Oleg Lopatin

List of Publications by Year
in descending order

31	365	1477746 6	887659 17
papers	citations	h-index	g-index

31	31	31	24
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The study of the toxicity of exhaust gases of a diesel engine when operating on methanol and methyl ester of rapeseed oil. Journal of Physics: Conference Series, 2021, 1889, 042066.	0.3	0
2	Investigation of the effective performance of diesel engines running on methanol and rapeseed oil methyl ether. Journal of Physics: Conference Series, 2021, 1889, 042067.	0.3	2
3	Model for calculating the reaction rates of nitrogen oxide formation in a diesel cylinder. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062025.	0.3	0
4	Dynamics of soot formation and burnout in a gas diesel cylinder. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062033.	0.3	5
5	Investigation of nitrogen oxides in the cylinder of a gas-diesel engine. Journal of Physics: Conference Series, 2020, 1515, 042008.	0.3	2
6	Study of the influence of the degree of exhaust gas recirculation on the working process of a diesel. Journal of Physics: Conference Series, 2020, 1515, 042021.	0.3	2
7	Development of a program for converting diesel engines to natural gas. Journal of Physics: Conference Series, 2020, 1515, 052002.	0.3	0
8	Chemistry of the process of formation of nitrogen oxides in the combustion chamber of gas-diesel. Journal of Physics: Conference Series, 2020, 1515, 052004.	0.3	1
9	Integrated diesel engine toxicity reduction system. IOP Conference Series: Materials Science and Engineering, 2020, 734, 012199.	0.3	2
10	Investigation of the ignition delay period in the diesel combustion chamber when working on an alcohol-fuel emulsion. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062027.	0.3	0
11	Calculation of geometric parameters of diesel fuel ignition flares. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062074.	0.3	2
12	Passenger gas diesels to preserve the cityâ€™s ecology. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062078.	0.3	0
13	The effect of operational modes of diesel engines to emissions of nitrogen oxides. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062087.	0.3	0
14	Phenomenology of nitrogen oxides formation in a gas-diesel engine. Journal of Physics: Conference Series, 2020, 1515, 042009.	0.3	5
15	Biofuel based on methanol and methyl ester of rapeseed oil for diesel engine. IOP Conference Series: Materials Science and Engineering, 2020, 734, 012208.	0.3	5
16	Gas-diesel engine exhaust gas recirculation. IOP Conference Series: Earth and Environmental Science, 2020, 548, 062023.	0.2	9
17	Development of tractor gas-diesel modifications. IOP Conference Series: Earth and Environmental Science, 2020, 548, 062034.	0.2	7
18	Model for calculating the characteristics of fuel injection and atomization in diesel when working on alcohol-fuel emulsions. IOP Conference Series: Materials Science and Engineering, 2020, 862, 062014.	0.3	0

#	Article	IF	Citations
19	Research of load modes of diesel engine at work on biofuel. IOP Conference Series: Materials Science and Engineering, 2020, 734, 012202.	0.3	2
20	Study of toxicity of diesel engine on alcohol fuel. IOP Conference Series: Earth and Environmental Science, 2020, 421, 072018.	0.2	3
21	Natural gas combustion in diesel engine. IOP Conference Series: Earth and Environmental Science, 2020, 421, 072019.	0.2	9
22	Development of environmentally friendly alcohol-fuel emulsions for diesel engines. Journal of Physics: Conference Series, 2020, 1515, 042019.	0.3	2
23	Research of high-speed diesel engines of small dimension on biofuel. Journal of Physics: Conference Series, 2019, 1399, 055016.	0.3	4
24	Investigation of the speed regime of tractor diesel engine running on natural gas with recirculation. IOP Conference Series: Materials Science and Engineering, 2018, 457, 012011.	0.3	6
25	Decrease in Toxicity of Vehicle Exhaust Gases of Car Diesel by Conversion to Alcohol-Fuel Emulsions. Ecology and Industry of Russia, 2018, 22, 54-59.	0.2	91
26	Reducing the environmental threat of motor vehicles by converting engines for operating on natural gas. , 2018, , 27-32.		92
27	Indication of the working process of the tractor diesel working on natural gas and alcohols. Traktory I Sel Hozmashiny, 2018, 85, 18-25.	0.1	0
28	The toxicity study of diesel engines working on biofuels based on methyl alcohol. Izvestiya MGTU MAMI, 2018, 12, 51-57.	0.1	0
29	Research of high-speed operation modes of a tractor diesel on alcohol-fuel emulsions. Traktory I Sel Hozmashiny, 2018, 85, 15-19.	0.1	0
30	Use of natural gas, methanol, and ethanol fuel emulsions as environmentally friendly energy carriers for mobile heat power plants. Thermal Engineering (English Translation of Teploenergetika), 2017, 64, 935-944.	0.4	112
31	Effective indicators of diesel powered by natural gas and alcohol-fuel emulsions. IOP Conference Series: Earth and Environmental Science, 0, 548, 062028.	0.2	2