Loong Chuen Lee

List of Publications by Year
in descending order

30	765	1162367 8	610482 24
papers	citations	h-index	g-index

31	31	31	963
all docs	docs citations	times ranked	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.	1.7	434
2	A contemporary review on Data Preprocessing (DP) practice strategy in ATR-FTIR spectrum. Chemometrics and Intelligent Laboratory Systems, 2017, 163, 64-75.	1.8	115
3	On overview of PCA application strategy in processing high dimensionality forensic data. Microchemical Journal, 2021, 169, 106608.	2.3	48
4	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.	1.8	24
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.	2.3	22
6	Predictive modelling of colossal ATR-FTIR spectral data using PLS-DA: empirical differences between PLS1-DA and PLS2-DA algorithms. Analyst, The, 2019, 144, 2670-2678.	1.7	22
7	Iterative random vs. Kennard-Stone sampling for IR spectrum-based classification task using PLS2-DA. AIP Conference Proceedings, 2018, , .	0.3	17
8	Review of contemporary chemometric strategies applied on preparing GCâ€“MS data in forensic analysis. Microchemical Journal, 2022, 181, 107732.	2.3	10
9	Comparison of several variants of principal component analysis (PCA) on forensic analysis of paper based on IR spectrum. AIP Conference Proceedings, 2016, , .	0.3	8
10	Nondestructive classification and identification of ballpoint pen inks by Raman spectroscopy for forensic document examinations. Journal of Analytical Chemistry, 2016, 71, 723-729.	0.4	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.	0.2	7
12	Q-mode versus R-mode principal component analysis for linear discriminant analysis (LDA). AIP Conference Proceedings, 2017, , .	0.3	6
13	Forensic Profiling of Non-Volatile Organic Compounds in Soil using Ultra-Performance Liquid Chromatography: A Pilot Study. Forensic Sciences Research, 2022, 7, 761-773.	0.9	6
14	A Study to Explore Discriminative Power of Attenuated Total Reflectance-Fourier Transform Infrared Spectroscopy for Forensic Paper Analysis Using Decision Tree Method. Journal of Analytical Chemistry, 2021, 76, 95-101.	0.4	6
15	Statistical discrimination of black ballpoint pen inks using ultra-performance liquid chromatography with principal component analysis. Journal of Analytical Chemistry, 2015, 70, 374-377.	0.4	5
16	Effects of scatter-correction pre-processing methods and spectral derivative algorithms on forensic classification of paper. AIP Conference Proceedings, 2016, , .	0.3	4
17	Forensic differentiation of paper by ATR-FTIR spectroscopy technique and partial least-squares-discriminant analysis (PLS-DA). AIP Conference Proceedings, 2016, , .	0.3	4
18	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

#	Article	IF	Citations
19	A comparison between univariate and multivariate statistical techniques to determine source of pen inks using ultra-performance liquid chromatography (UPLC) chromatograms. Journal of Liquid Chromatography and Related Technologies, 2021, 44, 1-11.	0.5	4
20	Correspondence. Applied Spectroscopy, 2016, 70, 1598-1601.	1.2	2
21	Preliminary study on morphometric analysis of the human scalp hair for discrimination of ethnic Malay and ethnic Chinese in Malaysia. Egyptian Journal of Forensic Sciences, 2019, 9, .	0.4	2
22	Comparison Of Stratified And Random Iterative Sampling In Evaluation Of Pls-Da Model. , 0, , .		2
23	Evaluation of Row-wise Manipulations for the Forensic Differentiation of Malaysian Soils based on Ultra-performance Liquid Chromatographic Profiles. Journal of Analytical Chemistry, 2022, 77, 347-360.	0.4	2
24	The effects of column-wise manipulations on accuracy of classical classifiers with high-dimensional spectral data. , 2017, , .		1
25	The Application of TOPSIS in the Selection of Statistical Prediction Model: A Forensic Ink Analysis Case Study. , 2020, , .		1
26	Assessment of the Spatial Variability of Air Pollutant Concentrations at Industrial Background Stations in Malaysia Using Self-organizing Map (SOM). Lecture Notes on Data Engineering and Communications Technologies, 2022, , 291-304.	0.5	1
27	Genetic algorithms for wavenumber selection in forensic differentiation of paper by linear discriminant analysis. AIP Conference Proceedings, 2016, , .	0.3	0
28	A Forensic Study of Ethnicity and Sex Differences in Fingerprint Patterns in a Malaysian Subpopulation. Medicine & Health, 2021, 16, 92-107.	0.2	0
29	Comparison Between Self-organizing Maps and Principal Component Analysis for Assessment of Temporal Variations of Air Pollutants. Algorithms for Intelligent Systems, 2021, , 855-866.	0.5	0
30	Forensic Gender Discrimination in Malaysian Population Using Machine Learning Methods. , 2020, , .		0