

Hafizan Juahir

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93 papers	2,143 citations	24 h-index	44 g-index
101 ext. papers	2,547 ext. citations	2.8 avg, IF	4.94 L-index

#	Paper	IF	Citations
93	Chemical composition of rainwater harvested in East Malaysia. <i>Environmental Engineering Research</i> , 2022 , 27, 200508-0	3.6	
92	Development of COVID-19 Health-Risk Assessment and Self-Evaluation (CHaSe): a health screening system for university students and staff during the movement control order (MCO).. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2022 , 11, 21	1.6	1
91	Estimation of rainwater harvesting by the reflectance of the purity index of rainfall. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 35613-35627	5.1	1
90	Central Composite Design: a Response Surface Methodology Approach in Biodegradation of Textile Dye Wastewater. <i>Daehan Hwanggyeong Gonghag Hoeji</i> , 2021 , 43, 461-475	0.6	
89	Tracing sewage contamination based on sterols and stanols markers within the mainland aquatic ecosystem: a case study of Linggi catchment, Malaysia. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 20717-20736	5.1	1
88	Support vector machines for oil classification link with polyaromatic hydrocarbon contamination in the environment. <i>Water Science and Technology</i> , 2021 , 83, 1039-1054	2.2	0
87	Occurrence of pesticides in surface water, pesticides removal efficiency in drinking water treatment plant and potential health risk to consumers in Tenggi River Basin, Malaysia. <i>Science of the Total Environment</i> , 2020 , 712, 136540	10.2	47
86	Psychoacoustic and cognitive effects of brain oscillations during listening to Fatimah Chapter. <i>Bangladesh Journal of Medical Science</i> , 2019 , 18, 665-667	0.4	
85	Development of water quality index of ex-mining ponds in Malaysia. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019 , 15, 54-60	2.1	2
84	The Superiority of Supercritical Fluid Extraction Over Steam Distillation and Solvent Extraction Methods for the Extraction of Aroma from Salacca Zalacca (Gaertn.) Voss. <i>Oriental Journal of Chemistry</i> , 2019 , 35, 1669-1677	0.8	
83	The assessment of Danau Kota Lake water quality using chemometrics approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 621, 012019	0.4	3
82	Water quality modelling using artificial neural network and multivariate statistical techniques. <i>Modeling Earth Systems and Environment</i> , 2019 , 5, 583-593	3.2	43
81	Consumption of water from ex-mining ponds in Klang Valley and Melaka, Malaysia: A health risk study. <i>Chemosphere</i> , 2018 , 195, 641-652	8.4	11
80	A multilateral modelling of Youth Soccer Performance Index (YSPI). <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 342, 012057	0.4	12
79	Pattern Recognition of Melaleuca cajuputi Powell Essential Oils Fingerprint in Terengganu, Malaysia Using Chemometric Approach. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 132	0.8	0
78	Environmental Forensic Techniques in Identifying the Sources of 16 USEPA Priority Pollutants Polycyclic Aromatic Hydrocarbons (PAHs) at the Langat River, Selangor, Malaysia. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 123	0.8	1
77	Trend Detection of Drug Abuse Using Multivariate Analysis in Malaysia During the Years 2005 to 2015. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 147	0.8	

76	DMAIC Six Sigma Methodology in Petroleum Hydrocarbon Oil Classification. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 98	0.8	6
75	A multivariate analysis of cardiopulmonary parameters in archery performance. <i>Human Movement</i> , 2018 , 19, 35-41	0.8	12
74	Moringa Oleifera Dosage Clustering for Remediation Process of Batik Effluents Using Chemometric Technique. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 85	0.8	3
73	The Potential Impacts of Anthropogenic and Climate Changes Factors on Surface Water Ecosystem Deterioration at Kenyir Lake, Malaysia. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 67	0.8	4
72	The Development of Athlete Performance Capabilities Index (APCI) Model for Male U12 Player Selection using Multivariate Analysis. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 97	0.8	
71	The Evaluation of Dissolved Oxygen (DO), Total Suspended Solids (TSS) and Suspended Sediment Concentration (SSC) in Terengganu River, Malaysia. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 44	0.8	1
70	Evaluation of Annual Sediment Load Production in Kenyir Lake Reservoir, Malaysia. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 55	0.8	2
69	Combination of Sensory, Chromatographic, and Chemometrics Analysis of Volatile Organic Compounds for the Discrimination of Authentic and Unauthentic Harumanis Mangoes. <i>Molecules</i> , 2018 , 23,	4.8	8
68	Development of Spatial Distribution Model using GIS to Identify Social Support Index Among Drug-Abuse Inmates. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 1	0.8	
67	Groundwater quality assessment using integrated geochemical methods, multivariate statistical analysis, and geostatistical technique in shallow coastal aquifer of Terengganu, Malaysia. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	15
66	Improving oil classification quality from oil spill fingerprint beyond six sigma approach. <i>Marine Pollution Bulletin</i> , 2017 , 120, 322-332	6.7	14
65	A review of biomass-derived heterogeneous catalyst for a sustainable biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 70, 1040-1051	16.2	226
64	Tracing the sources of lead (Pb) in Brunei Bay, Borneo by using integrated spectrometry ICP-MS and chemometric techniques. <i>Marine Pollution Bulletin</i> , 2017 , 123, 232-240	6.7	13
63	Optimization of biodiesel production by solid acid catalyst derived from coconut shell via response surface methodology. <i>International Biodeterioration and Biodegradation</i> , 2017 , 124, 250-257	4.8	55
62	The Effectiveness of Ergonomic Practice in Preventing Musculoskeletal Disorder Among Asian Construction Workers: Case Study in Kuala Lumpur, Malaysia. <i>Advanced Science Letters</i> , 2017 , 23, 11391-11394	0.1	1
61	Evaluation of water quality variation in lakes, rivers, and ex-mining ponds in Malaysia (review). <i>Desalination and Water Treatment</i> , 2016 , 57, 28215-28239		10
60	A STUDY OF MICROBE AIR LEVELS IN SELECTED ROOMS OF A HOSPITAL CULTIVATED ON TWO CULTURE MEDIAS. <i>Malaysian Journal of Analytical Sciences</i> , 2016 , 20, 1217-1224	1	2
59	Multi-Hierarchical Pattern Recognition of Athlete's Relative Performance as A Criterion for Predicting Potential Athletes. <i>Journal of Young Pharmacists</i> , 2016 , 8, 463-470	1.8	22

58	Selection of the Most Significant Variables of Air Pollutants Using Sensitivity Analysis. <i>Journal of Testing and Evaluation</i> , 2016 , 44, 20140325	1	3
57	Contamination of Nitrate in Groundwater and Evaluation of Health Risk in Bachok, Kelantan: A Cross-Sectional Study. <i>American Journal of Applied Sciences</i> , 2016 , 13, 80-90	0.8	6
56	Development of Chromatographic Fingerprints of Eurycoma longifolia (Tongkat Ali) Roots Using Online Solid Phase Extraction-Liquid Chromatography (SPE-LC). <i>Molecules</i> , 2016 , 21,	4.8	7
55	Chemometric techniques in oil classification from oil spill fingerprinting. <i>Marine Pollution Bulletin</i> , 2016 , 111, 339-346	6.7	19
54	Local community acceptance of the rare earth industry: the case of the Lynas Advanced Materials Plant (LAMP) in Malaysia. <i>Environment, Development and Sustainability</i> , 2016 , 18, 739-762	4.5	6
53	Spatial assessment and source identification of heavy metals pollution in surface water using several chemometric techniques. <i>Marine Pollution Bulletin</i> , 2016 , 106, 292-300	6.7	56
52	Artificial neural network modeling of the water quality index using land use areas as predictors. <i>Water Environment Research</i> , 2015 , 87, 99-112	2.8	18
51	Hydrologic response characteristics of a tropical catchment to land use changes: a case study of The Nerus catchment. <i>Environmental Earth Sciences</i> , 2015 , 73, 7533-7545	2.9	0
50	Chemometric Interpretation on the Occurrence of Endocrine Disruptors in Source Water from Malaysia. <i>Clean - Soil, Air, Water</i> , 2015 , 43, 804-810	1.6	3
49	Analysis of meander evolution studies on effect from land use and climate change at the upstream reach of the Pahang River, Malaysia. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015 , 20, 1319-1334	3.9	7
48	Lynas Advance Material Plant (LAMP) Project: Examining Factors Influencing Risk Acceptance by the Host Community. <i>Procedia Environmental Sciences</i> , 2015 , 30, 21-26		
47	Environmetric Techniques Application in Water Quality Assessment: A Case Study in Linggi River Basin. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 74,	1.2	2
46	HEAVY METAL IN FISH: ANALYSIS AND HUMAN HEALTH-A REVIEW. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	5
45	ASSESSMENT OF THE SPATIAL VARIATION AND SOURCE APPORTIONMENT OF AIR POLLUTION BASED ON CHEMOMETRIC TECHNIQUES: A CASE STUDY IN THE PENINSULAR MALAYSIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	3
44	INDOOR AIR QUALITY AT HIGHER INSTITUTIONS LABORATORY: A STUDY ON PRE-SYMPTOMS, AWARENESS AND UNDERSTANDING AMONG OCCUPANTS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	1
43	SPATIAL ANALYSIS OF THE CERTAIN AIR POLLUTANTS USING ENVIRONMETRIC TECHNIQUES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 75,	1.2	3
42	FLOOD RISK PATTERN RECOGNITION BY USING ENVIRONMETRIC TECHNIQUE: A CASE STUDY IN LANGAT RIVER BASIN. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	2
41	SPATIAL CHARACTERIZATION AND IDENTIFICATION SOURCES OF POLLUTION USING MULTIVARIATE ANALYSIS AT TERENGGANU RIVER BASIN, MALAYSIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	5

40	Classification of River Water Quality Using Multivariate Analysis. <i>Procedia Environmental Sciences</i> , 2015 , 30, 79-84		56
39	Phenomenon of Slope Failure Occurrences along Gerik-Jeli Highway, Malaysia. <i>Journal of Applied Sciences</i> , 2015 , 15, 545-551	0.3	2
38	Identification Source of Variation on Regional Impact of Air Quality Pattern Using Chemometric. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 1545-1558	4.6	5
37	Prediction of the Level of Air Pollution Using Principal Component Analysis and Artificial Neural Network Techniques: a Case Study in Malaysia. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	76
36	Variation of surface ozone exceedance around Klang Valley, Malaysia. <i>Atmospheric Research</i> , 2014 , 139, 116-127	5.4	37
35	Identification of the hydrogeochemical processes in groundwater using classic integrated geochemical methods and geostatistical techniques, in Amol-Babol Plain, Iran. <i>Scientific World Journal, The</i> , 2014 , 2014, 419058	2.2	57
34	Source Apportionment of Air Pollution: A Case Study In Malaysia. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 72,	1.2	6
33	Source Apportionment of Particulate Matter (PM10) and Indoor Dust in a University Building. <i>Environmental Forensics</i> , 2014 , 15, 8-16	1.6	16
32	Robust principal component analysis in water quality index development 2014 ,		4
31	Composition of selected heavy metals in road dust from Kuala Lumpur city centre. <i>Environmental Earth Sciences</i> , 2014 , 72, 849-859	2.9	74
30	Surface water quality contamination source apportionment and physicochemical characterization at the upper section of the Jakara Basin, Nigeria. <i>Arabian Journal of Geosciences</i> , 2013 , 6, 4903-4915	1.8	24
29	River water quality assessment using environmetric techniques: case study of Jakara River Basin. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5630-44	5.1	50
28	Spatial and temporal air quality pattern recognition using environmetric techniques: a case study in Malaysia. <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 1717-28	4.3	25
27	Application of Environmetric Methods to Surface Water Quality Assessment of Langkawi Geopark (Malaysia). <i>Environmental Forensics</i> , 2013 , 14, 230-239	1.6	11
26	Chemometric techniques in distribution, characterisation and source apportionment of polycyclic aromatic hydrocarbons (PAHS) in aquaculture sediments in Malaysia. <i>Marine Pollution Bulletin</i> , 2013 , 69, 55-66	6.7	68
25	The Langat River water quality index based on principal component analysis 2013 ,		6
24	Water quality assessment and analysis of spatial patterns and temporal trends. <i>Water Environment Research</i> , 2013 , 85, 751-66	2.8	4
23	Feed-Forward Artificial Neural Network Model for Air Pollutant Index Prediction in the Southern Region of Peninsular Malaysia. <i>Journal of Environmental Protection</i> , 2013 , 04, 1-10	0.6	20

22	Temporal patterns and source apportionment of nitrate-nitrogen leaching in a paddy field at Kelantan, Malaysia. <i>Pakistan Journal of Biological Sciences</i> , 2013 , 16, 1524-30	0.8	
21	Characterization of spatial patterns in river water quality using chemometric pattern recognition techniques. <i>Marine Pollution Bulletin</i> , 2012 , 64, 688-98	6.7	66
20	Chemometric application in identifying sources of organic contaminants in Langat river basin. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 1001-14	3.1	32
19	Spatial-temporal variation of surface water quality in the downstream region of the Jakara River, north-western Nigeria: A statistical approach. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012 , 47, 1551-60	2.3	18
18	Inorganic nitrogen, sterols and bacterial source tracking as tools to characterize water quality and possible contamination sources in surface water. <i>Water Research</i> , 2012 , 46, 1079-92	12.5	40
17	Spatial assessment of air quality patterns in Malaysia using multivariate analysis. <i>Atmospheric Environment</i> , 2012 , 60, 172-181	5.3	158
16	Artificial neural network modeling of the water quality index for Kinta River (Malaysia) using water quality variables as predictors. <i>Marine Pollution Bulletin</i> , 2012 , 64, 2409-20	6.7	176
15	Faecal sterols as sewage markers in the Langat River, Malaysia: integration of biomarker and multivariate statistical approaches. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1600-8	6.4	28
14	Application of chemometrics in understanding the spatial distribution of human pharmaceuticals in surface water. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 6735-48	3.1	36
13	Application of receptor models on water quality data in source apportionment in Kuantan River Basin. <i>Iranian Journal of Environmental Health Science & Engineering</i> , 2012 , 9, 18		12
12	Temporal aspects of surface water quality variation using robust statistical tools. <i>Scientific World Journal, The</i> , 2012 , 2012, 294540	2.2	10
11	USE OF 137CS ACTIVITY TO INVESTIGATE SEDIMENT MOVEMENT AND TRANSPORT MODELING IN RIVER COASTAL ENVIRONMENT. <i>American Journal of Environmental Sciences</i> , 2012 , 8, 417-423	0.5	16
10	Development of an indoor air quality checklist for risk assessment of indoor air pollutants by semiquantitative score in nonindustrial workplaces. <i>Risk Management and Healthcare Policy</i> , 2012 , 5, 17-23	2.8	5
9	Analysis of indoor air pollutants checklist using environmetric technique for health risk assessment of sick building complaint in nonindustrial workplace. <i>Drug, Healthcare and Patient Safety</i> , 2012 , 4, 107-26	1.6	4
8	Spatial water quality assessment of Langat River Basin (Malaysia) using environmetric techniques. <i>Environmental Monitoring and Assessment</i> , 2011 , 173, 625-41	3.1	186
7	Study on the Impact of Tidal Effects on Water Quality Modelling of Juru River, Malaysia. <i>Asian Journal of Scientific Research</i> , 2011 , 4, 129-138	0.3	3
6	Perspectives and Initiatives on Integrated River Basin Management in Malaysia: A Review. <i>Social Sciences</i> , 2011 , 6, 169-176	1.7	5
5	Spatial assessment of Langat River water quality using chemometrics. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 287-95		31

4	Lineament mapping and its application in landslide hazard assessment: a review. <i>Bulletin of Engineering Geology and the Environment</i> , 2010 , 69, 215-233	4	67
3	Study of Water Level-Discharge Relationship Using Artificial Neural Network (ANN) in Sungai Gumum, Tasik Chini Pahang Malaysia. <i>Research Journal of Applied Sciences</i> , 2010 , 5, 20-26	1	14
2	Chemometric approach to validating faecal sterols as source tracer for faecal contamination in water. <i>Water Research</i> , 2009 , 43, 5023-30	12.5	24
1	Coastal Flood Phenomenon in Terengganu, Malaysia: Special Reference to Dungun. <i>Research Journal of Environmental Sciences</i> , 2007 , 1, 102-109	0	8