Abdul Aziz Jemain

List of Publications by Year
in descending order

39 papers	1,581 citations	361296 20 h-index	330025 37 g-index
39 all docs	39 docs citations	39 times ranked	1850 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	Trend and status of air quality at three different monitoring stations in the Klang Valley, Malaysia. Air Quality, Atmosphere and Health, 2010, 3, 53-64.	1.5	163
3	Recent changes in extreme rainfall events in Peninsular Malaysia: 1971â€"2005. Theoretical and Applied Climatology, 2010, 99, 303-314.	1.3	71
4	Spatial analysis of daily rainfall intensity and concentration index in Peninsular Malaysia. Theoretical and Applied Climatology, 2012, 108, 235-245.	1.3	64
5	Spatial trends of dry spells over Peninsular Malaysia during monsoon seasons. Theoretical and Applied Climatology, 2010, 99, 357-371.	1.3	58
6	Spatial patterns and trends of daily rainfall regime in Peninsular Malaysia during the southwest and northeast monsoons: 1975â€"2004. Meteorology and Atmospheric Physics, 2010, 110, 1-18.	0.9	55
7	A sustainable city index for Malaysia. International Journal of Sustainable Development and World Ecology, 2011, 18, 28-35.	3.2	49
8	On overview of PCA application strategy in processing high dimensionality forensic data. Microchemical Journal, 2021, 169, 106608.	2.3	48
9	Investigating the impacts of adjoining wet days on the distribution of daily rainfall amounts in Peninsular Malaysia. Journal of Hydrology, 2009, 368, 17-25.	2.3	47
10	Comparing rainfall patterns between regions in Peninsular Malaysia via a functional data analysis technique. Journal of Hydrology, 2011, 411, 197-206.	2.3	47
11	Analysis of drought condition and risk in Peninsular Malaysia using Standardised Precipitation Index. Theoretical and Applied Climatology, 2013, 111, 559-568.	1.3	44
12	Fitting Daily Rainfall Amount in Malaysia Using the Normal Transform Distribution. Journal of Applied Sciences, 2007, 7, 1880-1886.	0.1	44
13	The best fitting distribution of annual maximum rainfall in Peninsular Malaysia based on methods of L-moment and LQ-moment. Theoretical and Applied Climatology, 2009, 96, 337-344.	1.3	42
14	Anomaly detection and assessment of PM 10 functional data at several locations in the Klang Valley, Malaysia. Atmospheric Pollution Research, 2015, 6, 365-375.	1.8	37
15	The Drought Characteristics Using the First-Order Homogeneous Markov Chain of Monthly Rainfall Data in Peninsular Malaysia. Water Resources Management, 2015, 29, 1523-1539.	1.9	36
16	The best probability models for dry and wet spells in Peninsular Malaysia during monsoon seasons. International Journal of Climatology, 2010, 30, 1194-1205.	1.5	33
17	Fitting optimum order of Markov chain models for daily rainfall occurrences in Peninsular Malaysia. Theoretical and Applied Climatology, 2009, 97, 109-121.	1.3	26
18	Fitting the distribution of dry and wet spells with alternative probability models. Meteorology and Atmospheric Physics, 2009, 104, 13-27.	0.9	24

#	Article	IF	Citations
19	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
20	Statistical distributions of extreme dry spell in Peninsular Malaysia. Theoretical and Applied Climatology, 2010, 102, 253-264.	1.3	23
21	Bayesian structural equation modeling for the health index. Journal of Applied Statistics, 2013, 40, 1254-1269.	0.6	23
22	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
23	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
24	Common mental disorders in Malaysia: Malaysian mental health survey, 2003-2005. Asia-Pacific Psychiatry, 2012, 4, 201-209.	1.2	20
25	On the application of structural equation modeling for the construction of a health index. Environmental Health and Preventive Medicine, 2010, 15, 285-291.	1.4	19
26	Multistage Median Ranked Set Sampling for Estimating the Population Median. Journal of Mathematics and Statistics, 2007, 3, 58-64.	0.2	17
27	Mixed log series geometric distribution for sequences of dry days. Atmospheric Research, 2009, 92, 236-243.	1.8	14
28	Bayesian quantile regression model for claim count data. Insurance: Mathematics and Economics, 2016, 66, 124-137.	0.7	13
29	The Clinical Interview Schedule-Revised (CIS-R)-Malay Version, Clinical Validation. The Malaysian Journal of Medical Sciences, 2006, 13, 58-62.	0.3	13
30	Enzyme activity profiles and ELISA analysis of biomarkers from human saliva and gingival crevicular fluid during orthodontic tooth movement using self-ligating brackets. Oral Health and Dental Management, 2014, 13, 194-9.	0.7	12
31	Semi-parametric Estimation for Selecting Optimal Threshold of Extreme Rainfall Events. Water Resources Management, 2013, 27, 2325-2352.	1.9	10
32	Stability of lactate dehydrogenase, aspartate aminotransferase, alkaline phosphatase and tartrate resistant acid phosphatase in human saliva and gingival crevicular fluid in the presence of protease inhibitor. Archives of Biological Sciences, 2013, 65, 1131-1140.	0.2	6
33	Semi-parametric Estimation Based on Second Order Parameter for Selecting Optimal Threshold of Extreme Rainfall Events. Water Resources Management, 2014, 28, 3489-3514.	1.9	5
34	Assessing Schools' Academic Performance Using a Belief Structure. Social Indicators Research, 2012, 106, 187-197.	1.4	4
35	Forensic differentiation of paper by ATR-FTIR spectroscopy technique and partial least-squares-discriminant analysis (PLS-DA). AIP Conference Proceedings, 2016, , .	0.3	4
36	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
37	Mixed probability models for dry and wet spells. Statistical Methodology, 2009, 6, 290-303.	0.5	2
38	The effects of column-wise manipulations on accuracy of classical classifiers with high-dimensional spectral data. , 2017, , .		1
39	The Application of TOPSIS in the Selection of Statistical Prediction Model: A Forensic Ink Analysis Case Study. , 2020, , .		1