

Nivin Joy

List of Publications by Year in descending order

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67
papers

600
citations

933447
10
h-index

677142
22
g-index

67
all docs

67
docs citations

67
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic production of rice bran biodiesel and testing of its diesel blends in a four-stroke CI engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023, 45, 5340-5351.	2.3	34
2	Experimental analysis and theoretical certainty of thermal conductivity of CuO based therminol D-12 nano fluid. International Journal of Ambient Energy, 2022, 43, 460-465.	2.5	2
3	Production of rice bran methyl esters and their engine characteristics in a DI diesel engine. International Journal of Ambient Energy, 2022, 43, 78-86.	2.5	31
4	Performance and emission analysis on diesel engine fuelled with neat pongamia biodiesel. International Journal of Ambient Energy, 2022, 43, 21-27.	2.5	12
5	Generation and characterization of nanobubbles for heat transfer applications. Materials Today: Proceedings, 2021, 43, 3391-3393.	1.8	4
6	Impact of titanium oxide nano additives on the performance characteristics of a CI engine fuelled with manilkarazapota methyl ester blends. Materials Today: Proceedings, 2021, 44, 3601-3605.	1.8	6
7	Study on optimization of spur gear performance with titanium carbide incorporated aluminium matrix composite. Materials Today: Proceedings, 2021, 44, 3686-3691.	1.8	8
8	Experimental investigation on the effect of nanobubbled water in evaporative cooling and oxygen enrichment in air cooler. Materials Today: Proceedings, 2021, 44, 3622-3626.	1.8	5
9	Microstructure and corrosion behavior of Cr-Cu and Cr-Ag composite coatings for industrial applications. Materials Today: Proceedings, 2021, 44, 3697-3700.	1.8	5
10	Influence of liquid additives on waste cooking oil biodiesel-isopropanol blend operated in CI engine. Materials Today: Proceedings, 2021, 44, 3595-3600.	1.8	5
11	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.	1.8	3
12	Investigation on titanium oxide nano particles as additives for operating biodiesel fuelled engine. Materials Today: Proceedings, 2021, 44, 3525-3529.	1.8	9
13	Investigation on the lubricating behavior of cashew nut shell liquid oil as a renewable and reliable petrochemical product. Materials Today: Proceedings, 2021, 44, 3583-3588.	1.8	14
14	Gas nitriding of CP grade “ 2 commercially pure titanium and Ti6Al4V grade “ 5 titanium alloy. Materials Today: Proceedings, 2021, 44, 3744-3750.	1.8	6
15	Investigation on the electrochemical characteristics of Ti-6Al-4V weldment. Materials Today: Proceedings, 2021, 44, 3727-3731.	1.8	2
16	Temperature evaluation and performance comparison of various cooling techniques in drilling of grade 5 titanium alloy. Thermal Science, 2021, , 213-213.	1.1	0
17	Evaluation study of mechanical properties of dissimilar materials through TIG welding process. Materials Today: Proceedings, 2021, 44, 3894-3897.	1.8	0
18	Study on effect of rubber paint coating on epoxy composite laminates. Materials Today: Proceedings, 2021, 44, 3829-3833.	1.8	1

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19	Thermal analysis of hybrid aluminium metal matrix composites. Materials Today: Proceedings, 2021, 44, 3846-3850.	1.8	2
20	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.	0.6	2
21	Enzymatic production of biodiesel using lipase catalyst and testing of an unmodified compression ignition engine using its blends with diesel. Renewable Energy, 2020, 145, 399-407.	8.9	50
22	Measurement of temperature-dependent thermal conductivity, viscosity and density of ZnO-Theminol 55 Nanofluids. Materials Today: Proceedings, 2020, 21, 148-151.	1.8	15
23	Experimental investigation and analysis of drilling in Grade 5 Titanium alloy (Ti-6Al-4V). Materials Today: Proceedings, 2020, 21, 335-339.	1.8	22
24	Emission analysis of diesel and butanol blends in research diesel engine. Petroleum Science and Technology, 2020, 38, 289-296.	1.5	61
25	Impact of Methyl, Ethyl, and Butyl Ester Blends of Freshwater Algae Oil on the Combustion, Performance, and Emissions of a CI Engine. Energy & Fuels, 2020, 34, 9763-9770.	5.1	25
26	Design and fabrication of dehydrator for vegetables and fruits. AIP Conference Proceedings, 2020, , .	0.4	0
27	Microstructure and corrosion behaviour of Ni-Ag and Ni-Cu composite coating for industrial applications. AIP Conference Proceedings, 2020, , .	0.4	0
28	Comparative study of performance and emission characteristics with addition of DEE on orange peel bio-diesel. AIP Conference Proceedings, 2020, , .	0.4	1
29	Study on mechanical properties of aluminium 6061 / SiC composite by single and double stir casting process. AIP Conference Proceedings, 2020, , .	0.4	8
30	Investigation of PEEK skinned with aramid fiber. , 2020, , .		0
31	Study of mechanical and surface properties of aluminium MMC reinforced with boron carbide. AIP Conference Proceedings, 2020, , .	0.4	2
32	Study of aluminium metal matrix composite material characteristics for potential use in disc brake rotor. AIP Conference Proceedings, 2020, , .	0.4	3
33	An experimental study of drilling parameters and determination of ovality during the drilling of grade 5 titanium alloy with TiN coated carbide drill tools. IOP Conference Series: Materials Science and Engineering, 2020, 923, 012032.	0.6	6
34	Emission characteristics of nano additive-biodiesel blends in diesel engine. AIP Conference Proceedings, 2020, , .	0.4	4
35	Emission study for pentanol and pongamia biodiesel blends in a DI diesel engine. AIP Conference Proceedings, 2020, , .	0.4	1
36	Experimental evaluation of the mechanical properties of friction stir weld of brass. AIP Conference Proceedings, 2020, , .	0.4	3

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37	Evaluation of mechanical properties of brake pads prepared by organic fibres. AIP Conference Proceedings, 2020, , .	0.4	1
38	Investigation on blending higher alcohol with diesel in a direct injection compression ignition engine. AIP Conference Proceedings, 2020, , .	0.4	1
39	Effect of EGR on performance and emission of CI engine using biodiesel blend of pork lard. AIP Conference Proceedings, 2020, , .	0.4	1
40	Effect of injection timing on combustion, performance and emission characteristics of CI engine fuelled with quaternary blends. AIP Conference Proceedings, 2020, , .	0.4	1
41	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, , .	0.4	3
42	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, .	0.7	1
43	Emission characteristics of influence of nano-additives doped biofuel in a diesel engine. AIP Conference Proceedings, 2020, , .	0.4	1
44	Numerical simulation and experimental analysis on the performance of a modified shower cooling tower. AIP Conference Proceedings, 2020, , .	0.4	0
45	Emission study of titanium oxide nano-additive blended rice bran biodiesel in a diesel engine. AIP Conference Proceedings, 2020, , .	0.4	2
46	Study and test the joint of magnesium alloy by friction stir welding. AIP Conference Proceedings, 2020, , .	0.4	1
47	Fabrication and analysis of motorbike helmet using PCM for temperature control. AIP Conference Proceedings, 2020, , .	0.4	1
48	Modelling and analysis of process parameters in drilling of Ti-6Al-4V using response surface methodology (RSM). AIP Conference Proceedings, 2020, , .	0.4	0
49	Analysis of surface texture of Ni-based super alloy with thermal barrier coating system (TBC) for gas turbine blade. AIP Conference Proceedings, 2020, , .	0.4	1
50	Effect of EGR in a CI engine operated with high performance blend of diesel. AIP Conference Proceedings, 2020, , .	0.4	3
51	Assessment on the performance of CI engine operated with diesel and biodiesel from ayurvedic seeds. AIP Conference Proceedings, 2020, , .	0.4	0
52	Fuzzy logic controller based UPFC for voltage profile improvement in a smart grid. AIP Conference Proceedings, 2020, , .	0.4	0
53	Implementation of a novel incinerator plant for potential heat recovery from biomass. AIP Conference Proceedings, 2020, , .	0.4	0
54	Influence of injection pressure on the performance of diesel engine using high performance fuel blend. AIP Conference Proceedings, 2020, , .	0.4	1

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55	Performance and emission characteristics of tetra hydro curcumin blends with rubberseed oil biodiesel in single cylinder diesel engine. AIP Conference Proceedings, 2020, , .	0.4	0
56	Performance test on C.I engines on improving the oxidation stability of biodiesel. AIP Conference Proceedings, 2020, , .	0.4	0
57	Experimental investigation on tribological and mechanical behaviour of Aluminium joined with Alumina ceramic. AIP Conference Proceedings, 2020, , .	0.4	1
58	Performance enhancement of diesel engines using combined biodiesel. AIP Conference Proceedings, 2020, , .	0.4	0
59	Design and analysis of an inlet and combustion chamber of scramjet engine. AIP Conference Proceedings, 2020, , .	0.4	0
60	Emission characteristics study of biodiesel-alcohol blends in a compression ignition engine. AIP Conference Proceedings, 2020, , .	0.4	7
61	FEA and micro structural investigation of autogenous GTAW and laser beam weld IRSM 41 - 97 steel joints. AIP Conference Proceedings, 2020, , .	0.4	0
62	Investigation on the hardness characteristic of high carbonised high chromium steel with cryogenic quenching. AIP Conference Proceedings, 2020, , .	0.4	1
63	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.	2.5	3
64	Performance evaluation and emission characteristics of biodiesel-ignition enhancer blends propelled in a research diesel engine. International Journal of Green Energy, 2019, 16, 277-283.	3.8	105
65	Exhaust emission study on neat biodiesel and alcohol blends fueled diesel engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 115-119.	2.3	91
66	Experimental study on improving the performance of solar still using air blower. International Journal of Ambient Energy, 2018, 39, 613-616.	2.5	17
67	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.	0.6	5