

Emre Yilmaz

List of Publications by Year in descending order

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40
papers

1,391
citations

257357

24
h-index

345118

36
g-index

40
all docs

40
docs citations

40
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of effect of compression ratio on combustion and exhaust emissions in A HCCI engine. Energy, 2019, 168, 1208-1216.	4.5	107
2	The comparison of combustion, engine performance and emission characteristics of ethanol, methanol, fusel oil, butanol, isopropanol and naphtha with n-heptane blends on HCCI engine. Fuel, 2020, 266, 117071.	3.4	95
3	Effects of intake air temperature on combustion, performance and emission characteristics of a HCCI engine fueled with the blends of 20% n-heptane and 80% isoctane fuels. Fuel Processing Technology, 2015, 130, 275-281.	3.7	92
4	Experimental examination of the effects of military aviation fuel JP-8 and biodiesel fuel blends on the engine performance, exhaust emissions and combustion in a direct injection engine. Fuel Processing Technology, 2014, 128, 158-165.	3.7	69
5	A review on higher alcohol of fusel oil as a renewable fuel for internal combustion engines: Applications, challenges, and global potential. Fuel, 2020, 279, 118516.	3.4	66
6	Experimental investigation on the combustion, performance and exhaust emission characteristics of poppy oil biodiesel-diesel dual fuel combustion in a CI engine. Fuel, 2020, 280, 118588.	3.4	64
7	Production of waste tyre oil and experimental investigation on combustion, engine performance and exhaust emissions. Journal of the Energy Institute, 2019, 92, 1406-1418.	2.7	60
8	A Comparison of Engine Performance and the Emission of Fusel Oil and Gasoline Mixtures at Different Ignition Timings. International Journal of Green Energy, 2015, 12, 767-772.	2.1	56
9	Experimental investigation of the effects of direct water injection parameters on engine performance in a six-stroke engine. Energy Conversion and Management, 2015, 98, 89-97.	4.4	52
10	Prediction of performance and exhaust emissions of a CI engine fueled with multi-wall carbon nanotube doped biodiesel-diesel blends using response surface method. Energy, 2021, 227, 120518.	4.5	48
11	Investigation of usability of the fusel oil in a single cylinder spark ignition engine. Journal of the Energy Institute, 2015, 88, 258-265.	2.7	46
12	Combustion and performance characteristics of an HCCI engine utilizing trapped residual gas via reduced valve lift. Applied Thermal Engineering, 2016, 100, 586-594.	3.0	42
13	The effects of diisopropyl ether on combustion, performance, emissions and operating range in a HCCI engine. Fuel, 2020, 265, 116919.	3.4	42
14	Operating range, combustion, performance and emissions of an HCCI engine fueled with naphtha. Fuel, 2021, 283, 118828.	3.4	41
15	Investigation of the effects of diesel-fusel oil fuel blends on combustion, engine performance and exhaust emissions in a single cylinder compression ignition engine. Fuel, 2019, 255, 115741.	3.4	39
16	Effects of the fusel oil usage in HCCI engine on combustion, performance and emission. Fuel, 2020, 262, 116503.	3.4	39
17	Multi objective optimization of HCCI combustion fuelled with fusel oil and n-heptane blends. Renewable Energy, 2022, 182, 827-841.	4.3	39
18	Optimization of the operating conditions of a beta-type rhombic drive stirling engine by using response surface method. Energy, 2020, 198, 117377.	4.5	38

#	ARTICLE	IF	CITATIONS
19	Study on the combustion characteristics of acetone/n-heptane blend and RON50 reference fuels in an HCCI engine at different compression ratios. <i>Fuel</i> , 2020, 271, 117646.	3.4	38
20	Mapping of an HCCI engine using negative valve overlap strategy. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 1140-1154.	1.2	34
21	Preparation of diesel emulsion using auxiliary emulsifier mono ethylene glycol and utilization in a turbocharged diesel engine. <i>Energy Conversion and Management</i> , 2014, 86, 973-980.	4.4	32
22	A numerical study on the effects of EGR and spark timing to combustion characteristics and NO _x emission of a GDI engine. <i>International Journal of Green Energy</i> , 2016, 13, 63-70.	2.1	31
23	Manufacturing and testing of an $\hat{\pm}$ -type Stirling engine. <i>Applied Thermal Engineering</i> , 2018, 130, 1373-1379.	3.0	30
24	Modelling of performance, emission, and combustion of an HCCI engine fueled with fusel oil-diethylether fuel blends as a renewable fuel. <i>Fuel</i> , 2021, 290, 120017.	3.4	30
25	Effects of n-heptane/toluene/ethanol ternary fuel blends on combustion, operating range and emissions in premixed low temperature combustion. <i>Fuel</i> , 2021, 295, 120628.	3.4	26
26	Effect of nitrogen and hydrogen addition on performance and emissions in reactivity controlled compression ignition. <i>Fuel</i> , 2021, 292, 120330.	3.4	23
27	A comparative analysis of the engine performance and exhaust emissions characteristics of a diesel engine fueled with Mono ethylene glycol supported emulsion. <i>Fuel</i> , 2021, 288, 119723.	3.4	17
28	An Experimental Research on the Effects of Negative Valve Overlap on Performance and Operating Range in a Homogeneous Charge Compression Ignition Engine With RON40 and RON60 Fuels. <i>Journal of Engineering for Gas Turbines and Power</i> , 2020, 142, .	0.5	15
29	A Comparative Study on the Usage of RON68 and Naphtha in an HCCI Engine. <i>International Journal of Automotive Science and Technology</i> , 2020, 4, 90-97.	0.5	15
30	Exergy analysis in a HCCI engine operated with diethyl ether-fusel oil blends. <i>Case Studies in Thermal Engineering</i> , 2022, 32, 101899.	2.8	12
31	Combustion characteristics of naphtha and n-heptane fuels in an auto-ignited HCCI engine at different lambda values and engine loads. <i>Fuel</i> , 2022, 327, 125183.	3.4	11
32	Investigation of the effect of JP-8 fuel and biodiesel fuel mixture on engine performance and emissions by experimental and statistical methods. <i>Energy</i> , 2022, 254, 124155.	4.5	10
33	Performance Enhancement of a Beta Type Rhombic Drive Stirling engine. <i>International Journal of Green Energy</i> , 2020, 17, 884-893.	2.1	9
34	Estimation of the COVIMEP Variation in a HCCI Engine. <i>Journal of Polytechnic</i> , 0, , .	0.4	6
35	An Experimental Investigation on The Effects of Waste Olive Oil Biodiesel on Combustion, Engine Performance and Exhaust Emissions. <i>International Journal of Automotive Engineering and Technologies</i> , 2019, 8, 103-116.	0.3	4
36	Thermodynamic comparison of crank-drive and rhombic-drive mechanisms for a single cylinder spark ignition engine. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 2019, 35, 595-606.	0.3	4

#	ARTICLE	IF	CITATIONS
37	Homojen Dolgulu SÄ±kÄ±ÅýtÄ±rma ile AteÅlemeli Bir Motorda N-Heptan-Tetrahidrofurana KarÅ±ÅÄ±mlarÄ±nÄ±n Yanma, Performans Ve Emisyonlara Etkisi. Journal of Polytechnic, 2021, 24, 1033-1043.	0.4	4
38	Effects of the regenerator on engine performance of a rhombic drive beta type stirling engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-9.	1.2	2
39	Aseton, Tetrahidrofurana ve N-heptan YakÄ±t KarÅ±ÅÄ±mlarÄ±nÄ±n Homojen Dolgulu SÄ±kÄ±ÅýtÄ±rma Ä°le AteÅlemeli Yanmaya (HCCI) ve Motor PerformansÄ±na Etkileri Ä°zerine Deneysel Bir AraÅtÄ±rma. Gazi Ä°niversitesi Fen Bilimleri Dergisi, 2019, 7, 700-711.	0.2	2
40	Investigation of the Effects of Intake Manifold Pressure on Performance and Combustion Characteristics in an HCCI Engine. Journal of the Faculty of Engineering and Architecture of Gazi University, 2022, 37, 1735-1750.	0.3	1