

Choong-Yeun Liong

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

757
citations

1162367

8
h-index

552369

26
g-index

45
all docs

45
docs citations

45
times ranked

999
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Partial least squares-discriminant analysis (PLS-DA) for classification of high-dimensional (HD) data: a review of contemporary practice strategies and knowledge gaps. <i>Analyst, The</i> , 2018, 143, 3526-3539. | 1.7 | 434 |
| 2 | A contemporary review on Data Preprocessing (DP) practice strategy in ATR-FTIR spectrum. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 163, 64-75. | 1.8 | 115 |
| 3 | Effects of data pre-processing methods on classification of ATR-FTIR spectra of pen inks using partial least squares-discriminant analysis (PLS-DA). <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 182, 90-100. | 1.8 | 24 |
| 4 | Analysis of geometric moments as features for firearm identification. <i>Forensic Science International</i> , 2010, 198, 143-149. | 1.3 | 23 |
| 5 | Validity of the best practice in splitting data for hold-out validation strategy as performed on the ink strokes in the context of forensic science. <i>Microchemical Journal</i> , 2018, 139, 125-133. | 2.3 | 22 |
| 6 | Iterative random vs. Kennard-Stone sampling for IR spectrum-based classification task using PLS2-DA. <i>AIP Conference Proceedings</i> , 2018, , . | 0.3 | 17 |
| 7 | Comparison of linear discriminant analysis and logistic regression for data classification. , 2013, , . | | 12 |
| 8 | Deep Learning on Histopathology Images for Breast Cancer Classification: A Bibliometric Analysis. <i>Healthcare (Switzerland)</i> , 2022, 10, 10. | 1.0 | 12 |
| 9 | Comparison of several variants of principal component analysis (PCA) on forensic analysis of paper based on IR spectrum. <i>AIP Conference Proceedings</i> , 2016, , . | 0.3 | 8 |
| 10 | Analysis of Geometric Moments as Features for Identification of Forensic Ballistics Specimen. <i>Lecture Notes in Computer Science</i> , 2009, , 604-611. | 1.0 | 7 |
| 11 | Applying Fourier-Transform Infrared Spectroscopy and Self-Organizing Maps for Forensic Classification of White-Copy Papers. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2016, 6, 1033. | 0.2 | 7 |
| 12 | Q-mode versus R-mode principal component analysis for linear discriminant analysis (LDA). <i>AIP Conference Proceedings</i> , 2017, , . | 0.3 | 6 |
| 13 | Minimizing patient waiting time in emergency department of public hospital using simulation optimization approach. <i>AIP Conference Proceedings</i> , 2017, , . | 0.3 | 6 |
| 14 | Firearm recognition based on whole firing pin impression image via backpropagation neural network. , 2011, , . | | 5 |
| 15 | Firearm Classification Based on Numerical Features of the Firing Pin Impression. <i>Procedia Computer Science</i> , 2012, 13, 144-151. | 1.2 | 4 |
| 16 | A simulation study on garment manufacturing process. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 4 |
| 17 | Improving the performance of chili sauce manufacturing process using simulation approach. <i>AIP Conference Proceedings</i> , 2016, , . | 0.3 | 4 |
| 18 | Effects of scatter-correction pre-processing methods and spectral derivative algorithms on forensic classification of paper. <i>AIP Conference Proceedings</i> , 2016, , . | 0.3 | 4 |

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|----|--|-----|-----------|
| 19 | Forensic differentiation of paper by ATR-FTIR spectroscopy technique and partial least-squares-discriminant analysis (PLS-DA). AIP Conference Proceedings, 2016, , . | 0.3 | 4 |
| 20 | Statistical comparison of decision rules in PLS2-DA prediction model for classification of blue gel pen inks according to pen brand and pen model. Chemometrics and Intelligent Laboratory Systems, 2019, 184, 94-101. | 1.8 | 4 |
| 21 | Invariant Features from the Trace Transform for Jawi Character Recognition. Lecture Notes in Computer Science, 2009, , 256-263. | 1.0 | 4 |
| 22 | Performance Improvement of the Yellow Zone in Emergency Department using Discrete Event Simulation Approach. International Journal of Engineering and Technology(UAE), 2018, 7, 102. | 0.2 | 4 |
| 23 | Discrete Event Simulation and Data Envelopment Analysis Models for Selecting the Best Resource Allocation Alternative at an Emergency Department's Green Zone. Sains Malaysiana, 2018, 47, 2917-2925. | 0.3 | 4 |
| 24 | Firearm identification using numerical features of centre firing pin impression image. , 2012, , . | | 3 |
| 25 | A proposed simulation optimization model framework for emergency department problems in public hospital. AIP Conference Proceedings, 2015, , . | 0.3 | 3 |
| 26 | Estimating optimal resource capacities in emergency department. Indian Journal of Public Health Research and Development, 2018, 9, 1558. | 0.1 | 3 |
| 27 | Adaptive Binarization Method for Enhancing Ancient Malay Manuscript Images. Lecture Notes in Computer Science, 2011, , 619-627. | 1.0 | 3 |
| 28 | Vehicle and driver scheduling modelling: A case study in UKM. , 2009, , . | | 2 |
| 29 | Classification of pistol via numerical based features of firing pin impression image. , 2013, , . | | 1 |
| 30 | A model for routing problem in quay management problem. , 2014, , . | | 1 |
| 31 | An efficient automatic firearm identification system. , 2014, , . | | 1 |
| 32 | The effects of column-wise manipulations on accuracy of classical classifiers with high-dimensional spectral data. , 2017, , . | | 1 |
| 33 | Robust Camera Calibration for the MiroSot and the AndroSot Vision Systems Using Artificial Neural Networks. Advances in Intelligent Systems and Computing, 2015, , 571-585. | 0.5 | 1 |
| 34 | Camera Calibration: Transformation Real-World Coordinates into Camera Coordinates Using Neural Network. Communications in Computer and Information Science, 2013, , 345-360. | 0.4 | 1 |
| 35 | Object Signature Features Selection for Handwritten Jawi Recognition. Advances in Intelligent and Soft Computing, 2010, , 689-698. | 0.2 | 1 |
| 36 | Segmentation of Arabic Characters. , 2013, , 251-288. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Model Sistem Dinamik untuk Meramalkan Bilangan Pesakit dan Keperluan Sumber Tenaga di Zon Kuning Jabatan Kecemasan. Sains Malaysiana, 2019, 48, 909-920. | 0.3 | 1 |
| 38 | Fuzzy inference systems, ASKE, knowledge value added, and Monte Carlo risk simulation for evaluating intangible human capital investments. , 2013, , . | | 0 |
| 39 | Modeling and forecasting of KLCI weekly return using WT-ANN integrated model. , 2013, , . | | 0 |
| 40 | Improving operational anodising process performance using simulation approach. AIP Conference Proceedings, 2015, , . | 0.3 | 0 |
| 41 | Genetic algorithms for wavenumber selection in forensic differentiation of paper by linear discriminant analysis. AIP Conference Proceedings, 2016, , . | 0.3 | 0 |
| 42 | Estimating the right allocation of resources on weekends and public holidays in Green Zone using hybrid methods. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |
| 43 | Conceptual design of firearm identification mobile application (FIMA). AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 44 | A system dynamics model for predicting present and future demands in emergency department's green zone. Indian Journal of Public Health Research and Development, 2018, 9, 1566. | 0.1 | 0 |