Gasim Hayder

List of Publications by Year
in descending order

49 papers	676 citations	623734 14 h-index	580821 25 g-index
52 all docs	52 docs citations	52 times ranked	491 citing authors

#	Article	IF	Citations
1	Recent studies on applications of aquatic weed plants in phytoremediation of wastewater: A review article. Ain Shams Engineering Journal, 2021, 12, 355-365.	6.1	129
2	A Systematic Literature Review on Waste-to-Resource Potential of Palm Oil Clinker for Sustainable Engineering and Environmental Applications. Materials, 2021, 14, 4456.	2.9	53
3	Sustainable use of natural and chemical coagulants for contaminants removal from palm oil mill effluent: A comparative analysis. Ain Shams Engineering Journal, 2020, 11, 951-960.	6.1	44
4	Sugarcane Bagasse as a Co-Substrate with Oil-Refinery Biological Sludge for Biogas Production Using Batch Mesophilic Anaerobic Co-Digestion Technology: Effect of Carbon/Nitrogen Ratio. Water (Switzerland), 2021, 13, 590.	2.7	44
5	Evaluation of green roof performances for urban stormwater quantity and quality controls. International Journal of River Basin Management, 2016, 14, 1-7.	2.7	40
6	Degradation of Cd, Cu, Fe, Mn, Pb and Zn by Moringa-oleifera, zeolite, ferric-chloride, chitosan and alum in an industrial effluent. Ain Shams Engineering Journal, 2021, 12, 57-64.	6.1	39
7	Customer relationship management systems (CRMS) in the healthcare environment: A systematic literature review. Computer Standards and Interfaces, 2020, 71, 103442.	5.4	38
8	Water quality hazard assessment for hand dug wells in Rafin Zurfi, Bauchi State, Nigeria. Ain Shams Engineering Journal, 2020, 11, 983-999.	6.1	37
9	Investigation on the Potential to Integrate Different Artificial Intelligence Models with Metaheuristic Algorithms for Improving River Suspended Sediment Predictions. Applied Sciences (Switzerland), 2019, 9, 4149.	2.5	24
10	Development of a Novel Hybrid Optimization Algorithm for Minimizing Irrigation Deficiencies. Sustainability, 2019, 11, 2337.	3.2	23
11	Application of Moving Bed Biofilm Reactor (MBBR) and Integrated Fixed Activated Sludge (IFAS) for Biological River Water Purification System: A Short Review. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012005.	0.3	20
12	Prediction model development for petroleum refinery wastewater treatment. Journal of Water Process Engineering, 2014, 4, 1-5.	5.6	19
13	Modelling of River Flow Using Particle Swarm Optimized Cascade-Forward Neural Networks: A Case Study of Kelantan River in Malaysia. Applied Sciences (Switzerland), 2020, 10, 8670.	2.5	17
14	Applications of IoT and Artificial Intelligence in Water Quality Monitoring and Prediction: A Review. , 2021, , .		16
15	Implementation of Machine Learning Methods for Monitoring and Predicting Water Quality Parameters. Biointerface Research in Applied Chemistry, 2020, 11, 9285-9295.	1.0	15
16	Cultivation of S. molesta plants for phytoremediation of secondary treated domestic wastewater. Ain Shams Engineering Journal, 2021, 12, 2585-2592.	6.1	13
17	Experimental Comparison between Moving Bed Biofilm Reactor (MBBR) and Conventional Activated Sludge (CAS) for River Purification Treatment Plant. Advanced Materials Research, 0, 1113, 806-811.	0.3	10
18	Water Quality Predictive Analytics Using an Artificial Neural Network with a Graphical User Interface. Water (Switzerland), 2022, 14, 1221.	2.7	10

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19	Performance of Pistia stratiotes, Salvinia molesta, and Eichhornia crassipes Aquatic Plants in the Tertiary Treatment of Domestic Wastewater with Varying Retention Times. Applied Sciences (Switzerland), 2020, 10, 9105.	2.5	9
20	Multi-step-ahead prediction of river flow using NARX neural networks and deep learning LSTM. H2Open Journal, 2022, 5, 43-60.	1.7	9
21	Performance of Salvinia molesta plants in tertiary treatment of domestic wastewater. Heliyon, 2021, 7, e06040.	3.2	8
22	Predicting Water Quality Parameters in a Complex River System. Journal of Ecological Engineering, 2021, 22, 250-257.	1.1	7
23	A Performance Comparison of Various Artificial Intelligence Approaches for Estimation of Sediment of River Systems. Journal of Ecological Engineering, 2021, 22, 20-27.	1.1	7
24	Microalgae: A Renewable Source for Wastewater Treatment and Feedstock Supply for Biofuel Generation. Biointerface Research in Applied Chemistry, 2020, 11, 7431-7444.	1.0	7
25	The Importance of Lightweight Concrete Technology Development for IBS Industry in Malaysia Based on Cost Comparison between Concrete Slab and Hollow Core Slab: A Case Study of LRT Car Park Project. Applied Mechanics and Materials, 0, 567, 637-641.	0.2	5
26	Evaluation of water lettuce, giant salvinia and water hyacinth systems in phytoremediation of domestic wastewater. H2Open Journal, 2021, 4, 167-181.	1.7	5
27	Circular Economy Framework for Energy Recovery in Phytoremediation of Domestic Wastewater. Energies, 2022, 15, 3075.	3.1	5
28	Developing an Assessment Tool for Sustainable and Green Project Management. Water Resources Development and Management, 2020, , 643-652.	0.4	3
29	Biological treatability study for refinery wastewater using bench scale sequencing batch reactor systems. , 2011, , .		3
30	Treatment of Petroleum Refinery Wastewater Using Extended Aeration Activated Sludge. International Journal of Engineering Research in Africa, 2014, 13, 1-7.	0.7	2
31	Comparison of various types of biomedia in river water treatment using attached growth activated sludge process. International Journal of River Basin Management, 2016, 14, 177-182.	2.7	2
32	Applications of constructed wetlands and hydroponic systems in phytoremediation of wastewater. IOP Conference Series: Earth and Environmental Science, 2021, 708, 012087.	0.3	2
33	Performance and Reduction of Carbon Footprint for a Sustainable Campus. International Journal of Engineering and Advanced Technology, 2019, 9, 3489-3493.	0.3	2
34	Evaluation of Different Biomedia Performance for River Purification: Preliminary Stage. Applied Mechanics and Materials, 2015, 773-774, 1365-1369.	0.2	1
35	Nuclear Power Acceptance Among University Staffs and Students. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012035.	0.3	1
36	Water Quality Assessment Klang River Water Treatment Plants. International Journal of Engineering and Technology(UAE), 2018, 7, 639.	0.3	1

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37	Operational Noise Assessment in an Open Cycle Power Plant: Study on the Existing Acoustical Performance.. International Journal of Engineering and Technology(UAE), 2018, 7, 11.	0.3	1
38	The modelling of an anoxic-aerobic biological reactor. , 2014, , .		1
39	Climate Change Impact Assessment to the Proposed Coal Fired Power Plant Project at East Coast of Peninsular Malaysia. International Journal of Engineering and Technology(UAE), 2018, 7, 538.	0.3	1
40	Sustainable waste management of bottom ash as cement replacement in green building. , 2016, , 517-519.		0
41	Treatment of Domestic Wastewater with Fixed Bed Biofilm Reactor. International Journal of Engineering and Technology(UAE), 2018, 7, 22.	0.3	0
42	Effectiveness of Phytoremediation Treatment of Pre-Treated Domestic Wastewater. Ecological Engineering and Environmental Technology, 2021, 22, 124-134.	0.7	0
43	Implementation of attached growth system in Malaysia: An overview. , 2016, , 235-239.		0
44	The awareness of green building ratings among university students. , 2016, , 183-186.		0
45	Implementation of attached growth system in Malaysia: An overview. , 2016, , 235-239.		0
46	An Investigation of Attached Biomass on Bio-Media using Scanning Electron Microscopy. International Journal of Engineering and Technology(UAE), 2018, 7, 509.	0.3	0
47	Assessment of Stormwater Runoff Quality in Various Location in University Campus. Water Resources Development and Management, 2020, , 398-407.	0.4	0
48	The Effect of Acid Treatment on Diatomite and Its Application in Treating Semenyih and Langat River Water. Water Resources Development and Management, 2020, , 341-348.	0.4	0
49	Potential Evapotranspiration Estimation Methods for Water Balance Analysis Using SWAT: A Case Study of Kelantan River Basin, Kelantan. Water Resources Development and Management, 2020, , 90-102.	0.4	0