Faradiella Mohd Kusin

List of Publications by Year
in descending order

51	889	566801 15	525886 27
papers	citations	h-index	g-index

53	53	53	979
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distribution of heavy metals and metalloid in surface sediments of heavily-mined area for bauxite ore in Pengerang, Malaysia and associated risk assessment. Catena, 2018, 165, 454-464.	2.2	153
2	Potential ecological and human health risks of heavy metals in surface soils associated with iron ore mining in Pahang, Malaysia. Environmental Science and Pollution Research, 2016, 23, 21086-21097.	2.7	99
3	Phytoremediation Potential of Vetiver Grass (Vetiveria zizanioides) for Treatment of Metal-Contaminated Water. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	56
4	The occurrence and potential ecological risk assessment of bauxite mine-impacted water and sediments in Kuantan, Pahang,Malaysia. Environmental Science and Pollution Research, 2017, 24, 1306-1321.	2.7	40
5	Adsorption of Manganese in Aqueous Solution by Steel Slag. Procedia Environmental Sciences, 2015, 30, 145-150.	1.3	34
6	Geo-ecological evaluation of mineral, major and trace elemental composition in waste rocks, soils and sediments of a gold mining area and potential associated risks. Catena, 2019, 183, 104229.	2.2	34
7	Mineral carbonation of sedimentary mine waste for carbon sequestration and potential reutilization as cementitious material. Environmental Science and Pollution Research, 2020, 27, 12767-12780.	2.7	29
8	Comparing Heavy Metal Mobility in Active and Abandoned Mining Sites at Bestari Jaya, Selangor. Procedia Environmental Sciences, 2015, 30, 232-237.	1.3	28
9	Passive Treatment of Acid Mine Drainage Using Mixed Substrates: Batch Experiments. Procedia Environmental Sciences, 2015, 30, 157-161.	1.3	26
10	Characterization of Water Quality Conditions in the Klang River Basin, Malaysia Using Self Organizing Map and K-means Algorithm. Procedia Environmental Sciences, 2015, 30, 73-78.	1.3	26
11	The impact of nitrogen fertilizer use on greenhouse gas emissions in an oil palm plantation associated with land use change. Atmosfera, 2015, 28, 243-250.	0.3	22
12	Integrated River Basin Management: incorporating the use of abandoned mining pool and implication on water quality status. Desalination and Water Treatment, 2016, 57, 29126-29136.	1.0	20
13	Hybrid off-river augmentation system as an alternative raw water resource: the hydrogeochemistry of abandoned mining ponds. Environmental Earth Sciences, 2016, 75, 1.	1.3	20
14	Greenhouse gas emissions during plantation stage of palm oil-based biofuel production addressing different land conversion scenarios in Malaysia. Environmental Science and Pollution Research, 2017, 24, 5293-5304.	2.7	18
15	Hydraulic residence time and iron removal in a wetland receiving ferruginous mine water over a 4 year period from commissioning. Water Science and Technology, 2010, 62, 1937-1946.	1.2	15
16	Coupled physicochemical and bacterial reduction mechanisms for passive remediation of sulfate- and metal-rich acid mine drainage. International Journal of Environmental Science and Technology, 2018, 15, 2325-2336.	1.8	15
17	Effects of Depth and Land Cover on Soil Properties as Indicated by Carbon and Nitrogen-Stable Isotope Analysis. Polish Journal of Environmental Studies, 2018, 27, 1-10.	0.6	15
18	Passive bioremediation technology incorporating lignocellulosic spent mushroom compost and limestone for metal- and sulfate-rich acid mine drainage. Environmental Technology (United Kingdom), 2017, 38, 2003-2012.	1.2	14

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19	Potential of Soil, Sludge and Sediment for Mineral Carbonation Process in Selinsing Gold Mine, Malaysia. Minerals (Basel, Switzerland), 2018, 8, 257.	0.8	14
20	Role of multiple substrates (spent mushroom compost, ochre, steel slag, andÂlimestone) in passive remediation of metal-containing acid mine drainage. Environmental Technology (United Kingdom), 2019, 40, 1323-1336.	1.2	14
21	CO2 Sequestration through Mineral Carbonation: Effect of Different Parameters on Carbonation of Fe-Rich Mine Waste Materials. Processes, 2022, 10, 432.	1.3	14
22	FLOATING VETIVER ISLAND (FVI) AND IMPLICATION FOR TREATMENT SYSTEM DESIGN OF POLLUTED RUNNING WATER. Applied Ecology and Environmental Research, 2019, 17, 497-510.	0.2	12
23	Assessment of Water Quality Index and Heavy Metal Contamination in Active and Abandoned Iron Ore Mining Sites in Pahang, Malaysia. MATEC Web of Conferences, 2017, 103, 05010.	0.1	11
24	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
25	Performance of Vetiver Grass (Vetiveria zizanioides) for Phytoremediation of Contaminated Water. MATEC Web of Conferences, 2017, 103, 06003.	0.1	10
26	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
27	Heavy metal exposure from co-processing of hazardous wastes for cement production and associated human risk assessment. International Journal of Environmental Science and Technology, 2018, 15, 733-742.	1.8	9
28	Geochemical characteristic and water quality index of groundwater and surface water at Lower River Muda Basin, Malaysia. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	9
29	Geochemical and mineralogical assessment of sedimentary limestone mine waste and potential for mineral carbonation. Environmental Geochemistry and Health, 2021, 43, 2065-2080.	1.8	9
30	Impact of Nitrogen Fertilizer Application on Nitrous Oxide Emission in Oil Palm Plantation. Procedia Environmental Sciences, 2015, 30, 315-319.	1.3	8
31	Potential of Mining Waste from Metallic Mineral Industry for Carbon Sequestration. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012013.	0.3	8
32	Influencing Factors of the Mineral Carbonation Process of Iron Ore Mining Waste in Sequestering Atmospheric Carbon Dioxide. Sustainability, 2021, 13, 1866.	1.6	8
33	Extreme heat vulnerability assessment in tropical region: a case study in Malaysia. Climate and Development, 2022, 14, 472-486.	2.2	8
34	Prospect of abandoned metal mining sites from a hydrogeochemical perspective. Environmental Science and Pollution Research, 2021, 28, 2678-2695.	2.7	7
35	Nitrous oxide emission from nitrogen fertiliser application in oil palm plantation of different stages. International Journal of Global Warming, 2016, 9, 529.	0.2	6
36	Analyzing the major ions and trace elements of groundwater wells in Kuala Langat, Selangor. Malaysian Journal of Fundamental and Applied Sciences, 2021, 17, 56-61.	0.4	6

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37	Association of Physicochemical Characteristics, Aggregate Indices, Major Ions, and Trace Elements in Developing Groundwater Quality Index (GWQI) in Agricultural Area. International Journal of Environmental Research and Public Health, 2021, 18, 4562.	1.2	6
38	Characterization of Gold Mining Waste for Carbon Sequestration and Utilization as Supplementary Cementitious Material. Processes, 2021, 9, 1384.	1.3	6
39	Performance assessment of centrifuge dewatering unit using multivariate statistical approach: a case study of a centralized sludge treatment facility (CSTF) in Malacca, Malaysia. Desalination and Water Treatment, 2016, 57, 3904-3915.	1.0	5
40	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
41	Hydrogeochemical assessment of mine-impacted water and sediment of iron ore mining. IOP Conference Series: Earth and Environmental Science, 2018, 140, 012023.	0.2	5
42	Determination of Median Lethal Concentration (LC50) and Nitrite Accumulation in the Blood and Tissue of Blood Cockle (Tegillarca granosa, Linnaeus 1758). Water (Switzerland), 2020, 12, 2197.	1.2	4
43	Impact of Diuron contamination on blood cockles (Tegillarca granosa Linnaeus, 1758). Marine Pollution Bulletin, 2020, 161, 111698.	2.3	4
44	Assessing the potential use of abandoned mining pools as an alternative resource of raw water supply. Water Science and Technology: Water Supply, 2016, 16, 410-417.	1.0	4
45	Toxicity effect of Diuron on gill tissue structure and the tissue residue of blood cockles (Tegillarca) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	3
46	Incorporation of gold and limestone mining waste materials for carbon capture and storage in bricks. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022046.	0.3	2
47	EVALUATING CAPACITY BUILDING OF THE LOCAL COMMUNITY TOWARDS ENVIRONMENTAL CONSERVATION IN AN ESTUARINE COMMUNITY, KONG KONG LAUT, JOHOR. Planning Malaysia, 2019, 17, .	0.2	2
48	Knowledge, Attitude, and Practice Regarding Charcoal Consumption among Households in Sanaag Province, North-Eastern Somalia. Sustainability, 2021, 13, 2084.	1.6	1
49	Baseline distribution and sources of selected agricultural runoff in the bottom water of an active cockle farming area, Bagan Pasir, Perak, Malaysia. Marine Pollution Bulletin, 2021, 167, 112276.	2.3	1
50	Estimation of carbon stock changes incorporating agricultural land-use conversion scenarios for producing palm oil-derived biofuels in Malaysia. AIP Conference Proceedings, 2018, , .	0.3	0
51	Passive remediation of mine impacted water using selected treatment media containing-bioreactor. IOP Conference Series: Materials Science and Engineering, 2020, 736, 042028.	0.3	0