Loong Chuen Lee

List of Publications by Year in Descending Order

24 papers	398 citations	7 h-index	19 g-index
31 ext. papers	554 ext. citations	2.4 avg, IF	4.47 L-index

#	Paper	IF	Citations
24	Prediction of the Geographical Origin of Soils Using Ultra-Performance Liquid Chromatography (UPLC) Fingerprinting and K-Nearest Neighbor (K-NN). *Algorithms for Intelligent Systems*, **2022**, 47-56	0.5	
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	1.1	
22	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	0.4	
21	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	1.3	4
20	On overview of PCA application strategy in processing high dimensionality forensic data. *Microchemical Journal*, **2021**, 169, 106608	4.8	8
19	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	1.1	1
18	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	
17	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	5	12
16	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	3.8	4
15	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	4.8	14
14	Iterative random vs. Kennard-Stone sampling for IR spectrum-based classification task using PLS2-DA **2018**,		13
13	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	5	219
12	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	3.8	13
11	A contemporary review on Data Preprocessing (DP) practice strategy in ATR-FTIR spectrum. *Chemometrics and Intelligent Laboratory Systems*, **2017**, 163, 64-75	3.8	72
10	Q-mode versus R-mode principal component analysis for linear discriminant analysis (LDA) **2017**,		5
9	The effects of column-wise manipulations on accuracy of classical classifiers with high-dimensional spectral data **2017**,		1
8	Correspondence. *Applied Spectroscopy*, **2016**, 70, 1598-601	3.1	2

List of Publications

7	Effects of scatter-correction pre-processing methods and spectral derivative algorithms on forensic classification of paper **2016**,		2
6	Forensic differentiation of paper by ATR-FTIR spectroscopy technique and partial least-squares-discriminant analysis (PLS-DA) **2016**,		3
5	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	1.6	5
4	Nondestructive classification and identification of ballpoint pen inks by Raman spectroscopy for forensic document examinations. *Journal of Analytical Chemistry*, **2016**, 71, 723-729	1.1	5
3	Comparison of several variants of principal component analysis (PCA) on forensic analysis of paper based on IR spectrum **2016**,		7
2	Statistical discrimination of black ballpoint pen inks using ultra-performance liquid chromatography with principal component analysis. *Journal of Analytical Chemistry*, **2015**, 70, 374-377	1.1	5
1	Forensic profiling of non-volatile organic compounds in soil using ultra-performance liquid chromatography: a pilot study. *Forensic Sciences Research*,1-13	3.6	2