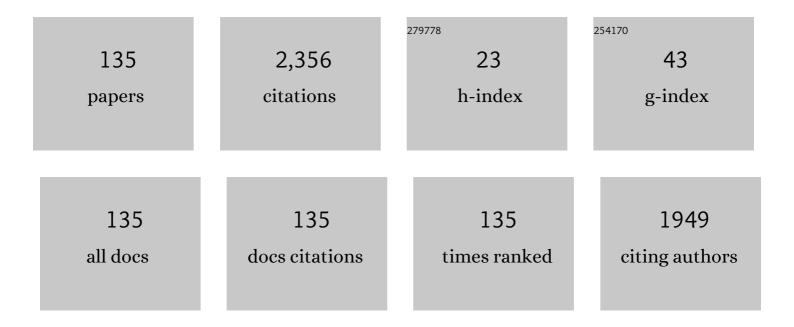
List of Publications by Year in descending order

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KAD-ANN TOH

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Delayered IC image analysis with templateâ€based Tanimoto Convolution and Morphological Decision. IET Circuits, Devices and Systems, 2022, 16, 169-177. | 1.4 | 3 |
| 2 | Blockwise Recursive Moore–Penrose Inverse for Network Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3237-3250. | 9.3 | 6 |
| 3 | An analytic layer-wise deep learning framework with applications to robotics. Automatica, 2022, 135, 110007. | 5.0 | 8 |
| 4 | Wi-Fi Based User Identification Using In-Air Handwritten Signature. IEEE Access, 2021, 9, 53548-53565. | 4.2 | 5 |
| 5 | Training Multilayer Neural Networks Analytically Using Kernel Projection. , 2021, , . | | 2 |
| 6 | Correlation Projection for Analytic Learning of a Classification Network. Neural Processing Letters, 2021, 53, 3893. | 3.2 | 1 |
| 7 | Machine learning-based leaky momentum prediction of plasmonic random nanosubstrate. Optics Express, 2021, 29, 30625. | 3.4 | 4 |
| 8 | Palm-Vein Verification Using Images From the Visible Spectrum. IEEE Access, 2021, 9, 86914-86927. | 4.2 | 7 |
| 9 | Super-resolved Raman microscopy using random structured light illumination: Concept and feasibility. Journal of Chemical Physics, 2021, 155, 144202. | 3.0 | 15 |
| 10 | Online Heterogeneous Face Recognition Based on Total-Error-Rate Minimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1286-1299. | 9.3 | 6 |
| 11 | Pedestrian Detection Using Pixel Difference Matrix Projection. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1441-1454. | 8.0 | 8 |
| 12 | Extraction and Cross-Matching of Palm-Vein and Palmprint From the RGB and the NIR Spectrums for Identity Verification. IEEE Access, 2020, 8, 4005-4021. | 4.2 | 20 |
| 13 | Training a multilayer network with low-memory kernel-and-range projection. Journal of the Franklin Institute, 2020, 357, 522-550. | 3.4 | 4 |
| 14 | Surface Plasmon Localization-Based Super-resolved Raman Microscopy. Nano Letters, 2020, 20, 8951-8958. | 9.1 | 24 |
| 15 | A Data-Driven Iterative Learning Algorithm for Robot Kinematics Approximation. , 2019, , . | | 3 |
| 16 | Transfer Learning of Wi-Fi Handwritten Signature Signals for Identity Verification based on the Kernel and the Range Space Projection. , 2019, , . | | 3 |
| 17 | Augmented EMD for complexâ€valued univariate signals. IET Signal Processing, 2019, 13, 424-433. | 1.5 | 2 |
| 18 | Global Template Projection and Matching Method for Training-Free Analysis of Delayered IC Images. , 2019, , . | | 9 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A Low-Memory Learning Formulation for a Kernel-and-Range Network. , 2019, , . | | 3 |
| 20 | Nasal similarity measure of 3D faces based on curve shape space. Pattern Recognition, 2019, 88, 458-469. | 8.1 | 14 |
| 21 | A Line Feature Extraction Method for Finger-Knuckle-Print Verification. Cognitive Computation, 2019, 11, 50-70. | 5.2 | 18 |
| 22 | Wi-Fi Based Handwritten Signature Verification Using a Triplet Network. , 2019, , . | | 1 |
| 23 | An Analytic Gabor Feedforward Network for Single-Sample and Pose-Invariant Face Recognition. IEEE Transactions on Image Processing, 2018, 27, 2791-2805. | 9.8 | 23 |
| 24 | Hybrid <inline-formula> <tex-math notation="LaTeX">\${K}\$ </tex-math> </inline-formula> -Means Clustering and Support Vector Machine Method for via and Metal Line Detections in Delayered IC Images. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1849-1853. | 3.0 | 18 |
| 25 | Micro-Doppler Mini-UAV Classification Using Empirical-Mode Decomposition Features. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 227-231. | 3.1 | 69 |
| 26 | Exploiting the categorical reliability difference for binary classification. Journal of the Franklin Institute, 2018, 355, 2022-2040. | 3.4 | 2 |
| 27 | Biomedical image classification based on a cascade of an SVM with a reject option and subspace analysis. Computers in Biology and Medicine, 2018, 96, 128-140. | 7.0 | 19 |
| 28 | Optimizing between data transformation and parametric weighting for stable binary classification. Journal of the Franklin Institute, 2018, 355, 1614-1637. | 3.4 | 1 |
| 29 | Twin SVM with a reject option through ROC curve. Journal of the Franklin Institute, 2018, 355, 1710-1732. | 3.4 | 8 |
| 30 | Stretchy binary classification. Neural Networks, 2018, 97, 74-91. | 5.9 | 5 |
| 31 | EMD-Based Entropy Features for micro-Doppler Mini-UAV Classification. , 2018, , . | | 6 |
| 32 | Learning from the kernel and the range space. , 2018, , . | | 9 |
| 33 | Palm-Vein Recognition Using RGB Images. , 2018, , . | | 3 |
| 34 | Orthogonal filter banks with region Log-TiedRank covariance matrices for face recognition. Journal of Visual Communication and Image Representation, 2018, 55, 548-560. | 2.8 | 3 |
| 35 | Kernel and Range Approach to Analytic Network Learning. International Journal of Networked and Distributed Computing, 2018, 7, 20. | 1.9 | 11 |
| 36 | Kernel and Range Approach to Analytic Network Learning. International Journal of Networked and Distributed Computing, 2018, 7, 20. | 1.9 | 0 |

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Density-Dependent Quantized Least Squares Support Vector Machine for Large Data Sets. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 94-106. | 11.3 | 45 |
| 38 | A Gabor-based network for heterogeneous face recognition. Neurocomputing, 2017, 261, 253-265. | 5.9 | 18 |
| 39 | LLC encoded BoW features and softmax regression for microscopic image classification. , 2017, , . | | 11 |
| 40 | Stacking PCANet +: An Overly Simplified ConvNets Baseline for Face Recognition. IEEE Signal Processing Letters, 2017, 24, 1581-1585. | 3.6 | 33 |
| 41 | Analytic radar micro-Doppler signatures classification. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 42 | Eye detection in a facial image under pose variation based on multi-scale iris shape feature. Image and Vision Computing, 2017, 57, 147-164. | 4.5 | 26 |
| 43 | An adaptive local binary pattern for 3D hand tracking. Pattern Recognition, 2017, 61, 139-152. | 8.1 | 25 |
| 44 | An EMD-based micro-Doppler signature analysis for mini-UAV blade flash reconstruction. , 2017, , . | | 10 |
| 45 | Optimizing Data Transformation for Binary Classification. International Journal of Computer Theory and Engineering, 2017, 9, 11-15. | 3.4 | 2 |
| 46 | An In-Air Signature Verification System Using Wi-Fi Signals. , 2017, , . | | 4 |
| 47 | Recursive total error rate minimization. , 2016, , . | | 0 |
| 48 | A folding sum transformation for binary classification. , 2016, , . | | 0 |
| 49 | Finger-knuckle-print for identity verification based on difference images. , 2016, , . | | 6 |
| 50 | Face recognition based on stretchy regression. , 2016, , . | | 1 |
| 51 | A Randomly Weighted Gabor Network for Visual-Thermal Infrared Face Recognition. Proceedings in Adaptation, Learning and Optimization, 2016, , 335-344. | 1.6 | 1 |
| 52 | An empirical study on iris recognition in a mobile phone. Expert Systems With Applications, 2016, 54, 328-339. | 7.6 | 39 |
| 53 | A dictionary updating scheme incorporating words elimination into Quantized Kernel Least-Mean-Squares for changing environments. , 2015, , . | | 1 |
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54 Stretchy multivariate polynomial classification. , 2015, , .

| # | Article | IF | CITATIONS |
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| 55 | New Trends of Learning in Computational Intelligence (Part II) [Guest Editorial]. IEEE Computational Intelligence Magazine, 2015, 10, 8-8. | 3.2 | 4 |
| 56 | New Trends of Learning in Computational Intelligence [Guest Editorial]. IEEE Computational Intelligence Magazine, 2015, 10, 16-17. | 3.2 | 49 |
| 57 | Sequential extreme learning machine incorporating survival error potential. Neurocomputing, 2015, 155, 194-204. | 5.9 | 7 |
| 58 | A center sliding Bayesian binary classifier adopting orthogonal polynomials. Pattern Recognition, 2015, 48, 2013-2028. | 8.1 | 12 |
| 59 | Object tracking based on an online learning network with total error rate minimization. Pattern Recognition, 2015, 48, 126-139. | 8.1 | 20 |
| 60 | Empirical survival error potential weighted least squares for binary pattern classification. , 2014, , . | | 1 |
| 61 | A single layer feedforward fusion network for face verification. , 2014, , . | | 1 |
| 62 | Twisting key absolute space for stretchy polynomial regression. , 2014, , . | | 2 |
| 63 | Joint kernel collaborative representation on Tensor manifold for face recognition. , 2014, , . | | 3 |
| 64 | Combining sclera and periocular features for multi-modal identity verification. Neurocomputing, 2014, 128, 185-198. | 5.9 | 31 |
| 65 | Face detection based on skin color likelihood. Pattern Recognition, 2014, 47, 1573-1585. | 8.1 | 68 |
| 66 | Pattern classification adopting multivariate polynomials. , 2014, , . | | 1 |
| 67 | Exploiting the relationships among several binary classifiers via data transformation. Pattern Recognition, 2014, 47, 1509-1522. | 8.1 | 11 |
| 68 | Weighted Online Sequential Extreme Learning Machine for Class Imbalance Learning. Neural Processing Letters, 2013, 38, 465-486. | 3.2 | 92 |
| 69 | Dynamic Detection-Rate-Based Bit Allocation With Genuine Interval Concealment for Binary Biometric Representation. IEEE Transactions on Cybernetics, 2013, 43, 843-857. | 9.5 | 10 |
| 70 | An online learning network for biometric scores fusion. Neurocomputing, 2013, 102, 65-77. | 5.9 | 19 |
| 71 | Extreme Learning Machines [Trends & Controversies]. IEEE Intelligent Systems, 2013, 28, 30-59. | 4.0 | 329 |
| 72 | Object tracking based on kernel recursive least-squares with total error rate minimization. , 2013, , . | | 0 |

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| 73 | Face identity verification based on sinusoidal projection. , 2013, , . | | 2 |
| 74 | Service-oriented architecture based on biometric using random features and incremental neural networks. Soft Computing, 2012, 16, 1539-1553. | 3.6 | 8 |
| 75 | On projection-based methods for periocular identity verification. , 2012, , . | | 2 |
| 76 | Extracting sclera features for cancelable identity verification. , 2012, , . | | 30 |
| 77 | A system for hand gesture based signature recognition. , 2012, , . | | 17 |
| 78 | An efficient dynamic reliability-dependent bit allocation for biometric discretization. Pattern Recognition, 2012, 45, 1960-1971. | 8.1 | 82 |
| 79 | An online AUC formulation for binary classification. Pattern Recognition, 2012, 45, 2266-2279. | 8.1 | 13 |
| 80 | Incremental face recognition for large-scale social network services. Pattern Recognition, 2012, 45, 2868-2883. | 8.1 | 44 |
| 81 | Extraction and fusion of partial face features for cancelable identity verification. Pattern Recognition, 2012, 45, 3288-3303. | 8.1 | 21 |
| 82 | Online AUC learning for biometric scores fusion. , 2011, , . | | 1 |
| 83 | Visual tracking with online discriminative learning. , 2011, , . | | 1 |
| 84 | Combining local face image features for identity verification. Neurocomputing, 2011, 74, 2452-2463. | 5.9 | 8 |
| 85 | An efficient incremental face annotation for large scale web services. Telecommunication Systems, 2011, 47, 197-214. | 2.5 | 5 |
| 86 | An analysis on equal width quantization and linearly separable subcode encoding-based discretization and its performance resemblances. Eurasip Journal on Advances in Signal Processing, 2011, 2011, . | 1.7 | 6 |
| 87 | Biometric security for mobile computing. Security and Communication Networks, 2011, 4, 483-486. | 1.5 | 3 |
| 88 | Fusion of visual and infrared face verification systems. Security and Communication Networks, 2011, 4, 500-514. | 1.5 | 2 |
| 89 | Realtime training on mobile devices for face recognition applications. Pattern Recognition, 2011, 44, 386-400. | 8.1 | 54 |
| 90 | Fusion of structured projections for cancelable face identity verification. , 2011, , . | | 1 |

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| 91 | MULTIMODAL BIOMETRICS: AN OVERVIEW AND SOME RECENT DEVELOPMENTS. , 2011, , 381-400. | | Ο |
| 92 | SVM-based feature extraction for face recognition. Pattern Recognition, 2010, 43, 2871-2881. | 8.1 | 61 |
| 93 | Cancellable biometrics and user-dependent multi-state discretization in BioHash. Pattern Analysis and Applications, 2010, 13, 301-307. | 4.6 | 27 |
| 94 | A performance driven methodology for cancelable face templates generation. Pattern Recognition, 2010, 43, 2544-2559. | 8.1 | 19 |
| 95 | An illumination invariant skin-color model for face detection. , 2010, , . | | 4 |
| 96 | An online learning algorithm for biometric scores fusion. , 2010, , . | | 6 |
| 97 | A projection framework for biometrie scores fusion. , 2010, , . | | 3 |
| 98 | An image edge mask for face identity verification. , 2010, , . | | 3 |
| 99 | Adaptive reduced multivariate polynomial equalizers for blu-ray disc channels. IEEE Transactions on Consumer Electronics, 2010, 56, 682-686. | 3.6 | 1 |
| 100 | Direct extraction and fusion of image pixel features for face identity verification. , 2010, , . | | 2 |
| 101 | Fusion of visual and infrared face biometric scores by projection. , 2009, , . | | Ο |
| 102 | Gait recognition using multi-bipolarized contour vector. International Journal of Control, Automation and Systems, 2009, 7, 799-808. | 2.7 | 23 |
| 103 | Fusing horizontal and vertical components of face images for identity verification. , 2009, , . | | 4 |
| 104 | Two-fold regularization for kernel Fisher discriminant analysis in face recognition. IEICE Electronics Express, 2009, 6, 540-545. | 0.8 | 1 |
| 105 | Biometric scores fusion based on total error rate minimization. Pattern Recognition, 2008, 41, 1066-1082. | 8.1 | 59 |
| 106 | Maximizing area under ROC curve for biometric scores fusion. Pattern Recognition, 2008, 41, 3373-3392. | 8.1 | 49 |
| 107 | Fusion of visual and infra-red face scores by weighted power series. Pattern Recognition Letters, 2008, 29, 603-615. | 4.2 | 6 |
| 108 | An error-counting network for pattern classification. Neurocomputing, 2008, 71, 1680-1693. | 5.9 | 4 |

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| 109 | Between Classification-Error Approximation and Weighted Least-Squares Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 658-669. | 13.9 | 69 |
| 110 | A collaborative face recognition framework on a social network platform. , 2008, , . | | 9 |
| 111 | Surrounding adaptive color image enhancement based on CIECAM02. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , . | 0.0 | 3 |
| 112 | DEWS: A Live Visual Surveillance System for Early Drowning Detection at Pool. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 196-210. | 8.3 | 54 |
| 113 | A method to combine visual and infrared face image verification systems. , 2008, , . | | 1 |
| 114 | Between AUC based and error rate based learning. , 2008, , . | | 1 |
| 115 | SVM-based Discriminant Analysis for face recognition. , 2008, , . | | 0 |
| 116 | Secure biometric-key generation with biometric helper. , 2008, , . | | 30 |
| 117 | Sparse random projection for efficient cancelable face feature extraction. , 2008, , . | | 4 |
| 118 | Deterministic Neural Classification. Neural Computation, 2008, 20, 1565-1595. | 2.2 | 89 |
| 119 | Projection learning models. , 2008, , . | | 1 |
| 120 | Robust Identity Verification Based on Infrared Face Images. , 2007, , . | | 4 |
| 121 | Simple Power Series for Pattern Classification. , 2007, , . | | Ο |
| 122 | An Encoding Scheme for Robust Face Recognition. , 2007, , . | | 0 |
| 123 | Performance Based Revocable Biometrics. , 2007, , . | | 2 |
| 124 | Robust Identity Verification Based on Infrared Face Images. , 2007, , . | | 0 |
| 125 | A Method to Enhance Face Biometric Security. , 2007, , . | | 42 |
| 126 | Error-Rate Based Biometrics Fusion. Lecture Notes in Computer Science, 2007, , 191-200. | 1.3 | 3 |

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| 127 | Changeable Biometrics for Appearance Based Face Recognition. , 2006, , . | | 41 |
| 128 | Training a reciprocal-sigmoid classifier by feature scaling-space. Machine Learning, 2006, 65, 273-308. | 5.4 | 13 |
| 129 | Training a ¿-Machine Classifier Using Feature Scaling-Space. , 2006, , . | | 1 |
| 130 | Learning from Target Knowledge Approximation. , 2006, , . | | 15 |
| 131 | A Framework for Empirical Classifiers Comparison. , 2006, , . | | 1 |
| 132 | Model-guided deformable hand shape recognition without positioning aids. Pattern Recognition, 2005, 38, 1651-1664. | 8.1 | 46 |
| 133 | Benchmarking a reduced multivariate polynomial pattern classifier. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 740-755. | 13.9 | 111 |
| 134 | Global Optimization by Monotonic Transformation. Computational Optimization and Applications, 2002, 23, 77-99. | 1.6 | 12 |
| 135 | An expert autotuner for multiloop SISO controllers. Control Engineering Practice, 1993, 1, 999-1008. | 5.5 | 5 |