Mohammad Firuz Ramli

List of Publications by Year
in descending order

66	2,759	218381 26	182168 51
papers	citations	h-index	g-index

67	67	67	2871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial neural network modeling of the water quality index for Kinta River (Malaysia) using water quality variables as predictors. Marine Pollution Bulletin, 2012, 64, 2409-2420.	2.3	280
2	Application of probabilistic-based frequency ratio model in groundwater potential mapping using remote sensing data and GIS. Arabian Journal of Geosciences, 2014, 7, 711-724.	0.6	249
3	A knowledge-driven GIS modeling technique for groundwater potential mapping at the Upper Langat Basin, Malaysia. Arabian Journal of Geosciences, 2013, 6, 1621-1637.	0.6	229
4	The simulation and prediction of spatio-temporal urban growth trends using cellular automata models: A review. International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 380-389.	1.4	175
5	Improving the capability of an integrated CA-Markov model to simulate spatio-temporal urban growth trends using an Analytical Hierarchy Process and Frequency Ratio. International Journal of Applied Earth Observation and Geoinformation, 2017, 59, 65-78.	1.4	124
6	Groundwater Quality Assessment for Sustainable Drinking and Irrigation. Sustainability, 2020, 12, 177.	1.6	104
7	Lineament mapping and its application in landslide hazard assessment: a review. Bulletin of Engineering Geology and the Environment, 2010, 69, 215-233.	1.6	102
8	Identification of the Hydrogeochemical Processes in Groundwater Using Classic Integrated Geochemical Methods and Geostatistical Techniques, in Amol-Babol Plain, Iran. Scientific World Journal, The, 2014, 2014, 1-15.	0.8	85
9	Characterization of spatial patterns in river water quality using chemometric pattern recognition techniques. Marine Pollution Bulletin, 2012, 64, 688-698.	2.3	84
10	River water quality assessment using environmentric techniques: case study of Jakara River Basin. Environmental Science and Pollution Research, 2013, 20, 5630-5644.	2.7	79
11	Classification of River Water Quality Using Multivariate Analysis. Procedia Environmental Sciences, 2015, 30, 79-84.	1.3	77
12	Evaluation of Factors Influencing the Groundwater Chemistry in a Small Tropical Island of Malaysia. International Journal of Environmental Research and Public Health, 2013, 10, 1861-1881.	1.2	73
13	Assessment of groundwater vulnerability to anthropogenic pollution and seawater intrusion in a small tropical island using index-based methods. Environmental Science and Pollution Research, 2015, 22, 1512-1533.	2.7	68
14	Land Suitability Analysis of Urban Growth in Seremban Malaysia, Using GIS Based Analytical Hierarchy Process. Procedia Engineering, 2017, 198, 1128-1136.	1.2	65
15	GIS-based integrated evaluation of environmentally sensitive areas (ESAs) for land use planning in Langkawi, Malaysia. Ecological Indicators, 2016, 61, 293-308.	2.6	57
16	Measuring Land Cover Change in Seremban, Malaysia Using NDVI Index. Procedia Environmental Sciences, 2015, 30, 238-243.	1.3	56
17	Spatiotemporal variation of groundwater quality using integrated multivariate statistical and geostatistical approaches in Amolâ€“Babol Plain, Iran. Environmental Monitoring and Assessment, 2014, 186, 5797-5815.	1.3	54
18	An integrated assessment of seawater intrusion in a small tropical island using geophysical, geochemical, and geostatistical techniques. Environmental Science and Pollution Research, 2014, 21, 7047-7064.	2.7	47

#	Article	IF	Citations
19	Urban heat evolution in a tropical area utilizing Landsat imagery. Atmospheric Research, 2016, 167, 175-182.	1.8	42
20	Hydrogeochemistry and groundwater quality assessment of the multilayered aquifer in Lower Kelantan Basin, Kelantan, Malaysia. Environmental Earth Sciences, 2018, 77, 1.	1.3	42
21	Assessment of drivers of coastal land use change in Malaysia. Ocean and Coastal Management, 2012, 67, 113-123.	2.0	36
22	Development of the models to estimate particulate matter from thermal infrared band of Landsat Enhanced Thematic Mapper. International Journal of Environmental Science and Technology, 2013, 10, 1245-1254.	1.8	35
23	Geochemometric approach to groundwater quality and health risk assessment of heavy metals of Yankari Game Reserve and its environs, Northeast Nigeria. Journal of Cleaner Production, 2022, 330, 129916.	4.6	34
24	Monitoring and assessment of urban growth patterns using spatio-temporal built-up area analysis. Environmental Monitoring and Assessment, 2018, 190, 156.	1.3	30
25	Coupling of DEM and remote-sensing-based approaches for semi-automated detection of regional geostructural features in Zagros mountain, Iran. Arabian Journal of Geosciences, 2013, 6, 91-99.	0.6	29
26	Surface water quality contamination source apportionment and physicochemical characterization at the upper section of the Jakara Basin, Nigeria. Arabian Journal of Geosciences, 2013, 6, 4903-4915.	0.6	27
27	Groundwater quality assessment using integrated geochemical methods, multivariate statistical analysis, and geostatistical technique in shallow coastal aquifer of Terengganu, Malaysia. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	27
28	Landslides and lineament mapping along the Simpang Pulai to Kg Raja highway, Malaysia. International Journal of Remote Sensing, 2011, 32, 4089-4105.	1.3	26
29	An overview of groundwater chemistry studies in Malaysia. Environmental Science and Pollution Research, 2018, 25, 7231-7249.	2.7	26
30	Spatial-temporal variation of surface water quality in the downstream region of the Jakara River, north-western Nigeria: A statistical approach. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1551-1560.	0.9	24
31	Evidence of climate variability from rainfall and temperature fluctuations in semi-arid region of the tropics. Atmospheric Research, 2019, 224, 52-64.	1.8	24
32	Artificial Neural Network Modeling of the Water Quality Index Using Land Use Areas as Predictors. Water Environment Research, 2015, 87, 99-112.	1.3	23
33	Groundwater irrigation quality mapping using geostatistical techniques in Amolâ€“Babol Plain, Iran. Arabian Journal of Geosciences, 2015, 8, 961-976.	0.6	23
34	An overview assessment of the effectiveness and global popularity of some methods used in measuring riverbank filtration. Journal of Hydrology, 2017, 550, 497-515.	2.3	22
35	Estimating solar radiation using NOAA/AVHRR and ground measurement data. Atmospheric Research, 2018, 199, 93-102.	1.8	20
36	Accuracy assessment of moderate resolution image spectroradiometer products for dust storms in semiarid environment. International Journal of Environmental Science and Technology, 2011, 8, 373-380.	1.8	19

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37	Temporal flood incidence forecasting for Segamat River (Malaysia) using autoregressive integrated moving average modelling. Journal of Flood Risk Management, 2018, 11, .	1.6	19
38	Temporal Aspects of Surface Water Quality Variation Using Robust Statistical Tools. Scientific World Journal, The, 2012, 2012, 1-9.	0.8	16
39	A Preliminary Appraisal of the Effect of Pumping on Seawater Intrusion and Upconing in a Small Tropical Island Using 2D Resistivity Technique. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	16
40	Runoff irregularities, trends, and variations in tropical semi-arid river catchment. Journal of Hydrology: Regional Studies, 2018, 19, 335-348.	1.0	16
41	Urban tree composition, diversity and structural characteristics in North-western Nigeria. Urban Forestry and Urban Greening, 2020, 48, 126512.	2.3	16
42	Hydrochemical Assessment of Surfacewater and Groundwater Quality at Bank Infiltration Site. IOP Conference Series: Materials Science and Engineering, 2016, 136, 012073.	0.3	13
43	A GIS-index integration approach to groundwater suitability zoning for irrigation purposes. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	13
44	Statistical Approach in Determining the Spatial Changes of Surface Water Quality at the Upper Course of Kano River, Nigeria. Water Quality, Exposure, and Health, 2014, 6, 127-142.	1.5	12
45	Tropical deforestation monitoring using NDVI from MODIS satellite: a case study in Pahang, Malaysia. IOP Conference Series: Earth and Environmental Science, 0, 169, 012047.	0.2	12
46	Assessments of seasonal groundwater recharge and discharge using environmental stable isotopes at Lower Muda River Basin, Malaysia. Applied Water Science, 2018, 8, 1.	2.8	11
47	Vertical hydraulic conductivity of riverbank and hyporheic zone sediment at Muda River riverbank filtration site, Malaysia. Applied Water Science, 2019, 9, 1.	2.8	10
48	Hydrochemical characteristics and identification of groundwater pollution sources in tropical savanna. Environmental Science and Pollution Research, 2022, 29, 37384-37398.	2.7	10
49	Selection criteria using the Delphi method for siting an integrated hazardous waste disposal facility in Malaysia. Journal of Environmental Planning and Management, 2013, 56, 512-530.	2.4	9
50	Lineament mapping in a tropical environment using Landsat imagery. International Journal of Remote Sensing, 2009, 30, 6277-6300.	1.3	8
51	Multi-Objective Based Approach for Groundwater Quality Monitoring Network Optimization. Water Resources Management, 2015, 29, 5141-5156.	1.9	7
52	Open source geographical resources analysis support system (GRASS) for landslide hazard assessment. Disaster Prevention and Management, 2005, 14, 522-532.	0.6	6
53	Exploring urban tree diversity and carbon stocks in Zaria Metropolis, North Western Nigeria. Applied Geography, 2021, 127, 102385.	1.7	6
54	Water Quality Assessment and Analysis of Spatial Patterns and Temporal Trends. Water Environment Research, 2013, 85, 751-767.	1.3	5

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55	Forecasting of Groundwater Level using Artificial Neural Network by incorporating river recharge and river bank infiltration. MATEC Web of Conferences, 2017, 103, 04007.	0.1	5
56	Surface water resources management along Hadejia River Basin, northwestern Nigeria. H2Open Journal, 2019, 2, 184-199.	0.8	5
57	Best band combination for landslide studies in temperate environments. International Journal of Remote Sensing, 2006, 27, 1219-1231.	1.3	4
58	Spatiotemporal Variations in Groundwater Chemistry of a Small Tropical Island Using Graphical and Geochemical Models. Procedia Environmental Sciences, 2015, 30, 358-363.	1.3	4
59	The Impact of Sociological and Environmental Factors for Dengue Infection in Kuala Lumpur, Malaysia. Acta Tropica, 2021, 216, 105834.	0.9	4
60	MONTHLY ANALYSIS OF PM10 IN AMBIENT AIR OF KLANG VALLEY, MALAYSIA. Malaysian Journal of Analytical Sciences, 2016, 20, 1159-1170.	0.2	4
61	Detection and prediction of land use change impact on the streamflow regime in Sahelian river basin, northwestern Nigeria. H2Open Journal, 2021, 4, 92-113.	0.8	3
62	Identifying Effecting Factors and Landslide Mapping of Cameron Highland Malaysia. , 2013, , .		2
63	Groundwater Yield Modeling in the Floodplain of Hadejia, Northwestern Nigeria. Hydrospatial Analysis, 2020, 4, 29-39.	0.5	2
64	The application of digital elevation model for the interpretation of Klang Valley geological structure. Disaster Prevention and Management, 2009, 18, 504-510.	0.6	1
65	An overview of climate change and variability impact studies in Nigeria. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	1
66	Temporal Patterns and Source Apportionment of Nitrate-Nitrogen Leaching in a Paddy Field at Kelantan, Malaysia. Pakistan Journal of Biological Sciences, 2013, 16, 1524-1530.	0.2	1