

Choong-Yeun Liong

List of Publications by Year in descending order

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44
papers

757
citations

1163117
8
h-index

552781
26
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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. Analyst, The, 2018, 143, 3526-3539.	3.5	434
2	A contemporary review on Data Preprocessing (DP) practice strategy in ATR-FTIR spectrum. Chemometrics and Intelligent Laboratory Systems, 2017, 163, 64-75.	3.5	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). Chemometrics and Intelligent Laboratory Systems, 2018, 182, 90-100.	3.5	24
4	Analysis of geometric moments as features for firearm identification. Forensic Science International, 2010, 198, 143-149.	2.2	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. Microchemical Journal, 2018, 139, 125-133.	4.5	22
6	Iterative random vs. Kennard-Stone sampling for IR spectrum-based classification task using PLS2-DA. AIP Conference Proceedings, 2018, , .	0.4	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. Healthcare (Switzerland), 2022, 10, 10.	2.0	12
9	Comparison of several variants of principal component analysis (PCA) on forensic analysis of paper based on IR spectrum. AIP Conference Proceedings, 2016, , .	0.4	8
10	Analysis of Geometric Moments as Features for Identification of Forensic Ballistics Specimen. Lecture Notes in Computer Science, 2009, , 604-611.	1.3	7
11	Applying Fourier-Transform Infrared Spectroscopy and Self-Organizing Maps for Forensic Classification of White-Copy Papers. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 1033.	0.4	7
12	Q-mode versus R-mode principal component analysis for linear discriminant analysis (LDA). AIP Conference Proceedings, 2017, , .	0.4	6
13	Minimizing patient waiting time in emergency department of public hospital using simulation optimization approach. AIP Conference Proceedings, 2017, , .	0.4	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. Procedia Computer Science, 2012, 13, 144-151.	2.0	4
16	A simulation study on garment manufacturing process. AIP Conference Proceedings, 2015, , .	0.4	4
17	Improving the performance of chili sauce manufacturing process using simulation approach. AIP Conference Proceedings, 2016, , .	0.4	4
18	Effects of scatter-correction pre-processing methods and spectral derivative algorithms on forensic classification of paper. AIP Conference Proceedings, 2016, , .	0.4	4

#	ARTICLE	IF	CITATIONS
19	Forensic differentiation of paper by ATR-FTIR spectroscopy technique and partial least-squares-discriminant analysis (PLS-DA). AIP Conference Proceedings, 2016, , .	0.4	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.	3.5	4
21	Invariant Features from the Trace Transform for Jawi Character Recognition. Lecture Notes in Computer Science, 2009, , 256-263.	1.3	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.	0.3	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.	0.5	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, , .	0.4	3
26	Estimating optimal resource capacities in emergency department. Indian Journal of Public Health Research and Development, 2018, 9, 1558.	0.0	3
27	Adaptive Binarization Method for Enhancing Ancient Malay Manuscript Images. Lecture Notes in Computer Science, 2011, , 619-627.	1.3	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.	0.6	1
34	Camera Calibration: Transformation Real-World Coordinates into Camera Coordinates Using Neural Network. Communications in Computer and Information Science, 2013, , 345-360.	0.5	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.	0.5	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, , .	0.4	0
41	Genetic algorithms for wavenumber selection in forensic differentiation of paper by linear discriminant analysis. AIP Conference Proceedings, 2016, , .	0.4	0
42	Estimating the right allocation of resources on weekends and public holidays in Green Zone using hybrid methods. AIP Conference Proceedings, 2018, , .	0.4	0
43	Conceptual design of firearm identification mobile application (FIMA). AIP Conference Proceedings, 2020, , .	0.4	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.	0.0	0