

Syed Masiur Rahman

List of Publications by Year in descending order

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51
papers

1,181
citations

430442

18
h-index

414034

32
g-index

55
all docs

55
docs citations

55
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of wind speed profile using adaptive neuro-fuzzy inference system (ANFIS). Applied Energy, 2011, 88, 4024-4032.	5.1	180
2	Renewable energy utilization to promote sustainability in GCC countries: policies, drivers, and barriers. Environmental Science and Pollution Research, 2019, 26, 20798-20814.	2.7	70
3	Mitigation measures to reduce greenhouse gas emissions and enhance carbon capture and storage in Saudi Arabia. Renewable and Sustainable Energy Reviews, 2012, 16, 2446-2460.	8.2	69
4	Saudization (Localization) – A critical review. Human Resource Development International, 2005, 8, 495-502.	2.3	67
5	Greenhouse gas emissions from road transportation in Saudi Arabia - a challenging frontier. Renewable and Sustainable Energy Reviews, 2017, 69, 812-821.	8.2	59
6	Impacts of Autonomous Vehicles on Greenhouse Gas Emissions – Positive or Negative?. International Journal of Environmental Research and Public Health, 2021, 18, 5567.	1.2	52
7	Ensemble machine learning model for corrosion initiation time estimation of embedded steel reinforced self-compacting concrete. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108141.	2.5	51
8	The synergy between climate change policies and national development goals: Implications for sustainability. Journal of Cleaner Production, 2020, 249, 119369.	4.6	46
9	Review of the Fuzzy Logic Based Approach in Traffic Signal Control: Prospects in Saudi Arabia. Journal of Transportation System Engineering and Information Technology, 2009, 9, 58-70.	0.6	40
10	Greenhouse gas emissions from energy sector in the United Arab Emirates – An overview. Renewable and Sustainable Energy Reviews, 2016, 59, 1317-1325.	8.2	37
11	Predicting Crash Injury Severity with Machine Learning Algorithm Synergized with Clustering Technique: A Promising Protocol. International Journal of Environmental Research and Public Health, 2020, 17, 5497.	1.2	36
12	A review of policies and initiatives for climate change mitigation and environmental sustainability in Bangladesh. Environment, Development and Sustainability, 2021, 23, 1133-1161.	2.7	34
13	Climate Change Mitigation Pathways for the Aviation Sector. Sustainability, 2021, 13, 3656.	1.6	28
14	Non-linear Heterogeneous Ensemble Model for Permeability Prediction of Oil Reservoirs. Arabian Journal for Science and Engineering, 2013, 38, 1379-1395.	1.1	27
15	Neurogenetic modeling of energy demand in the United Arab Emirates, Saudi Arabia, and Qatar. Environmental Progress and Sustainable Energy, 2017, 36, 1208-1216.	1.3	26
16	Impacts of Autonomous Vehicles on Traffic Flow Characteristics under Mixed Traffic Environment: Future Perspectives. Sustainability, 2021, 13, 11052.	1.6	24
17	Role of spatial analysis technology in power system industry: An overview. Renewable and Sustainable Energy Reviews, 2016, 66, 584-595.	8.2	23
18	Electricity Generation in Saudi Arabia: Tracing Opportunities and Challenges to Reducing Greenhouse Gas Emissions. IEEE Access, 2021, 9, 116163-116182.	2.6	21

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19	Spatial estimation of wind speed. International Journal of Energy Research, 2012, 36, 545-552.	2.2	18
20	Greenhouse Gas Emissions from Solid Waste Management in Saudi Arabiaâ€”Analysis of Growth Dynamics and Mitigation Opportunities. Applied Sciences (Switzerland), 2021, 11, 1737.	1.3	18
21	Transformation of urban mobility during COVID-19 pandemic â€” Lessons for transportation planning. Journal of Transport and Health, 2021, 23, 101257.	1.1	18
22	Investigation of artificial neural network methodology for modeling of a liquidâ€”solid circulating fluidized bed riser. Powder Technology, 2012, 229, 71-77.	2.1	17
23	Soft Computing Applications in Air Quality Modeling: Past, Present, and Future. Sustainability, 2020, 12, 4045.	1.6	17
24	Dynamics of energy sector and GHG emissions in Saudi Arabia. Climate Policy, 2015, 15, 517-541.	2.6	15
25	Prediction of non-hydrocarbon gas components in separator by using Hybrid Computational Intelligence models. Neural Computing and Applications, 2017, 28, 635-649.	3.2	15
26	Neurogenetic approach for real-time damping of low-frequency oscillations in electric networks. Computers and Electrical Engineering, 2020, 83, 106600.	3.0	15
27	Calibration protocol for PARAMICS microscopic traffic simulation model: application of neuro-fuzzy approach. Canadian Journal of Civil Engineering, 2016, 43, 361-368.	0.7	14
28	A communicative planning approach to combat graduate unemployment in Saudi Arabia. Human Resource Development International, 2006, 9, 397-414.	2.3	11
29	Calibration of PARAMICS Model: Application of Artificial Intelligence-Based Approach. Arabian Journal for Science and Engineering, 2015, 40, 3459-3468.	1.1	11
30	Greenhouse Gas Emissions in the Industrial Processes and Product Use Sector of Saudi Arabiaâ€”An Emerging Challenge. Sustainability, 2022, 14, 7388.	1.6	9
31	Self organizing ozone model for Empty Quarter of Saudi Arabia: Group method data handling based modeling approach. Atmospheric Environment, 2012, 59, 398-407.	1.9	8
32	A review of factors and benefits of non-motorized transport: a way forward for developing countries. Environment, Development and Sustainability, 2022, 24, 1560-1582.	2.7	8
33	Signalized Intersection Control in Mixed Autonomous and Regular Vehicles Traffic Environmentâ€”A Critical Review Focusing on Future Control. IEEE Access, 2022, 10, 16942-16951.	2.6	8
34	A CRITICAL REVIEW OF DRILLING WASTE MANAGEMENT TOWARDS SUSTAINABLE SOLUTIONS. Environmental Engineering and Management Journal, 2017, 16, 1435-1450.	0.2	7
35	Simulation of Ratcheting Responses of Elbow Piping Components. , 2009, , .		6
36	Application of Support Vector Machine Modeling on Phase Distribution in the Riser of an LSCFB Reactor. International Journal of Chemical Reactor Engineering, 2014, 12, 123-134.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Management of greenhouse gas emissions from maritime operations - challenges and mitigation opportunities. International Journal of Global Warming, 2016, 9, 306.	0.2	6
38	A Multigene Genetic Programming approach for modeling effect of particle size in a liquidâ€“solid circulating fluidized bed reactor. Chemical Engineering Research and Design, 2018, 134, 370-381.	2.7	6
39	Scale-up effect analysis and modeling of liquidâ€“solid circulating fluidized bed risers using multigene genetic programming. Particuology, 2020, 52, 57-66.	2.0	6
40	Artificial Intelligence-Based Protocol for Macroscopic Traffic Simulation Model Development. Arabian Journal for Science and Engineering, 2021, 46, 4941-4949.	1.7	6
41	Water-Energy-Food Nexus Approach to Assess Crop Trading in Saudi Arabia. Sustainability, 2022, 14, 3494.	1.6	6
42	Dynamics of piracy in maritime transportation. Journal of Transportation Security, 2013, 6, 193-207.	0.9	5
43	Artificial Neural Network and Neuro-Fuzzy Methodology for Phase Distribution Modeling of a Liquidâ€“Solid Circulating Fluidized Bed Riser. Industrial & Engineering Chemistry Research, 0, , 120912150647002.	1.8	4
44	Ozone levels in the empty quarter of Saudi Arabiaâ€“application of adaptive neuro-fuzzy model. Environmental Science and Pollution Research, 2013, 20, 3395-3404.	2.7	4
45	Effects of Particle Size and Shape on Solids Holdups Distributions Modelling in a LSCFB Reactor using Abductive Network. Canadian Journal of Chemical Engineering, 2015, 93, 1686-1692.	0.9	4
46	Characterization of crash-prone drivers in Saudi Arabia â€“ A multivariate analysis. Case Studies on Transport Policy, 2017, 5, 134-142.	1.1	3
47	Backtracking Search Algorithm for PV Module Electrical Parameter Estimation. , 2021, , .		3
48	Apparent kinetics of nonisothermal high temperature oxidative degradation of ethylene homopolymers: effects of residual catalyst surface chemistry and structure. Journal of Polymer Research, 2013, 20, 1.	1.2	2
49	An Intelligent Approach for Power Quality Events Detection and Classification. , 2021, , .		1
50	Controlled Free Choice Method: A Proposal for a New Undergraduate Major Selection Policy at King Fahd University of Petroleum & Minerals. Higher Education Policy, 2006, 19, 51-63.	1.3	0
51	Modelling ozone levels in an arid region - a dynamically evolving soft computing approach. International Journal of Environment and Pollution, 2013, 52, 155.	0.2	0