

# Faradiella Mohd Kusun

## 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.

49  
papers

558  
citations

14  
h-index

22  
g-index

53  
ext. papers

708  
ext. citations

3  
avg, IF

4.41  
L-index

#	Paper	IF	Citations
49	CO2 Sequestration through Mineral Carbonation: Effect of Different Parameters on Carbonation of Fe-Rich Mine Waste Materials. <i>Processes</i> , <b>2022</b> , 10, 432	2.9	1
48	Toxicity effect of Diuron on gill tissue structure and the tissue residue of blood cockles ( <i>Tegillarca granosa</i> ). <i>Marine Pollution Bulletin</i> , <b>2021</b> , 173, 113071	6.7	0
47	Association of Physicochemical Characteristics, Aggregate Indices, Major Ions, and Trace Elements in Developing Groundwater Quality Index (GWQI) in Agricultural Area. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	3
46	Baseline distribution and sources of selected agricultural runoff in the bottom water of an active cockle farming area, Bagan Pasir, Perak, Malaysia. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 167, 112276	6.7	0
45	Prospect of abandoned metal mining sites from a hydrogeochemical perspective. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 2678-2695	5.1	1
44	Geochemical and mineralogical assessment of sedimentary limestone mine waste and potential for mineral carbonation. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 43, 2065-2080	4.7	3
43	Influencing Factors of the Mineral Carbonation Process of Iron Ore Mining Waste in Sequestering Atmospheric Carbon Dioxide. <i>Sustainability</i> , <b>2021</b> , 13, 1866	3.6	3
42	Knowledge, Attitude, and Practice Regarding Charcoal Consumption among Households in Sanaag Province, North-Eastern Somalia. <i>Sustainability</i> , <b>2021</b> , 13, 2084	3.6	
41	Characterization of Gold Mining Waste for Carbon Sequestration and Utilization as Supplementary Cementitious Material. <i>Processes</i> , <b>2021</b> , 9, 1384	2.9	0
40	Impact of Diuron contamination on blood cockles ( <i>Tegillarca granosa</i> Linnaeus, 1758). <i>Marine Pollution Bulletin</i> , <b>2020</b> , 161, 111698	6.7	3
39	Incorporation of gold and limestone mining waste materials for carbon capture and storage in bricks. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 736, 022046	0.4	1
38	Mineral carbonation of sedimentary mine waste for carbon sequestration and potential reutilization as cementitious material. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 12767-12780	5.1	14
37	Passive remediation of mine impacted water using selected treatment media containing-bioreactor. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 736, 042028	0.4	
36	Determination of Median Lethal Concentration (LC50) and Nitrite Accumulation in the Blood and Tissue of Blood Cockle ( <i>Tegillarca granosa</i> , Linnaeus 1758). <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2197	3	3
35	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. <i>Catena</i> , <b>2019</b> , 183, 104229	5.8	17
34	Geochemical characteristic and water quality index of groundwater and surface water at Lower River Muda Basin, Malaysia. <i>Arabian Journal of Geosciences</i> , <b>2019</b> , 12, 1	1.8	5
33	FLOATING VETIVER ISLAND (FVI) AND IMPLICATION FOR TREATMENT SYSTEM DESIGN OF POLLUTED RUNNING WATER. <i>Applied Ecology and Environmental Research</i> , <b>2019</b> , 17, 497-510	1.9	5

32	Vertical hydraulic conductivity of riverbank and hyporheic zone sediment at Muda River riverbank filtration site, Malaysia. <i>Applied Water Science</i> , <b>2019</b> , 9, 1	5	5
31	Role of multiple substrates (spent mushroom compost, ochre, steel slag, and limestone) in passive remediation of metal-containing acid mine drainage. <i>Environmental Technology (United Kingdom)</i> , <b>2019</b> , 40, 1323-1336	2.6	9
30	Distribution of heavy metals and metalloid in surface sediments of heavily-mined area for bauxite ore in Pengerang, Malaysia and associated risk assessment. <i>Catena</i> , <b>2018</b> , 165, 454-464	5.8	88
29	Effects of Depth and Land Cover on Soil Properties as Indicated by Carbon and Nitrogen-Stable Isotope Analysis. <i>Polish Journal of Environmental Studies</i> , <b>2018</b> , 27, 1-10	2.3	14
28	Coupled physicochemical and bacterial reduction mechanisms for passive remediation of sulfate- and metal-rich acid mine drainage. <i>International Journal of Environmental Science and Technology</i> , <b>2018</b> , 15, 2325-2336	3.3	11
27	Heavy metal exposure from co-processing of hazardous wastes for cement production and associated human risk assessment. <i>International Journal of Environmental Science and Technology</i> , <b>2018</b> , 15, 733-742	3.3	7
26	Hydrogeochemical assessment of mine-impacted water and sediment of iron ore mining. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 140, 012023	0.3	4
25	Potential of Mining Waste from Metallic Mineral Industry for Carbon Sequestration. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 458, 012013	0.4	7
24	Potential of Soil, Sludge and Sediment for Mineral Carbonation Process in Selinsing Gold Mine, Malaysia. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 257	2.4	11
23	Assessments of seasonal groundwater recharge and discharge using environmental stable isotopes at Lower Muda River Basin, Malaysia. <i>Applied Water Science</i> , <b>2018</b> , 8, 1	5	7
22	Forecasting of Groundwater Level using Artificial Neural Network by incorporating river recharge and river bank infiltration. <i>MATEC Web of Conferences</i> , <b>2017</b> , 103, 04007	0.3	4
21	Performance of Vetiver Grass ( <i>Vetiveria zizanioides</i> ) for Phytoremediation of Contaminated Water. <i>MATEC Web of Conferences</i> , <b>2017</b> , 103, 06003	0.3	7
20	Passive bioremediation technology incorporating lignocellulosic spent mushroom compost and limestone for metal- and sulfate-rich acid mine drainage. <i>Environmental Technology (United Kingdom)</i> , <b>2017</b> , 38, 2003-2012	2.6	8
19	Phytoremediation Potential of Vetiver Grass ( <i>Vetiveria zizanioides</i> ) for Treatment of Metal-Contaminated Water. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1	2.6	36
18	Greenhouse gas emissions during plantation stage of palm oil-based biofuel production addressing different land conversion scenarios in Malaysia. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 5293-5304	5.1	10
17	Assessment of Water Quality Index and Heavy Metal Contamination in Active and Abandoned Iron Ore Mining Sites in Pahang, Malaysia. <i>MATEC Web of Conferences</i> , <b>2017</b> , 103, 05010	0.3	7
16	The occurrence and potential ecological risk assessment of bauxite mine-impacted water and sediments in Kuantan, Pahang, Malaysia. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 1306-1321	5.1	27
15	Performance assessment of centrifuge dewatering unit using multivariate statistical approach: a case study of a centralized sludge treatment facility (CSTF) in Malacca, Malaysia. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 3904-3915		5

14	Potential ecological and human health risks of heavy metals in surface soils associated with iron ore mining in Pahang, Malaysia. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 21086-21097	5.1	65
13	Hybrid off-river augmentation system as an alternative raw water resource: the hydrogeochemistry of abandoned mining ponds. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	18
12	Assessing the potential use of abandoned mining pools as an alternative resource of raw water supply. <i>Water Science and Technology: Water Supply</i> , <b>2016</b> , 16, 410-417	1.4	3
11	Nitrous oxide emission from nitrogen fertiliser application in oil palm plantation of different stages. <i>International Journal of Global Warming</i> , <b>2016</b> , 9, 529	0.6	4
10	Integrated River Basin Management: incorporating the use of abandoned mining pool and implication on water quality status. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 29126-29136		15
9	Impact of Nitrogen Fertilizer Application on Nitrous Oxide Emission in Oil Palm Plantation. <i>Procedia Environmental Sciences</i> , <b>2015</b> , 30, 315-319		2
8	Adsorption of Manganese in Aqueous Solution by Steel Slag. <i>Procedia Environmental Sciences</i> , <b>2015</b> , 30, 145-150		24
7	Passive Treatment of Acid Mine Drainage Using Mixed Substrates: Batch Experiments. <i>Procedia Environmental Sciences</i> , <b>2015</b> , 30, 157-161		23
6	Characterization of Water Quality Conditions in the Klang River Basin, Malaysia Using Self Organizing Map and K-means Algorithm. <i>Procedia Environmental Sciences</i> , <b>2015</b> , 30, 73-78		18
5	The impact of nitrogen fertilizer use on greenhouse gas emissions in an oil palm plantation associated with land use change. <i>Atmosfera</i> , <b>2015</b> , 28, 243-250	2.5	15
4	Comparing Heavy Metal Mobility in Active and Abandoned Mining Sites at Bestari Jaya, Selangor. <i>Procedia Environmental Sciences</i> , <b>2015</b> , 30, 232-237		25
3	Anoxic Limestone Drain for Treatment of Highly Acidic Water <b>2014</b> , 369-373		3
2	Hydraulic residence time and iron removal in a wetland receiving ferruginous mine water over a 4 year period from commissioning. <i>Water Science and Technology</i> , <b>2010</b> , 62, 1937-46	2.2	15
1	Extreme heat vulnerability assessment in tropical region: a case study in Malaysia. <i>Climate and Development</i> , 1-15	4.4	1