Abdallah M Shanableh

List of Publications by Year
in descending order

125 papers	2,536 citations	218381 26 h-index	243296 44 g-index
125 all docs	125 docs citations	125 times ranked	2154 citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on advanced thermochemical processes for bio-hydrogen production via microwave and plasma technologies. Biomass Conversion and Biorefinery, 2023, 13, 8593-8602.	2.9	17
2	Improved test method for determination of the equiviscous temperature of asphalt binders. International Journal of Pavement Engineering, 2022, 23, 4561-4573.	2.2	1
3	Waste to energy spatial suitability analysis using hybrid multi-criteria machine learning approach. Environmental Science and Pollution Research, 2022, 29, 2613-2628.	2.7	21
4	Spatial earthquake vulnerability assessment by using multi-criteria decision making and probabilistic neural network techniques in Odisha, India. Geocarto International, 2022, 37, 8080-8099.	1.7	6
5	Review of the Superpave performance grading system and recent developments in the performance-based test methods for asphalt binder characterization. Construction and Building Materials, 2022, 319, 126063.	3.2	24
6	Synthesis of Porous BPPO-Based Anion Exchange Membranes for Acid Recovery via Diffusion Dialysis. Membranes, 2022, 12, 95.	1.4	13
7	Co-pyrolysis for bio-oil production via fixed bed reactor using date seeds and plastic waste as biomass. Case Studies in Thermal Engineering, 2022, 31, 101841.	2.8	21
8	Challenges and Opportunities of Multi-Disciplinary, Inter-Disciplinary and Trans-Disciplinary Research. , 2022, , 311-325.		2
9	COVID-19 Lockdown and the Impact on Mobility, Air Quality, and Utility Consumption: A Case Study from Sharjah, United Arab Emirates. Sustainability, 2022, 14, 1767.	1.6	10
10	SPEEK and SPPO Blended Membranes for Proton Exchange Membrane Fuel Cells. Membranes, 2022, 12, 263.	1.4	20
11	Impact of Urbanisation on Surface Temperature using Satellite and Ground Observations. , 2022, , .		0
12	Effect of COVID-19 Lockdown on Traffic-related Air Pollution in Florida, USA. , 2022, , .		0
13	Evaluation of test methods for measurement of zero shear viscosity (ZSV) of asphalt binders. Construction and Building Materials, 2022, 325, 126794.	3.2	18
14	Phenolic Contents and Antioxidant Activity of Citrullus colocynthis Fruits, Growing in the Hot Arid Desert of the UAE, Influenced by the Fruit Parts, Accessions, and Seasons of Fruit Collection. Antioxidants, 2022, 11, 656.	2.2	13
15	Spatial and Temporal Inversion of Land Surface Temperature along Coastal Cities in Arid Regions. Remote Sensing, 2022, 14, 1893.	1.8	9
16	Water Quality Improvement through Rainwater Tanks: A Review and Simulation Study. Water (Switzerland), 2022, 14, 1411.	1.2	6
17	Estimating earthquake peak ground acceleration and intensity using short-time Fourier and wavelet transform techniques: a case study at Odisha, India. Arabian Journal of Geosciences, 2022, 15, .	0.6	1
18	Assessment of Uptake, Accumulation and Degradation of Paracetamol in Spinach (Spinacia oleracea L.) under Controlled Laboratory Conditions. Plants, 2022, 11, 1626.	1.6	8

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19	Assessment of sulfamethoxazole removal by nanoscale zerovalent iron. Science of the Total Environment, 2021, 761, 143307.	3.9	24
20	Iron sulfide nanoparticles prepared using date seed extract: Green synthesis, characterization and potential application for removal of ciprofloxacin and chromium. Powder Technology, 2021, 380, 219-228.	2.1	38
21	Use of the multiple stress creep recovery (MSCR) test to characterize the rutting potential of asphalt binders: A literature review. Construction and Building Materials, 2021, 269, 121320.	3.2	93
22	Multicriteria Spatial Analysis to Map Artificial Groundwater Recharge Zones: Northern UAE. , 2021, , .		2
23	Synthesis of DMEA-Grafted Anion Exchange Membrane for Adsorptive Discharge of Methyl Orange from Wastewaters. Membranes, 2021, 11, 166.	1.4	19
24	Higher Acid Recovery Efficiency of Novel Functionalized Inorganic/Organic Composite Anion Exchange Membranes from Acidic Wastewater. Membranes, 2021, 11, 133.	1.4	14
25	Analysis of MSCR test results for asphalt binders with improved accuracy. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	1.3	18
26	Liquid-liquid extraction of Nd^{+3} and Eu^{+3} from aqueous medium using oxytetracycline in dichloromethane. Radiochimica Acta, 2021, 109, 445-452.	0.5	0
27	Experimental characterization and assessment of bio- and thermo-chemical energy potential of dromedary manure. Biomass and Bioenergy, 2021, 148, 106058.	2.9	4
28	Deep Convolutional Neural Network for Large-Scale Date Palm Tree Mapping from UAV-Based Images. Remote Sensing, 2021, 13, 2787.	1.8	28
29	Progress of the Pyrolyzer Reactors and Advanced Technologies for Biomass Pyrolysis Processing. Sustainability, 2021, 13, 11061.	1.6	44
30	Evaluation of microstructural strength of bio-cemented sand crust using rheometry. Geotechnique Letters, 2021, 11, 306-312.	0.6	4
31	Potential Factors That Trigger the Suspension of Calcium Carbonate Sediments and Whiting in a Semi-Enclosed Gulf. Remote Sensing, 2021, 13, 4795.	1.8	4
32	Evaluating iron-based nanoparticles for ciprofloxacin removal: Date seed extract as a biostabilizing and a bioreducing agent. Journal of Water Process Engineering, 2021, 44, 102419.	2.6	5
33	A Spatio-Temporal Framework Based on Geographic Information System (GIS) to Evaluate the $\mathbf{CO}_{2}$ Emissions. , 2021, , .		0
34	Biogas production from raw and oil-spent date palm seeds mixed with wastewater treatment sludge. Biofuels, 2020, 11, 707-714.	1.4	3
35	Assessment of the biochemical methane potential of mono- and co-digested dairy farm wastes. Waste Management and Research, 2020, 38, 88-99.	2.2	19
36	Sensors, Features, and Machine Learning for Oil Spill Detection and Monitoring: A Review. Remote Sensing, 2020, 12, 3338.	1.8	94

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37	Anticancer activities of selected Emirati Date (Phoenix dactylifera L.) varieties pits in human triple negative breast cancer MDA-MB-231 cells. Saudi Journal of Biological Sciences, 2020, 27, 3390-3396.	1.8	15
38	Self-adaptive Image Segmentation Optimization for Hierarchal Object-based Classification of Drone-based Images. IOP Conference Series: Earth and Environmental Science, 2020, 540, 012090.	0.2	1
39	Characterization of the shear-thinning behavior of asphalt binders with consideration of yield stress. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	16
40	Mathematical Modelling for Predicting Pollutant Removal Efficiencies of an Electrolysis System. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	4
41	Phosphate removal using nanoscale zerovalent iron: Impact of chitosan and humic acid. Journal of Environmental Chemical Engineering, 2020, 8, 104131.	3.3	12
42	Challenges & opportunities of wastewater reuse privatization: a case study from Sharjah, UAE. , 2020, , .		1
43	A framework for linear viscoelastic characterization of asphalt mixtures. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	19
44	Comparative life cycle assessment of anaerobic co-digestion for dairy waste management in large-scale farms. Journal of Cleaner Production, 2020, 256, 120320.	4.6	30
45	Mapping Heterogeneous Urban Landscapes from the Fusion of Digital Surface Model and Unmanned Aerial Vehicle-Based Images Using Adaptive Multiscale Image Segmentation and Classification. Remote Sensing, 2020, 12, 1081.	1.8	27
46	Performance assessment of bio-modified asphalt binder using extracted bio oil from date seeds waste. International Journal of Systems Assurance Engineering and Management, 2020, 11, 1260-1270.	1.5	15
47	Continuous and scalable applications of microbial fuel cells: a critical review. Reviews in Environmental Science and Biotechnology, 2019, 18, 543-578.	3.9	50
48	Comprehensive evaluation of the life cycle of liquid and solid fuels derived from recycled coffee waste. Resources, Conservation and Recycling, 2019, 150, 104446.	5.3	16
49	Simulation of Anaerobic Co-Digestion Process for the Biogas Production using ASPEN PLUS. , 2019, , .		3
50	Nomographs for predicting allowable bearing capacity and elastic settlement of shallow foundation on granular soil. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	3
51	Spatio-temporal analysis of urban growth and its impact on floods in Ajman City, UAE. Environmental Monitoring and Assessment, 2019, 191, 656.	1.3	7
52	Dam Site Suitability Mapping and Analysis Using an Integrated GIS and Machine Learning Approach. Water (Switzerland), 2019, 11, 1880.	1.2	69
53	Spatiotemporal Mapping and Monitoring of Whiting in the Semi-Enclosed Gulf Using Moderate Resolution Imaging Spectroradiometer (MODIS) Time Series Images and a Generic Ensemble Tree-Based Model. Remote Sensing, 2019, 11, 1193.	1.8	9
54	Combustion and emissions analysis of Spent Pot lining (SPL) as alternative fuel in cement industry. Science of the Total Environment, 2019, 684, 519-526.	3.9	56

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55	Simultaneous Determination of Pharmaceuticals by Solid-phase Extraction and Liquid Chromatography-Tandem Mass Spectrometry: A Case Study from Sharjah Sewage Treatment Plant. Molecules, 2019, 24, 633.	1.7	32
56	Developing Machine Learning Models to Predict Roadway Traffic Noise: An Opportunity to Escape Conventional Techniques. Transportation Research Record, 2019, 2673, 158-172.	1.0	12
57	Phenolic Composition and Antimicrobial Activity of Different Emirati Date (Phoenix dactylifera L.) Pits: A Comparative Study. Plants, 2019, 8, 497.	1.6	29
58	Potential groundwater zone mapping based on geo-hydrological considerations and multi-criteria spatial analysis: North UAE. Catena, 2019, 173, 511-524.	2.2	36
59	Waste to energy potential in middle income countries of MENA region based on multi-scenario analysis for Kafr El-Sheikh Governorate, Egypt. Journal of Environmental Management, 2019, 232, 58-65.	3.8	32
60	Contaminants of emerging concern in Sharjah wastewater treatment plant, Sharjah, UAE. Journal of Environmental Engineering and Science, 2019, 14, 225-234.	0.3	8
61	Geotechnical Mapping of Seismic Risk for Sharjah City, United Arab Emirates. Lecture Notes in Civil Engineering, 2019, , 1185-1210.	0.3	1
62	Multi-scale correlation-based feature selection and random forest classification for LULC mapping from the integration of SAR and optical Sentinel images. , 2019, , .		2
63	Assessing the Spatial and Temporal Capacity of a Semi-Enclosed Gulf to Absorb and Release CO2 Using GIS and Remote Sensing. Lecture Notes in Civil Engineering, 2019, , 1161-1173.	0.3	0
64	Advanced Mathematical Models to Predict the Compaction Properties of Coarse-Grained Soils from Various Physical Properties. Geotechnical and Geological Engineering, 2018, 36, 3467-3483.	0.8	1
65	Macro and micro geo-spatial environment consideration for landfill site selection in Sharjah, United Arab Emirates. Environmental Monitoring and Assessment, 2018, 190, 147.	1.3	18
66	Advanced mathematical models and their comparison to predict compaction properties of fine-grained soils from various physical properties. Soils and Foundations, 2018, 58, 1383-1399.	1.3	13
67	Financial feasibility of waste to energy strategies in the United Arab Emirates. Waste Management, 2018, 82, 207-219.	3.7	60
68	Human health risk assessment of pharmaceuticals in treated wastewater reused for non-potable applications in Sharjah, United Arab Emirates. Environment International, 2018, 121, 325-331.	4.8	68
69	Image Segmentation Parameter Selection and Ant Colony Optimization for Date Palm Tree Detection and Mapping from Very-High-Spatial-Resolution Aerial Imagery. Remote Sensing, 2018, 10, 1413.	1.8	27
70	Effects of Land Cover Change on Urban Floods and Rainwater Harvesting: A Case Study in Sharjah, UAE. Water (Switzerland), 2018, 10, 631.	1.2	49
71	Developing artificial neural network models to predict allowable bearing capacity and elastic settlement of shallow foundation in Sharjah, United Arab Emirates. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	13
72	Biogas production from different types of cow manure. , 2018, , .		11

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73	Modeling roadway traffic noise in a hot climate using artificial neural networks. Transportation Research, Part D: Transport and Environment, 2017, 53, 161-177.	3.2	79
74	Infrastructure growth assessment of urban areas based on multi-temporal satellite images and linear features. Annals of GIS, 2017, 23, 183-201.	1.4	17
75	Spatiotemporal Analysis and Image Registration for Studying Growth of Transportation Infrastructure in Sharjah City, UAE. , 2017, , 113-122.		0
76	Extraction solvent's effect on biogas production from mixtures of date seed and wastewater sludge. MATEC Web of Conferences, 2017, 120, 05009.	0.1	1
77	Impact of urban expansion on potential flooding, storage and water harvesting in the city of Sharjah, United Arab Emirates. MATEC Web of Conferences, 2017, 120, 09007.	0.1	1
78	Multi-Temporal satellite imagery for infrastructure growth assessment of Dubai City, UAE. MATEC Web of Conferences, 2017, 120, 09006.	0.1	1
79	Preparation and characterization of modified bentonite nano composites for phosphorus removal. MATEC Web of Conferences, 2017, 120, 05011.	0.1	2
80	Comparison between major repair and replacement options for a bridge deck life cycle assessment: A case study. MATEC Web of Conferences, 2017, 120, 02017.	0.1	7
81	Potential impact of global warming on whiting in a semi-enclosed gulf. International Journal of Global Warming, 2017, 13, 411.	0.2	4
82	Assessment of Seasonal and Annual Rainfall Trends and Variability in Sharjah City, UAE. Advances in Meteorology, 2016, 2016, 1-13.	0.6	24
83	Risk-based GIS model for hazardous materials routing in Sharjah, United Arab Emirates as a case study. International Journal of Sustainable Society, 2016, 8, 96.	0.0	4
84	Evaluation of Methods Used for Reducing Heavy Metal Leaching from Sandy Soil. Geotechnical and Geological Engineering, 2016, 34, 1413-1423.	0.8	4
85	Phosphorous adsorption using Al^{3+}/Fe^{3+}-modified bentonite adsorbents—effect of Al^{3+} and Fe^{3+} combinations. Desalination and Water Treatment, 2016, 57, 15628-15634.	1.0	9
86	Modification of the swelling characteristics and phosphorus retention of bentonite clay using alum. Soils and Foundations, 2016, 56, 861-868.	1.3	5
87	Alignment of Course Contents and Student Assessment with Course and Programme Outcomes – A Mathematical Approach. Engineering Education, 2014, 9, 48-61.	0.3	4
88	Multi-Temporal Satellite Imagery for Urban Expansion Assessment at Sharjah City /UAE. IOP Conference Series: Earth and Environmental Science, 2014, 20, 012010.	0.2	2
89	Impacts of climatic variability on rainwater tank outcomes for an inland city, Canberra. International Journal of Hydrology Science and Technology, 2014, 4, 177.	0.2	24
90	Reliability analysis of rainwater tanks using daily water balance model: Variations within a large city. Resources, Conservation and Recycling, 2013, 77, 37-43.	5.3	64

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91	Removal of phosphate from water using six Al-, Fe-, and Al-Fe-modified bentonite adsorbents. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 223-231.	0.9	17
92	Life cycle cost analysis of a sustainable solar water distillation technique. Desalination and Water Treatment, 2013, 51, 7412-7419.	1.0	24
93	Rainwater harvesting potential for southwest Nigeria using daily water balance model. Resources, Conservation and Recycling, 2012, 62, 51-55.	5.3	98
94	Impact of surface ocean acidification on the CO_2 absorption rate. International Journal of Global Warming, 2011, 3, 163.	0.2	4
95	Development of a mathematical model for the quantification of fog-collection. Resources, Conservation and Recycling, 2011, 57, 10-14.	5.3	12
96	Optimisation of rainwater tank design from large roofs: A case study in Melbourne, Australia. Resources, Conservation and Recycling, 2011, 55, 1022-1029.	5.3	142
97	IT-facilitated student assessment: Outcome-based student grades. , 2011, , .		4
98	Analysis of strip footings resting on reinforced granular trench by the finite element method. International Journal of Geotechnical Engineering, 2010, 4, 471-482.	1.1	13
99	Modified Ammonia Removal Model Based on Equilibrium and Mass Transfer Principles. Bulletin of the Korean Chemical Society, 2010, 31, 1920-1926.	1.0	1
100	Modelling multi-species algal bloom in a lake and inter-algal competitions. Water Science and Technology, 2009, 60, 2599-2611.	1.2	18
101	Kinetic Model for the Water Oxidation Method for Treating Wastewater Sludges. Asia-Pacific Journal of Chemical Engineering, 2008, 12, 515-530.	0.0	8
102	FIRSTâ€ORDER HYDROTHERMAL OXIDATION KINETICS OF DIGESTED SLUDGE COMPARED WITH RAW SLUDGE. Environmental Technology (United Kingdom), 2008, 29, 1009-1020.	1.2	6
103	Hydrothermal treatment and recycling of organic by-products from sludge â€" confirmation of by-products availability for biological nutrient removal. Journal of Environmental Engineering and Science, 2006, 5, 473-483.	0.3	4
104	Generalized First-Order Kinetic Model for Biosolids Decomposition and Oxidation during Hydrothermal Treatment. Environmental Science & Technology, 2005, 39, 355-362.	4.6	20
105	Compaction characteristics of granular soils in United Arab Emirates. Geotechnical and Geological Engineering, 2003, 21, 283-295.	0.8	44
106	Hydrothermal decomposition and oxidation of the organic component of municipal and industrial waste products. Journal of Environmental Management, 2003, 7, 647-653.	1.7	56
107	Bio-Acidification and Leaching of Metals, Nitrogen, and Phosphorus from Soil and Sludge Mixtures. Soil and Sediment Contamination, 2003, 12, 565-589.	1.1	16
108	Production and transformation of volatile fatty acids from sludge subjected to hydrothermal treatment. Water Science and Technology, 2001, 44, 129-135.	1.2	62

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109	Production and transformation of volatile fatty acids from sludge subjected to hydrothermal treatment. Water Science and Technology, 2001, 44, 129-35.	1.2	12
110	Supercritical water oxidation of sludges contaminated with toxic organic chemicals. Water Science and Technology, 2000, 42, 363-368.	1.2	26
111	Treatment of sewage sludge using hydrothermal oxidation â€" technology application challenges. Water Science and Technology, 2000, 41, 85-92.	1.2	29
112	Production of useful organic matter from sludge using hydrothermal treatment. Water Research, 2000, 34, 945-951.	5.3	111
113	Acidic Bioleaching of Nitrogen and Phosphorus from Sewage Sludge. Environmental Technology (United Kingdom), 1999, 20, 459-468.	1.2	5
114	Impact of metals bioleaching on the nutrient value of biological nutrient removal biosolids. Water Science and Technology, 1999, 39, 175.	1.2	11
115	Destruction of Wastewater Treatment Biosolids in Supercritical Water.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 1383-1385.	0.1	7
116	MUNICIPAL WASTEWATER TREATMENT USING MAGNESIUM FROM SEA SALT BRINE.. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 1997, 121, 193-198.	0.4	0
117	Effect of cycle duration on phosphorus and nitrogen transformations in biofilters. Water Research, 1997, 31, 149-153.	5.3	17
118	Stabilization of Cd, Ni and Pb in soil using natural zeolite. Journal of Hazardous Materials, 1996, 45, 207-217.	6.5	97
119	Biofilters for water reuse in aquaculture. Water Science and Technology, 1996, 34, 253.	1.2	20
120	Perceptions on effective engineering education. , 0, , .		2
121	Modelling impact of precipitation of magnesium using lime on removal of select wastewater contaminants. , 0, 100, 287-294.		1
122	CALIBRATED MULTI-TEMPORAL EDGE IMAGES FOR CITY INFRASTRUCTURE GROWTH ASSESSMENT AND PREDICTION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W4, 37-44.	0.2	2
123	Geomatics for Mapping of Groundwater Potential Zones in Northern Part of the United Arab Emiratis - Sharjah City. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 581-586.	0.2	13
124	Current progress in anaerobic digestion reactors and parameters optimization. Biomass Conversion and Biorefinery, 0, , 1.	2.9	14
125	Fabrication and characterization of nanocomposite membranes for the rejection of textile dye. Inorganic and Nano-Metal Chemistry, 0, , 1-9.	0.9	0