

Meisam Babaie

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

500
citations

687220

13
h-index

839398

18
g-index

21
all docs

21
docs citations

21
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Particulate number emissions during cold-start with diesel and biofuels: A special focus on particle size distribution. Sustainable Energy Technologies and Assessments, 2022, 51, 101953.	1.7	2
2	Power enhancement of a turbo-charged industrial diesel engine by using of a waste heat recovery system based on inverted Brayton and organic Rankine cycles. Fuel, 2022, 322, 124036.	3.4	11
3	Exergy analysis of the third-generation biofuels. , 2022, , 835-845.		1
4	Energy and exergy analysis of a novel turbo-compounding system for supercharging and mild hybridization of a gasoline engine. Journal of Thermal Analysis and Calorimetry, 2021, 145, 817-828.	2.0	18
5	Cold-start NOx emissions: Diesel and waste lubricating oil as a fuel additive. Fuel, 2021, 286, 119430.	3.4	23
6	Numerical Study of Engine Performance and Emissions for Port Injection of Ammonia into a Gasoline/Ethanol Dual-Fuel Spark Ignition Engine. Applied Sciences (Switzerland), 2021, 11, 1441.	1.3	9
7	Multi-objective optimization of the engine performance and emissions for a hydrogen/gasoline dual-fuel engine equipped with the port water injection system. International Journal of Hydrogen Energy, 2021, 46, 10535-10547.	3.8	33
8	Analysis of cold-start NO ₂ and NO _x emissions, and the NO ₂ /NO _x ratio in a diesel engine powered with different diesel-biodiesel blends. Environmental Pollution, 2021, 290, 118052.	3.7	32
9	Numerical study of self-similar natural convection mass transfer from a rotating cone in anisotropic porous media with Stefan blowing and Navier slip. Indian Journal of Physics, 2020, 94, 863-877.	0.9	31
10	Emissions and performance with diesel and waste lubricating oil: A fundamental study into cold start operation with a special focus on particle number size distribution. Energy Conversion and Management, 2020, 209, 112604.	4.4	19
11	Novel hybrid system of pulsed HHO generator/TEG waste heat recovery for CO reduction of a gasoline engine. International Journal of Hydrogen Energy, 2020, 45, 23576-23586.	3.8	23
12	Exergy analysis of a diesel engine with waste cooking biodiesel and triacetin. Energy Conversion and Management, 2019, 198, 111912.	4.4	75
13	Improvement of energy systems using the soft computing techniques. International Journal of Exergy, 2016, 19, 315.	0.2	5
14	Evaluation of Residence Time on Nitrogen Oxides Removal in Non-Thermal Plasma Reactor. PLoS ONE, 2015, 10, e0140897.	1.1	17
15	Performance evaluation of non-thermal plasma on particulate matter, ozone and CO ₂ correlation for diesel exhaust emission reduction. Chemical Engineering Journal, 2015, 276, 240-248.	6.6	51
16	Effect of Pulsed Power on Particle Matter in Diesel Engine Exhaust Using a DBD Plasma Reactor. IEEE Transactions on Plasma Science, 2013, 41, 2349-2358.	0.6	44
17	Multi-objective collaborative multidisciplinary design optimization using particle swarm techniques and fuzzy decision making. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 2281-2295.	1.1	8
18	Implementing of the multi-objective particle swarm optimizer and fuzzy decision-maker in exergetic, exergoeconomic and environmental optimization of a benchmark cogeneration system. Energy, 2011, 36, 4777-4789.	4.5	63

#	ARTICLE	IF	CITATIONS
19	Multiobjective optimization for force and moment balance of a four-bar linkage using evolutionary algorithms. Journal of Mechanical Science and Technology, 2011, 25, 2971-2977.	0.7	30
20	Exergy, Cost and Environment as Objectives in Particle Swarm Optimization of a Benchmark Cogeneration System. , 2010, , .		1
21	Multi-Objective Particle Swarm Optimization and Fuzzy Decision Making in a Benchmark Cogeneration System. , 2009, , .		4