

# Erol ileri

## List of Publications by Citations

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18  
papers

1,285  
citations

16  
h-index

18  
g-index

18  
ext. papers

1,498  
ext. citations

6.8  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
18	Extensive analyses of diesel-vegetable oil-n-butanol ternary blends in a diesel engine. <i>Applied Energy</i> , <b>2015</b> , 145, 155-162	10.7	152
17	Experimental investigation of engine performance and exhaust emissions of a diesel engine fueled with diesel-n-butanol-vegetable oil blends. <i>Energy Conversion and Management</i> , <b>2014</b> , 81, 312-321	10.6	148
16	Effects of antioxidant additives on engine performance and exhaust emissions of a diesel engine fueled with canola oil methyl ester-diesel blend. <i>Energy Conversion and Management</i> , <b>2013</b> , 76, 145-154	10.6	129
15	Response surface methodology based optimization of diesel-n-butanol-cotton oil ternary blend ratios to improve engine performance and exhaust emission characteristics. <i>Energy Conversion and Management</i> , <b>2015</b> , 90, 383-394	10.6	119
14	Experimental investigation of the effect of diesel-cotton oil-n-butanol ternary blends on phase stability, engine performance and exhaust emission parameters in a diesel engine. <i>Fuel</i> , <b>2013</b> , 109, 503-511	7.1	104
13	Effects of higher ratios of n-butanol addition to diesel-vegetable oil blends on performance and exhaust emissions of a diesel engine. <i>Journal of the Energy Institute</i> , <b>2015</b> , 88, 209-220	5.7	101
12	Experimental investigation of the effect of antioxidant additives on NOx emissions of a diesel engine using biodiesel. <i>Fuel</i> , <b>2014</b> , 125, 44-49	7.1	93
11	Optimization of diesel-n-butanol-vegetable oil blend ratios based on engine operating parameters. <i>Energy</i> , <b>2016</b> , 96, 569-580	7.9	90
10	Performance of biodiesel/higher alcohols blends in a diesel engine. <i>International Journal of Energy Research</i> , <b>2016</b> , 40, 1134-1143	4.5	65
9	Experimental Study of Emission Parameters of Biodiesel Fuels Obtained from Canola, Hazelnut, and Waste Cooking Oils. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 3622-3626	4.1	61
8	Experimental study of 2-ethylhexyl nitrate effects on engine performance and exhaust emissions of a diesel engine fueled with n-butanol or 1-pentanol diesel-sunflower oil blends. <i>Energy Conversion and Management</i> , <b>2016</b> , 118, 320-330	10.6	59
7	Comparative analyses of n-butanol-rapeseed oil-diesel blend with biodiesel, diesel and biodiesel-diesel fuels in a turbocharged direct injection diesel engine. <i>Journal of the Energy Institute</i> , <b>2016</b> , 89, 586-593	5.7	41
6	Response surface methodology based prediction of engine performance and exhaust emissions of a diesel engine fuelled with canola oil methyl ester. <i>Journal of Renewable and Sustainable Energy</i> , <b>2013</b> , 5, 033132	2.5	38
5	Predicting the Engine Performance and Exhaust Emissions of a Diesel Engine Fueled With Hazelnut Oil Methyl Ester: The Performance Comparison of Response Surface Methodology and LSSVM. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2016</b> , 138,	2.6	31
4	Experimental Investigation of the Effect of Fuel Injection Advance on Engine Performance and Exhaust Emission Parameters Using Canola Oil Methyl Ester in a Turbocharged Direct-Injection Diesel Engine. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 5191-5198	4.1	26
3	Grasshopper optimization algorithm for diesel engine fuelled with ethanol-biodiesel-diesel blends. <i>Case Studies in Thermal Engineering</i> , <b>2022</b> , 31, 101817	5.6	16
2	Optimizing cetane improver concentration in biodiesel-diesel blend via grey wolf optimizer algorithm. <i>Fuel</i> , <b>2020</b> , 273, 117784	7.1	10

- 1 Multi-objective optimization of diesel engine performance and emission using grasshopper optimization algorithm. *Fuel*, **2022**, 323, 124303 7.1 2