

Mohamed A Hamouda

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

840
citations

687220

13
h-index

501076

28
g-index

45
all docs

45
docs citations

45
times ranked

1019
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible and irreversible low-pressure membrane foulants in drinking water treatment: Identification by principal component analysis of fluorescence EEM and mitigation by biofiltration pretreatment. <i>Water Research</i> , 2011, 45, 5161-5170.	5.3	132
2	Vulnerability Assessment of Water Resources Systems in the Eastern Nile Basin. <i>Water Resources Management</i> , 2009, 23, 2697-2725.	1.9	123
3	Wastewater surveillance for SARS-CoV-2: Lessons learnt from recent studies to define future applications. <i>Science of the Total Environment</i> , 2021, 759, 143493.	3.9	84
4	Decision support systems in water and wastewater treatment process selection and design: a review. <i>Water Science and Technology</i> , 2009, 60, 1757-1770.	1.2	64
5	A critical review of the recent developments in micro-“nano bubbles applications for domestic and industrial wastewater treatment. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 6591-6612.	3.4	55
6	Uncertainty quantification of granular computing-neural network model for prediction of pollutant longitudinal dispersion coefficient in aquatic streams. <i>Scientific Reports</i> , 2022, 12, 4610.	1.6	54
7	Spatiotemporal evaluation of the GPM satellite precipitation products over the United Arab Emirates. <i>Atmospheric Research</i> , 2019, 219, 200-212.	1.8	49
8	Impact of Topography and Rainfall Intensity on the Accuracy of IMERG Precipitation Estimates in an Arid Region. <i>Remote Sensing</i> , 2021, 13, 13.	1.8	34
9	Steady-state modeling and evaluation of partial nitrification-anammox (PNA) for moving bed biofilm reactor and integrated fixed-film activated sludge processes treating municipal wastewater. <i>Journal of Water Process Engineering</i> , 2019, 31, 100854.	2.6	31
10	Water Policy Networks in Egypt and Ethiopia. <i>Journal of Environment and Development</i> , 2008, 17, 238-268.	1.6	20
11	Essential components of institutional and social indicators in assessing the sustainability and resilience of urban water systems: Challenges and opportunities. <i>Science of the Total Environment</i> , 2020, 708, 135159.	3.9	20
12	Hydrologic utility of satellite precipitation products in flood prediction: A meta-data analysis and lessons learnt. <i>Journal of Hydrology</i> , 2022, 612, 128103.	2.3	17
13	Meta-Analysis in Using Satellite Precipitation Products for Drought Monitoring: Lessons Learnt and Way Forward. <i>Remote Sensing</i> , 2021, 13, 4353.	1.8	15
14	Health Risk Assessment of Household Drinking Water in a District in the UAE. <i>Water (Switzerland)</i> , 2018, 10, 1726.	1.2	14
15	Optimization of Pervious Geopolymer Concrete Using TOPSIS-Based Taguchi Method. <i>Sustainability</i> , 2022, 14, 8767.	1.6	13
16	Quantitative microbial risk assessment and its applications in small water systems: A review. <i>Science of the Total Environment</i> , 2018, 645, 993-1002.	3.9	12
17	Use of Nanoparticles for the Disinfection of Desalinated Water. <i>Water (Switzerland)</i> , 2019, 11, 559.	1.2	12
18	Scenario-based quantitative microbial risk assessment to evaluate the robustness of a drinking water treatment plant. <i>Water Quality Research Journal of Canada</i> , 2016, 51, 81-96.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Meta-Analysis of the Performance of Pervious Concrete with Cement and Aggregate Replacements. Buildings, 2022, 12, 461.	1.4	11
20	Employing multi-criteria decision analysis to select sustainable point-of-use and point-of-entry water treatment systems. Water Science and Technology: Water Supply, 2012, 12, 637-647.	1.0	7
21	Performance of the IMERG Precipitation Products over High-latitudes Region of Finland. Remote Sensing, 2021, 13, 2073.	1.8	7
22	Biological treatment of produced water: A comprehensive review and metadata analysis. Journal of Petroleum Science and Engineering, 2022, 209, 109914.	2.1	7
23	A framework for selecting POU/POE systems. Journal - American Water Works Association, 2010, 102, 42-56.	0.2	6
24	Prediction of capital cost of ro based desalination plants using machine learning approach. E3S Web of Conferences, 2020, 158, 06001.	0.2	6
25	Impact of Dataset Size on the Signature-Based Calibration of a Hydrological Model. Water (Switzerland), 2021, 13, 970.	1.2	5
26	How China's Fengyun satellite precipitation product compares with other mainstream satellite precipitation products. Journal of Hydrometeorology, 2022, , .	0.7	4
27	Student perceptions of emergency remote civil engineering pedagogy. , 2021, , .		3
28	Curriculum-based exit exam for assessment of student learning. European Journal of Engineering Education, 2021, 46, 849-873.	1.5	3
29	Experimental Investigations and CFD Modeling of Contaminant Intrusion in a Water Network during Transient Events. Water (Switzerland), 2019, 11, 1425.	1.2	2
30	Use of a Physical Water Pipe Network Competition in Applied Civil Engineering Students' Learning. , 2019, , .		2
31	Mechanistic Study of Pb ²⁺ Removal from Aqueous Solutions Using Eggshells. Water (Switzerland), 2020, 12, 2517.	1.2	2
32	Decision support system to select sustainable point-of-use/point-of-entry treatment systems (D4SPOUTS). Water Quality Research Journal of Canada, 2014, 49, 104-113.	1.2	1
33	Temporal assessment of the GPM satellite rainfall products across extremely arid regions. E3S Web of Conferences, 2020, 167, 02001.	0.2	1
34	Student Perceptions of Curriculum-Based Exit Exams in Civil Engineering Education. , 2021, , .		1
35	Children's Exposure to Lead from Tap Water in Child Care Centers and Estimation of Blood Lead Levels. Exposure and Health, 0, , .	2.8	1
36	Optimal Operation of Power System Integrated with Reverse Osmosis Water Desalination. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	AN INVESTIGATION OF GREYWATER ONSITE REUSE POTENTIAL IN AN ARID ENVIRONMENT. Proceedings of International Structural Engineering and Construction, 2021, 8, .	0.1	0
38	A Framework for the Investigation of Biowaste Materials as Potential Adsorbents for Water Treatment. , 0, , .		0
39	RE: IMERG Version. , 0, , .		0
40	RE: Addition to research background. , 0, , .		0