

Nivin Joy

List of Publications by Year in descending order

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67
papers

600
citations

932766

10
h-index

676716

22
g-index

67
all docs

67
docs citations

67
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation and emission characteristics of biodiesel-ignition enhancer blends propelled in a research diesel engine. <i>International Journal of Green Energy</i> , 2019, 16, 277-283.	2.1	105
2	Exhaust emission study on neat biodiesel and alcohol blends fueled diesel engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 115-119.	1.2	91
3	Emission analysis of diesel and butanol blends in research diesel engine. <i>Petroleum Science and Technology</i> , 2020, 38, 289-296.	0.7	61
4	Enzymatic production of biodiesel using lipase catalyst and testing of an unmodified compression ignition engine using its blends with diesel. <i>Renewable Energy</i> , 2020, 145, 399-407.	4.3	50
5	Enzymatic production of rice bran biodiesel and testing of its diesel blends in a four-stroke CI engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 5340-5351.	1.2	34
6	Production of rice bran methyl esters and their engine characteristics in a DI diesel engine. <i>International Journal of Ambient Energy</i> , 2022, 43, 78-86.	1.4	31
7	Impact of Methyl, Ethyl, and Butyl Ester Blends of Freshwater Algae Oil on the Combustion, Performance, and Emissions of a CI Engine. <i>Energy & Fuels</i> , 2020, 34, 9763-9770.	2.5	25
8	Experimental investigation and analysis of drilling in Grade 5 Titanium alloy (Ti-6Al-4V). <i>Materials Today: Proceedings</i> , 2020, 21, 335-339.	0.9	22
9	Experimental study on improving the performance of solar still using air blower. <i>International Journal of Ambient Energy</i> , 2018, 39, 613-616.	1.4	17
10	Measurement of temperature-dependent thermal conductivity, viscosity and density of ZnO-Theminol 55 Nanofluids. <i>Materials Today: Proceedings</i> , 2020, 21, 148-151.	0.9	15
11	Investigation on the lubricating behavior of cashew nut shell liquid oil as a renewable and reliable petrochemical product. <i>Materials Today: Proceedings</i> , 2021, 44, 3583-3588.	0.9	14
12	Performance and emission analysis on diesel engine fuelled with neat pongamia biodiesel. <i>International Journal of Ambient Energy</i> , 2022, 43, 21-27.	1.4	12
13	Investigation on titanium oxide nano particles as additives for operating biodiesel fuelled engine. <i>Materials Today: Proceedings</i> , 2021, 44, 3525-3529.	0.9	9
14	Study on mechanical properties of aluminium 6061 / SiC composite by single and double stir casting process. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	8
15	Study on optimization of spur gear performance with titanium carbide incorporated aluminium matrix composite. <i>Materials Today: Proceedings</i> , 2021, 44, 3686-3691.	0.9	8
16	Emission characteristics study of biodiesel-alcohol blends in a compression ignition engine. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	7
17	An experimental study of drilling parameters and determination of ovality during the drilling of grade 5 titanium alloy with TiN coated carbide drill tools. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 923, 012032.	0.3	6
18	Impact of titanium oxide nano additives on the performance characteristics of a CI engine fuelled with manilkarazapota methyl ester blends. <i>Materials Today: Proceedings</i> , 2021, 44, 3601-3605.	0.9	6

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19	Gas nitriding of CP grade “ 2 commercially pure titanium and Ti6Al4V grade “ 5 titanium alloy. Materials Today: Proceedings, 2021, 44, 3744-3750.	0.9	6
20	Comparative study of performance and emissions of a CI engine using biodiesel of microalgae, macroalgae and rice bran. IOP Conference Series: Materials Science and Engineering, 2017, 197, 012017.	0.3	5
21	Experimental investigation on the effect of nanobubbled water in evaporative cooling and oxygen enrichment in air cooler. Materials Today: Proceedings, 2021, 44, 3622-3626.	0.9	5
22	Microstructure and corrosion behavior of Cr-Cu and Cr-Ag composite coatings for industrial applications. Materials Today: Proceedings, 2021, 44, 3697-3700.	0.9	5
23	Influence of liquid additives on waste cooking oil biodiesel-isopropanol blend operated in CI engine. Materials Today: Proceedings, 2021, 44, 3595-3600.	0.9	5
24	Generation and characterization of nanobubbles for heat transfer applications. Materials Today: Proceedings, 2021, 43, 3391-3393.	0.9	4
25	Emission characteristics of nano additive-biodiesel blends in diesel engine. AIP Conference Proceedings, 2020, , .	0.3	4
26	Measurement of temperature debased and theoretical inevitability of thermal conductivity and viscosity of germanium-based thermionol-55 nanofluid. International Journal of Ambient Energy, 2019, , 1-7.	1.4	3
27	Study of aluminium metal matrix composite material characteristics for potential use in disc brake rotor. AIP Conference Proceedings, 2020, , .	0.3	3
28	Experimental assessment of alumina nano additives on the performance of C.I. engine fuelled with a high-performance fuel blend. Materials Today: Proceedings, 2021, 44, 3544-3549.	0.9	3
29	Experimental evaluation of the mechanical properties of friction stir weld of brass. AIP Conference Proceedings, 2020, , .	0.3	3
30	Effect of mixing two biodiesels on emissions in CI engine fuelled by candle nut and soap nut methyl esters-diesel blends. AIP Conference Proceedings, 2020, , .	0.3	3
31	Effect of EGR in a CI engine operated with high performance blend of diesel. AIP Conference Proceedings, 2020, , .	0.3	3
32	Experimental analysis and theoretical certainty of thermal conductivity of CuO based thermionol D-12 nano fluid. International Journal of Ambient Energy, 2022, 43, 460-465.	1.4	2
33	Study of mechanical and surface properties of aluminium MMC reinforced with boron carbide. AIP Conference Proceedings, 2020, , .	0.3	2
34	Investigation on the electrochemical characteristics of Ti-6Al-4V weldment. Materials Today: Proceedings, 2021, 44, 3727-3731.	0.9	2
35	Thermal analysis of hybrid aluminium metal matrix composites. Materials Today: Proceedings, 2021, 44, 3846-3850.	0.9	2
36	Emission study of titanium oxide nano-additive blended rice bran biodiesel in a diesel engine. AIP Conference Proceedings, 2020, , .	0.3	2

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37	Emission and Performance Characteristics of a Diesel Engine Using Copper Oxide Nanoparticles in Palm Oil Biodiesel-Diesel Blends. Transactions of Famena, 2021, 45, 29-44.	0.3	2
38	Comparative study of performance and emission characteristics with addition of DEE on orange peel bio-diesel. AIP Conference Proceedings, 2020, , .	0.3	1
39	Study on effect of rubber paint coating on epoxy composite laminates. Materials Today: Proceedings, 2021, 44, 3829-3833.	0.9	1
40	Emission study for pentanol and pongamia biodiesel blends in a DI diesel engine. AIP Conference Proceedings, 2020, , .	0.3	1
41	Evaluation of mechanical properties of brake pads prepared by organic fibres. AIP Conference Proceedings, 2020, , .	0.3	1
42	Investigation on blending higher alcohol with diesel in a direct injection compression ignition engine. AIP Conference Proceedings, 2020, , .	0.3	1
43	Effect of EGR on performance and emission of CI engine using biodiesel blend of pork lard. AIP Conference Proceedings, 2020, , .	0.3	1
44	Effect of injection timing on combustion, performance and emission characteristics of CI engine fuelled with quaternary blends. AIP Conference Proceedings, 2020, , .	0.3	1
45	Characterization of titanium grade 5 alloy compressor blade in a jet engine using advanced materials for optimum thrust production. International Journal of Turbo and Jet Engines, 2020, .	0.3	1
46	Emission characteristics of influence of nano-additives doped biofuel in a diesel engine. AIP Conference Proceedings, 2020, , .	0.3	1
47	Study and test the joint of magnesium alloy by friction stir welding. AIP Conference Proceedings, 2020, , .	0.3	1
48	Fabrication and analysis of motorbike helmet using PCM for temperature control. AIP Conference Proceedings, 2020, , .	0.3	1
49	Analysis of surface texture of Ni-based super alloy with thermal barrier coating system (TBC) for gas turbine blade. AIP Conference Proceedings, 2020, , .	0.3	1
50	Influence of injection pressure on the performance of diesel engine using high performance fuel blend. AIP Conference Proceedings, 2020, , .	0.3	1
51	Experimental investigation on tribological and mechanical behaviour of Aluminium joined with Alumina ceramic. AIP Conference Proceedings, 2020, , .	0.3	1
52	Investigation on the hardness characteristic of high carbonised high chromium steel with cryogenic quenching. AIP Conference Proceedings, 2020, , .	0.3	1
53	Design and fabrication of dehydrator for vegetables and fruits. AIP Conference Proceedings, 2020, , .	0.3	0
54	Microstructure and corrosion behaviour of Ni-Ag and Ni-Cu composite coating for industrial applications. AIP Conference Proceedings, 2020, , .	0.3	0

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55	Investigation of PEEK skinned with aramid fiber. , 2020, , .		0
56	Temperature evaluation and performance comparison of various cooling techniques in drilling of grade 5 titanium alloy. Thermal Science, 2021, , 213-213.	0.5	0
57	Evaluation study of mechanical properties of dissimilar materials through TIG welding process. Materials Today: Proceedings, 2021, 44, 3894-3897.	0.9	0
58	Numerical simulation and experimental analysis on the performance of a modified shower cooling tower. AIP Conference Proceedings, 2020, , .	0.3	0
59	Modelling and analysis of process parameters in drilling of Ti-6Al-4V using response surface methodology (RSM). AIP Conference Proceedings, 2020, , .	0.3	0
60	Assessment on the performance of CI engine operated with diesel and biodiesel from ayurvedic seeds. AIP Conference Proceedings, 2020, , .	0.3	0
61	Fuzzy logic controller based UPFC for voltage profile improvement in a smart grid. AIP Conference Proceedings, 2020, , .	0.3	0
62	Implementation of a novel incinerator plant for potential heat recovery from biomass. AIP Conference Proceedings, 2020, , .	0.3	0
63	Performance and emission characteristics of tetra hydro curcumin blends with rubberseed oil biodiesel in single cylinder diesel engine. AIP Conference Proceedings, 2020, , .	0.3	0
64	Performance test on C.I engines on improving the oxidation stability of biodiesel. AIP Conference Proceedings, 2020, , .	0.3	0
65	Performance enhancement of diesel engines using combined biodiesel. AIP Conference Proceedings, 2020, , .	0.3	0
66	Design and analysis of an inlet and combustion chamber of scramjet engine. AIP Conference Proceedings, 2020, , .	0.3	0
67	FEA and micro structural investigation of autogenous GTAW and laser beam weld IRSM 41 - 97 steel joints. AIP Conference Proceedings, 2020, , .	0.3	0