Ismail Yusoff

List of Publications by Year
in descending order

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83 papers	1,912 citations	236612 25 h-index	301761 39 g-index
85 all docs	85 docs citations	85 times ranked	2522 citing authors

#	Article	IF	Citations
1	Heavy metals accumulation in plants growing in ex tin mining catchment. International Journal of Environmental Science and Technology, 2011, 8, 401-416.	1.8	145
2	Assessment of groundwater salinity and quality in Gaza coastal aquifer, Gaza Strip, Palestine: An integrated statistical, geostatistical and hydrogeochemical approaches study. Science of the Total Environment, 2018, 615, 972-989.	3.9	114
3	Reviews of the toxicity behavior of five potential engineered nanomaterials (ENMs) into the aquatic ecosystem. Toxicology Reports, 2017, 4, 211-220.	1.6	75
4	Synthesis, spectroscopic and chromatographic studies of sunflower oil biodiesel using optimized base catalyzed methanolysis. Saudi Journal of Biological Sciences, 2015, 22, 332-339.	1.8	71
5	Toxicity evaluation of ZnO and TiO2 nanomaterials in hydroponic red bean (Vigna angularis) plant: Physiology, biochemistry and kinetic transport. Journal of Environmental Sciences, 2018, 72, 140-152.	3.2	65
6	Cesium-137: Radio-Chemistry, Fate, and Transport, Remediation, and Future Concerns. Critical Reviews in Environmental Science and Technology, 2014, 44, 1740-1793.	6.6	63
7	Chemical Speciation and Potential Mobility of Heavy Metals in the Soil of Former Tin Mining Catchment. Scientific World Journal, The, 2012, 2012, 1-11.	0.8	59
8	Electrokinetic Migration of Permanganate Through Lowâ€Permeability Media. Ground Water, 2008, 46, 629-637.	0.7	49
9	Removal of acid yellow-17 dye from aqueous solution using eco-friendly biosorbent. Desalination and Water Treatment, 2013, 51, 4530-4545.	1.0	46
10	Fluoride adsorption by doped and un-doped magnetic ferrites CuCe Fe2-O4: Preparation, characterization, optimization and modeling for effectual remediation technologies. Journal of Hazardous Materials, 2015, 299, 316-324.	6.5	43
11	Land use changes and soil redistribution estimation using 137Cs in the tropical Bera Lake catchment, Malaysia. Soil and Tillage Research, 2013, 131, 1-10.	2.6	42
12	Application of the Artificial Neural Network and Neuroâ€fuzzy System for Assessment of Groundwater Quality. Clean - Soil, Air, Water, 2015, 43, 551-560.	0.7	42
13	Immobilization of Pb, Cd, and Zn in a contaminated soil using eggshell and banana stem amendments: metal leachability and a sequential extraction study. Environmental Science and Pollution Research, 2015, 22, 223-230.	2.7	41
14	Study of contaminant transport at an open-tipping waste disposal site. Environmental Science and Pollution Research, 2013, 20, 4689-4710.	2.7	39
15	Soil Contamination, Risk Assessment and Remediation. , 0, , .		39
16	Deterioration of groundwater quality in the vicinity of an active open-tipping site in West Malaysia. Hydrogeology Journal, 2010, 18, 997-1006.	0.9	35
17	Removal of Cd(II) onto Raphanus sativus peels biomass: equilibrium, kinetics, and thermodynamics. Desalination and Water Treatment, 2013, 51, 4402-4412.	1.0	34
18	Arsenic, Zinc, and Aluminium Removal from Gold Mine Wastewater Effluents and Accumulation by Submerged Aquatic Plants (Cabomba piauhyensis,Egeria densa, andHydrilla) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 T	0.9	34

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19	Simulation of groundwater level through artificial intelligence system. Environmental Earth Sciences, 2015, 73, 8357-8367.	1.3	33
20	Comparison of a plant based natural surfactant with SDS for washing of As(V) from Fe rich soil. Journal of Environmental Sciences, 2013, 25, 2247-2256.	3.2	32
21	Heavy Metal Contamination of Soil Beneath a Waste Disposal Site at Dengkil, Selangor, Malaysia. Soil and Sediment Contamination, 2008, 17, 449-466.	1.1	31
22	Synthetic polymer composite membrane for the desalination of saline water. Desalination and Water Treatment, 2013, 51, 3650-3661.	1.0	31
23	A study on the impact of anthropogenic and geogenic factors on groundwater salinization and seawater intrusion in Gaza coastal aquifer, Palestine: An integrated multi-techniques approach. Journal of African Earth Sciences, 2019, 156, 75-93.	0.9	31
24	Ionic liquid as a medium to remove iron and other metal ions: a case study of the North Kelantan Aquifer, Malaysia. Environmental Earth Sciences, 2014, 71, 2105-2113.	1.3	29
25	Integrated geoelectrical resistivity, hydrochemical and soil property analysis methods to study shallow groundwater in the agriculture area, Machang, Malaysia. Environmental Earth Sciences, 2012, 65, 699-712.	1.3	27
26	Ultrastructural effects on gill tissues induced in red tilapia Oreochromis sp. by a waterborne lead exposure. Saudi Journal of Biological Sciences, 2016, 23, 634-641.	1.8	27
27	Assessment of pollutants migration at Ampar Tenang landfill site, Selangor, Malaysia. ScienceAsia, 2013, 39, 392.	0.2	26
28	Structural, morphological and magnetic investigations of CuCe 0.2 Fe 1.8 O 4 graphene-supported nanocomposites. Ceramics International, 2016, 42, 1399-1407.	2.3	25
29	Low cost biosorbent banana peel (Musa sapientum) for the removal of heavy metals. Scientific Research and Essays, 2011, 6, 4055-4064.	0.1	25
30	New method for the adsorption of organic pollutants using natural zeolite incinerator ash (ZIA) and its application as an environmentally friendly and cost-effective adsorbent. Desalination and Water Treatment, 2016, 57, 6230-6238.	1.0	24
31	Geochemical characteristics of rare earth elements in different types of soil: A chemometric approach. Chemosphere, 2017, 184, 673-678.	4.2	24
32	A novel method for fabricating Fe2+ ion selective sensor using polypyrrole and sodium dodecyl sulfate based on carbon screen-printed electrode. Measurement: Journal of the International Measurement Confederation, 2015, 69, 115-125.	2.5	23
33	Study of mango biomass (Mangifera indica L) as a cationic biosorbent. International Journal of Environmental Science and Technology, 2010, 7, 581-590.	1.8	22
34	Cumulative impacts of dissolved ionic metals on the chemical characteristics of river water affected by alkaline mine drainage from the Kuala Lipis gold mine, Pahang, Malaysia. Chemistry and Ecology, 2015, 31, 22-33.	0.6	22
35	Assessing anthropogenic levels, speciation, and potential mobility of rare earth elements (REEs) in ex-tin mining area. Environmental Science and Pollution Research, 2016, 23, 25039-25055.	2.7	22
36	Integrated geoelectrical resistivity and hydrogeochemical methods for delineating and mapping heavy metal zone in aquifer system. Environmental Earth Sciences, 2018, 77, 1.	1.3	22

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37	Historical variations of Bera Lake (Malaysia) sediments geochemistry using radioisotopes and sediment quality indices. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 1715-1730.	0.7	20
38	Multivariate statistical analysis for identifying water quality and hydrogeochemical evolution of shallow groundwater in Quaternary deposits in the Lower Kelantan River Basin, Malaysian Peninsula. Environmental Earth Sciences, 2016, 75, 1.	1.3	20
39	Effects of agricultural projects on nutrient levels in Lake Bera (Tasek Bera), Peninsular Malaysia. Agriculture, Ecosystems and Environment, 2013, 165, 19-27.	2.5	19
40	Comparison of water table fluctuation and chloride mass balance methods for recharge estimation in a tropical rainforest climate: a case study from Kelantan River catchment, Malaysia. Environmental Earth Sciences, 2015, 73, 4419-4428.	1.3	19
41	Arsenic Adsorption Using Palm Oil Waste Clinker Sand Biotechnology: an Experimental and Optimization Approach. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	19
42	Speciation of heavy metals in the surface waters of a former tin mining catchment. Chemical Speciation and Bioavailability, 2012, 24, 1-12.	2.0	17
43	Application of <scp>MIKE SHE</scp> modelling system to set up a detailed water balance computation. Water and Environment Journal, 2012, 26, 490-503.	1.0	17
44	Morphology, Geology and Water Quality Assessment of Former Tin Mining Catchment. Scientific World Journal, The, 2012, 2012, 1-15.	0.8	16
45	Time lapse chemical fertilizer monitoring in agriculture sandy soil. International Journal of Environmental Science and Technology, 2011, 8, 765-780.	1.8	14
46	Sedimentation rates in Bera Lake (Peninsular Malaysia) using 210Pb and 137Cs radioisotopes. Geosciences Journal, 2013, 17, 211-220.	0.6	14
47	Study of chemical forms of heavy metals collected from the sediments of tin mining catchment. Chemical Speciation and Bioavailability, 2012, 24, 183-196.	2.0	13
48	Removal of Lead from Synthetic Solutions by Protonated Teleosts Biomass. E-Journal of Chemistry, 2012, 9, 345-353.	0.4	13
49	Simulation of horizontal well performance using Visual MODFLOW. Environmental Earth Sciences, 2013, 68, 1119-1126.	1.3	13
50	Tracing subsurface migration of contaminants from an abandoned municipal landfill. Environmental Earth Sciences, 2011, 63, 1043-1055.	1.3	12
51	Comparison of Applications to Evaluate Groundwater Recharge at Lower Kelantan River Basin, Malaysia. Geosciences (Switzerland), 2020, 10, 289.	1.0	12
52	Water Quality Characterization of Varsity Lake, University of Malaya, Kuala Lumpur, Malaysia. E-Journal of Chemistry, 2010, 7, S245-S254.	0.4	10
53	An Evaluation of Bera Lake (Malaysia) Sediment Contamination Using Sediment Quality Guidelines. Journal of Chemistry, 2013, 2013, 1-13.	0.9	10
54	The economic potential of the African iron-ore tailings: synthesis of magnetite for the removal of trace metals in groundwaterâ€"a review. Environmental Earth Sciences, 2019, 78, 1.	1.3	10

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55	Groundwater quality assessment of a freshwater wetland in the Selangor (Malaysia) using electrical resistivity and chemical analysis. Water Science and Technology: Water Supply, 2014, 14, 255-264.	1.0	9
56	Trace metals geochemistry for health assessment coupled with adsorption remediation method for the groundwater of Lorong Serai 4, Hulu Langat, west coast of Peninsular Malaysia. Environmental Geochemistry and Health, 2020, 42, 3079-3099.	1.8	9
57	Chemical constituents of Cenchrus ciliaris L. from the Cholistan desert, Pakistan. Archives of Biological Sciences, 2013, 65, 1473-1478.	0.2	9
58	Geochemical study of volcanic and associated granitic rocks from Endau Rompin, Johor, Peninsular Malaysia. Journal of Earth System Science, 2013, 122, 65-78.	0.6	8
59	Estimating recharge based on long-term groundwater table fluctuation monitoring in a shallow aquifer of Malaysian tropical rainforest catchment. Environmental Earth Sciences, 2015, 74, 4577-4587.	1.3	8
60	Integrated geoelectrical and hydrogeochemical investigation for mapping the aquifer at Langat Basin, Malaysia. Environmental Earth Sciences, 2016, 75, 1.	1.3	8
61	An integrated multi-techniques approach for hydrogeochemical evaluation of ion exchange processes and identification of water types based on statistical analysis: Application to the Gaza coastal aquifer, Gaza Strip, Palestine. Groundwater for Sustainable Development, 2019, 9, 100227.	2.3	8
62	Application of Taguchi method for the optimization of Fe²⁺ removal from contaminated synthetic groundwater using a rotating packed bed contactor. Water and Environment Journal, 2020, 34, 57-65.	1.0	8
63	Implementing Digital Edge Enhancers on Improved High-Resolution Aeromagnetic Signals for Structural-Depth Analysis around the Middle Benue Trough, Nigeria. Minerals (Basel, Switzerland), 2021, 11, 1247.	0.8	8
64	CuYb0Â·5Fe1.5O4 nanoferrite adsorbent structural, morphological and functionalization characteristics for multiple pollutant removal by response surface methodology. Journal of Molecular Liquids, 2016, 224, 1256-1265.	2.3	6
65	Geothermal energy assessment through the Curie point depth, geothermal gradient, and heat flow around the Akiri hot spring region in Central Nigeria. Environmental Earth Sciences, 2022, 81, 1.	1.3	6
66	Study of biosorptive potential in the peel of Citrus reticulata, Punica granatum, Daucus carota and Momordica charantia. African Journal of Biotechnology, 2011, 10, .	0.3	5
67	Natural sources of iron and manganese in groundwater of the lower Kelantan River Basin, North-eastern coast of Peninsula Malaysia: water quality assessment and an adsorption-based method for remediation. Environmental Earth Sciences, 2021, 80, 1.	1.3	5
68	Characterization of Triphenylamino-Based Polymethine Dyes. Journal of Chemistry, 2013, 2013, 1-5.	0.9	4
69	Estimating groundwater recharge based on mass balance evaluation of unsaturated zone in a coastal catchment characterized by tropical rainforest weather conditions. Environmental Earth Sciences, 2016, 75, 1.	1.3	4
70	Study of Antioxidant Potential of Tropical Fruit. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2011, , 53-57.	0.2	4
71	Heavy metals accumulation and tolerance in plants growing on ex-mining area, Bestari Jaya, Kuala Selangor, Peninsular Malaysia. , 2010, , .		3
72	Developmental Design of Anaerobic Wetland System for Mining Waste Water Treatment. American Journal of Environmental Sciences, 2011, 7, 383-396.	0.3	3

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73	Electrical resistivity imaging and hydrochemical analysis for groundwater investigation in Kuala Langat, Malaysia. Hydrological Sciences Journal, 2016, 61, 751-762.	1.2	3
74	Intercationic effect on biosorbent efficacy. Desalination and Water Treatment, 2014, 52, 1504-1513.	1.0	2
75	Multivariate Analysis on Heavy Metals Distribution in Tropical Reservoir. Research Journal of Applied Sciences, Engineering and Technology, 2015, 9, 916-921.	0.1	2
76	Development of effective sequence multi-barrier reactive media for nitrate remediation in groundwater systems. RSC Advances, 2019, 9, 15437-15447.	1.7	2
77	Simulation of integrated surface-water/groundwater flow for a freshwater wetland in Selangor State, Malaysia. Bulletin of the Geological Society of Malaysia, 2009, 55, 95-100.	0.2	2
78	Carbon source screening for nitrate remediation in permeable recative barrier: Ion chromatography technique. Malaysian Journal of Fundamental and Applied Sciences, 2017, 13, 732-736.	0.4	2
79	Physical, geochemical, and clay mineralogical properties of unstable soil slopes in the Cameron Highlands. Open Geosciences, 2021, 13, 880-894.	0.6	1
80	An integrated toolkit using multiple methods for determining the potential sources of iron and manganese in groundwater: a case study from the lower Kelantan River Basin, Malaysia. Environmental Earth Sciences, 2021, 80, 1.	1.3	1
81	Effects of Groundwater Withdrawal on the Interaction of Ex-Mining Pond, River, and Aquifer. Applied Mechanics and Materials, 0, 567, 38-43.	0.2	0
82	Reply to comments on â€œCuYb 0.5 Fe 1.5 O 4 nanoferrite adsorbent structural, morphological and functionalization characteristics for multiple pollutant removal by response surface methodologyâ€• Journal of Molecular Liquids, 2017, 247, 34.	2.3	0
83	Groundwater modelling of the Chepstow Block, South Wales, UK. Bulletin of the Geological Society of Malaysia, 2008, 54, 37-45.	0.2	0