

# Loong Chuen Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

765  
citations

1162367

8  
h-index

610482

24  
g-index

31  
all docs

31  
docs citations

31  
times ranked

963  
citing authors

#	ARTICLE	IF	CITATIONS
1	Forensic Profiling of Non-Volatile Organic Compounds in Soil using Ultra-Performance Liquid Chromatography: A Pilot Study. <i>Forensic Sciences Research</i> , 2022, 7, 761-773.	0.9	6
2	Evaluation of Row-wise Manipulations for the Forensic Differentiation of Malaysian Soils based on Ultra-performance Liquid Chromatographic Profiles. <i>Journal of Analytical Chemistry</i> , 2022, 77, 347-360.	0.4	2
3	Assessment of the Spatial Variability of Air Pollutant Concentrations at Industrial Background Stations in Malaysia Using Self-organizing Map (SOM). <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2022, , 291-304.	0.5	1
4	Review of contemporary chemometric strategies applied on preparing GC-MS data in forensic analysis. <i>Microchemical Journal</i> , 2022, 181, 107732.	2.3	10
5	A Forensic Study of Ethnicity and Sex Differences in Fingerprint Patterns in a Malaysian Subpopulation. <i>Medicine &amp; Health</i> , 2021, 16, 92-107.	0.2	0
6	On overview of PCA application strategy in processing high dimensionality forensic data. <i>Microchemical Journal</i> , 2021, 169, 106608.	2.3	48
7	A Study to Explore Discriminative Power of Attenuated Total Reflectance-Fourier Transform Infrared Spectroscopy for Forensic Paper Analysis Using Decision Tree Method. <i>Journal of Analytical Chemistry</i> , 2021, 76, 95-101.	0.4	6
8	Comparison Between Self-organizing Maps and Principal Component Analysis for Assessment of Temporal Variations of Air Pollutants. <i>Algorithms for Intelligent Systems</i> , 2021, , 855-866.	0.5	0
9	A comparison between univariate and multivariate statistical techniques to determine source of pen inks using ultra-performance liquid chromatography (UPLC) chromatograms. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2021, 44, 1-11.	0.5	4
10	Forensic Gender Discrimination in Malaysian Population Using Machine Learning Methods. , 2020, , .		0
11	The Application of TOPSIS in the Selection of Statistical Prediction Model: A Forensic Ink Analysis Case Study. , 2020, , .		1
12	Preliminary study on morphometric analysis of the human scalp hair for discrimination of ethnic Malay and ethnic Chinese in Malaysia. <i>Egyptian Journal of Forensic Sciences</i> , 2019, 9, .	0.4	2
13	Predictive modelling of colossal ATR-FTIR spectral data using PLS-DA: empirical differences between PLS1-DA and PLS2-DA algorithms. <i>Analyst, The</i> , 2019, 144, 2670-2678.	1.7	22
14	Statistical comparison of decision rules in PLS2-DA prediction model for classification of blue gel pen inks according to pen brand and pen model. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 184, 94-101.	1.8	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. <i>Microchemical Journal</i> , 2018, 139, 125-133.	2.3	22
16	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
17	Iterative random vs. Kennard-Stone sampling for IR spectrum-based classification task using PLS2-DA. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	17
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Q-mode versus R-mode principal component analysis for linear discriminant analysis (LDA). <i>AIP Conference Proceedings</i> , 2017, , .	0.3	6
21	The effects of column-wise manipulations on accuracy of classical classifiers with high-dimensional spectral data. , 2017, , .		1
22	Nondestructive classification and identification of ballpoint pen inks by Raman spectroscopy for forensic document examinations. <i>Journal of Analytical Chemistry</i> , 2016, 71, 723-729.	0.4	7
23	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
24	Correspondence. <i>Applied Spectroscopy</i> , 2016, 70, 1598-1601.	1.2	2
25	Genetic algorithms for wavenumber selection in forensic differentiation of paper by linear discriminant analysis. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
26	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
27	Forensic differentiation of paper by ATR-FTIR spectroscopy technique and partial least-squares-discriminant analysis (PLS-DA). <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
28	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
29	Statistical discrimination of black ballpoint pen inks using ultra-performance liquid chromatography with principal component analysis. <i>Journal of Analytical Chemistry</i> , 2015, 70, 374-377.	0.4	5
30	Comparison Of Stratified And Random Iterative Sampling In Evaluation Of Pls-Da Model. , 0, , .		2