Hagar Alm ElDin

List of Publications by Year
in descending order

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40 papers	1,194 citations	430874 18 h-index	434195 31 g-index
40 all docs	40 docs citations	40 times ranked	745 citing authors

#	Article	IF	Citations
1	Experimental performance investigations on various orientations of evacuated double absorber tube for solar parabolic trough concentrator. International Journal of Ambient Energy, 2022, 43, 492-499.	2.5	12
2	The influences of loading ratios and conveying velocity on gas-solid two phase flow characteristics: a comprehensive experimental CFD-DEM study. International Journal of Ambient Energy, 2022, 43, 2714-2726.	2.5	8
3	WCO biodiesel production by heterogeneous catalyst and using cadmium (II)-based supramolecular coordination polymer additives to improve diesel/biodiesel fueled engine performance and emissions. Journal of Thermal Analysis and Calorimetry, 2022, 147, 6375-6391.	3.6	34
4	Fuel reactivity controlled compression ignition engine and potential strategies to extend the engine operating range: A comprehensive review. Energy Conversion and Management: X, 2022, 13, 100133.	1.6	4
5	A comprehensive review on the effects of diesel/biofuel blends with nanofluid additives on compression ignition engine by response surface methodology. Energy Conversion and Management: X, 2022, 14, 100177.	1.6	16
6	Impacts of using EGR and different DI-fuels on RCCI engine emissions, performance, and combustion characteristics. Energy Conversion and Management: X, 2022, 15, 100236.	1.6	8
7	Effect of nanocomposite SCP1 additive to waste cooking oil biodiesel as fuel enhancer on diesel engine performance and emission characteristics. Sustainable Energy Technologies and Assessments, 2022, 52, 102291.	2.7	2
8	A use of various phase change materials on the performance of solar still: a review. International Journal of Ambient Energy, 2021, 42, 1575-1580.	2.5	26
9	Study of performance, combustion, and emissions parameters of DI-diesel engine fueled with algae biodiesel/diesel/n-pentane blends. Energy Conversion and Management: X, 2021, 10, 100058.	1.6	35
10	Diesel/ biodiesel /silver thiocyanate nanoparticles/hydrogen peroxide blends as new fuel for enhancement of performance, combustion, and Emission characteristics of a diesel engine. Energy, 2021, 216, 119284.	8.8	45
11	Influence of lean premixed ratio of PCCI-DI engine fueled by diesel/biodiesel blends on combustion, performance, and emission attributes; a comparison study. Energy Conversion and Management: X, 2021, 10, 100066.	1.6	14
12	Experimental study on combustion, performance, and emission behaviours of diesel /WCO biodiesel/Cyclohexane blends in DI-CI engine. Chemical Engineering Research and Design, 2021, 149, 684-697.	5.6	43
13	An enhancement in the diesel engine performance, combustion, and emission attributes fueled by diesel-biodiesel and 3D silver thiocyanate nanoparticles additive fuel blends. Journal of the Taiwan Institute of Chemical Engineers, 2021, 124, 369-380.	5.3	45
14	Study of diesel-biodiesel blends combustion and emission characteristics in a CI engine by adding nanoparticles of Mn (II) supramolecular complex. Atmospheric Pollution Research, 2020, 11, 117-128.	3.8	47
15	Effect of cultivation parameters and heat management on the algae species growth conditions and biomass production in a continuous feedstock photobioreactor. Renewable Energy, 2020, 148, 807-815.	8.9	37
16	Experimental investigation on the influences of acetone organic compound additives into the diesel/biodiesel mixture in CI engine. Sustainable Energy Technologies and Assessments, 2020, 37, 100614.	2.7	31
17	Comparative analysis of the use of flash evaporator and solar still with a solar desalination system. International Journal of Ambient Energy, 2020, , 1-8.	2.5	9
18	Maximization of biodiesel production from sunflower and soybean oils and prediction of diesel engine performance and emission characteristics through response surface methodology. Fuel, 2020, 266, 117072.	6.4	143

#	Article	IF	Citations
19	Experimental studies on the biodiesel production parameters optimization of sunflower and soybean oil mixture and DI engine combustion, performance, and emission analysis fueled with diesel/biodiesel blends. Fuel, 2019, 255, 115791.	6.4	169
20	Experimental investigations on spray flames and emissions analysis of diesel and diesel/biodiesel blends for combustion in oxyâ€fuel burner. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2375.	1.5	6
21	An experimental and theoretical study on particles-in-air behavior characterization at different particles loading and turbulence modulation. AEJ - Alexandria Engineering Journal, 2019, 58, 451-465.	6.4	5
22	Investigation and performance analysis of water-diesel emulsion for improvement of performance and emission characteristics of partially premixed charge compression ignition (PPCCI) diesel engines. Sustainable Energy Technologies and Assessments, 2019, 36, 100546.	2.7	33
23	Optimization of the multi-carburant dose as an energy source for the application of the HCCI engine. Fuel, 2019, 253, 15-24.	6.4	40
24	Comparative study of the combustion, performance, and emission characteristics of a direct injection diesel engine with a partially premixed lean charge compression ignition diesel engines. Fuel, 2019, 249, 277-285.	6.4	64
25	Emission analysis on compression ignition engine fueled with lower concentrations of Pithecellobium dulce biodieselâ€diesel blends. Heat Transfer - Asian Research, 2019, 48, 254-269.	2.8	38
26	COMPUTATIONAL STUDY OF DIFFERENT TURBULENCE MODELS FOR AIR IMPINGEMENT JET INTO MAIN AIR CROSS STREAM. , 2019, 46, 459-475.		1
27	Numerical Investigation of Combustion in HCCI Diesel Engine Fuelled with Biodiesel Blends. Journal of Engineering Research, 2019, 3, 1-10.	0.1	0
28	Kinetic modeling and experimental study on the combustion, performance and emission characteristics of a PCCI engine fueled with ethanol-diesel blends. Egyptian Journal of Petroleum, 2018, 27, 927-937.	2.6	36
29	Biodiesel production process optimization from Pithecellobium dulce seed oil: Performance, combustion, and emission analysis on compression ignition engine fuelled with diesel/biodiesel blends. Energy Conversion and Management, 2018, 161, 141-154.	9.2	109
30	Investigation of exergy and yield of a passive solar water desalination system with a parabolic concentrator incorporated with latent heat storage medium. Energy Conversion and Management, 2017, 145, 10-19.	9.2	43
31	Study of combustion behaviors for dimethyl ether as an alternative fuel using CFD with detailed chemical kinetics. AEJ - Alexandria Engineering Journal, 2017, 56, 709-719.	6.4	6
32	Solid Particles Injection in Gas Turbulent Channel Flow. Energy and Power Engineering, 2016, 08, 367-388.	0.8	3
33	A Computational Study of Cavitation Model Validity Using a New Quantitative Criterion. Chinese Physics Letters, 2012, 29, 064703.	3.3	6
34	Detailed 3D-CFD/Chemistry of CNG-Hydrogen Blend in HCCI Engine. , 2010, , .		2
35	A comprehensive Modeling Study of Natural Gas (HCCI) Engine Combustion Enhancement by Using Hydrogen Addition. , 0, , .		21
36	Detailed Simulation of Liquid DME Homogenization and Combustion Behaviors in HCCI Engines. , 0, , .		3

#	Article	IF	Citations
37	HCCI Engines Combustion of CNG Fuel with DME and H₂ Additives. , 0, , .		12
38	Computational Evaluation of Nozzle Flow and Cavitation Characteristics in a Diesel Injector. SAE International Journal of Engines, 0, 5, 1605-1616.	0.4	5
39	Numerical and Experimental Investigation of Ethyl Alcohol as Oxygenator on the Combustion, Performance, and Emission Characteristics of Diesel/Cotton Seed Oil Blends in Homogenous Charge Compression Ignition Engine. , 0, , .		27
40	Industrial wastewater treatment by electrocoagulation powered by a solar photovoltaic system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-12.	2.3	6