

# Jeya Jeevahan J

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,142  
citations

858243

12  
h-index

466096

32  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion, performances, and emissions characteristics of diesel engine fuelled with diesel-aqueous zinc oxide nanofluid blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 2922-2936.	1.2	23
2	Study on Effect of Fiber Loading Natural <i>Coccinia Grandis</i> Fiber Epoxy Composite. <i>Journal of Natural Fibers</i> , 2022, 19, 7542-7552.	1.7	7
3	Study on mechanical properties of polyurea coating with various process parameters. <i>Materials Research Innovations</i> , 2021, 25, 257-263.	1.0	8
4	Waste into energy conversion technologies and conversion of food wastes into the potential products: a review. <i>International Journal of Ambient Energy</i> , 2021, 42, 1083-1101.	1.4	26
5	Influence of diethyl ether on engine performance and emissions characteristics of blends of butanol, pentanol or biodiesel (neem oil methyl ester) in a single cylinder diesel engine. <i>International Journal of Ambient Energy</i> , 2021, 42, 435-443.	1.4	13
6	Experimental investigation on the effect of corrosion and erosion on the shell and tube-type heat exchanger. <i>International Journal of Ambient Energy</i> , 2021, 42, 816-822.	1.4	2
7	Investigation of effect of the Fresnel lens on the performance of the double slope single basin solar still. <i>International Journal of Ambient Energy</i> , 2021, 42, 682-687.	1.4	9
8	Effect of graphene oxide coated catalytic converter on detoxification of diesel engine exhaust emissions. <i>Materials Today: Proceedings</i> , 2021, 44, 3898-3902.	0.9	2
9	Surface-modified and untreated <i>Cissus quadrangularis</i> reinforced polylactic composite. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100121.	2.9	9
10	Corrosion and mechanical behavior of plasma nitrated metallic biomaterial surfaces. <i>Materials Today: Proceedings</i> , 2021, 47, 938-943.	0.9	1
11	Effect of Multiwalled Carbon Nanotubes on Improvement of Fracture Toughness of Spark-Plasma-Sintered Yttria-Stabilized Zirconia Nanocomposites. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 3925-3933.	1.2	30
12	Characterization of mechanical, chemical properties and microstructure of untreated and treated <i>Cissus Quadrangularis</i> fiber. <i>Materials Today: Proceedings</i> , 2021, 47, 4479-4483.	0.9	7
13	XRD investigation of GTAW, GMAW, LBW and AGTAW Corten A588 grade steel weldments. <i>Materials Today: Proceedings</i> , 2021, 47, 4844-4851.	0.9	2
14	Microstructural studies of P91 and SS304L dissimilar welding. <i>Materials Today: Proceedings</i> , 2021, 47, 4571-4577.	0.9	1
15	Optimization and parametric analysis of Titanium Grade 2 in EDM using graphite tool as an electrode. <i>Materials Today: Proceedings</i> , 2021, 47, 4735-4740.	0.9	3
16	Effect of starch type on the film properties of native starch based edible films. <i>Materials Today: Proceedings</i> , 2021, 44, 3903-3907.	0.9	12
17	Effect of the addition of 1-pentanol on engine performance and emission characteristics of diesel and biodiesel fuelled single cylinder diesel engine. <i>International Journal of Ambient Energy</i> , 2020, 41, 58-63.	1.4	22
18	Comparative investigation of the effects of lower and higher alcohols/bio-diesel blends on engine performance and emissions characteristics of a diesel engine. <i>International Journal of Ambient Energy</i> , 2020, 41, 652-658.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Performance and emission characteristics of diesel engine using waste plastic oil with N-hexanol as an additive. AIP Conference Proceedings, 2020, , .	0.3	25
20	Polymer composite solar collector for water heating application. AIP Conference Proceedings, 2020, , .	0.3	0
21	Development of landmine detection robot. AIP Conference Proceedings, 2020, , .	0.3	1
22	Scaling up difficulties and commercial aspects of edible films for food packaging: A review. Trends in Food Science and Technology, 2020, 100, 210-222.	7.8	173
23	Influence of Nanocellulose Additive on the Film Properties of Native Rice Starch-based Edible Films for Food Packaging. Recent Patents on Nanotechnology, 2020, 13, 222-233.	0.7	22
24	Enhancement of mechanical properties of alloy steel by GTAW with different purge/shielding gases. FME Transactions, 2020, 48, 149-154.	0.7	4
25	Effect of Process Parameters for Wirecut Electric Discharge Machining of Cladded SS304. International Journal of Vehicle Structures and Systems, 2020, 11, .	0.1	1
26	Effect of Cladding Process Parameters for Mild Steel Surface Treatment. International Journal of Vehicle Structures and Systems, 2020, 11, .	0.1	1
27	Study and test the joint of magnesium alloy by friction stir welding. AIP Conference Proceedings, 2020, , .	0.3	1
28	Evaluation of natural fibers for the production of automotive brake pads replacement for asbestos brake pad. AIP Conference Proceedings, 2020, , .	0.3	4
29	Performance evaluation of room coupled with solar chimney and underground cooling methods. AIP Conference Proceedings, 2020, , .	0.3	0
30	Effect of nanocellulose extracted from rice husk on the film properties of native starch based edible films. AIP Conference Proceedings, 2020, , .	0.3	2
31	Study the microstructural joints of AA2024 and AA7075 alloy by friction stir welding. AIP Conference Proceedings, 2020, , .	0.3	0
32	Influence of nanocellulose addition on the film properties of the bionanocomposite edible films prepared from maize, rice, wheat, and potato starches. AIP Conference Proceedings, 2019, , .	0.3	3
33	Nanoedible films for food packaging: a review. Journal of Materials Science, 2019, 54, 12290-12318.	1.7	117
34	Studies on the Influence of Welding Parameters in Cladding of ERNiCrMo-10 on AISI 4140 Using GMAW Process. Lecture Notes in Mechanical Engineering, 2019, , 615-621.	0.3	3
35	Effect of intake air oxygen enrichment for improving engine performance and emissions control in diesel engine. International Journal of Ambient Energy, 2019, 40, 96-100.	1.4	12
36	Comparative study of performance of the DI diesel engine using custard apple biodiesel. International Journal of Ambient Energy, 2019, 40, 54-56.	1.4	9

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37	Design and analysis of internal cooling passage of gas turbine using computational fluid dynamics. International Journal of Ambient Energy, 2019, 40, 105-109.	1.4	7
38	Experimental investigation of the influence of isobutanol addition on engine performance and emissions of a direct ignition diesel engine fuelled by biodiesel blends derived from waste vegetable oil. International Journal of Ambient Energy, 2019, 40, 187-194.	1.4	9
39	Studies on the effect of temperature and time on the SS 304 surface for the properties degradation of the solar collector. International Journal of Ambient Energy, 2019, 40, 388-392.	1.4	2
40	Optimisation of process parameters for electroless nickel plating on SS316L for refrigeration systems. International Journal of Ambient Energy, 2019, 40, 863-867.	1.4	6
41	Influence of alkaline treatment on improving mechanical properties of jute fiber-reinforced epoxy (LY556) composites. FME Transactions, 2019, 47, 83-88.	0.7	7
42	Superhydrophobic surfaces: a review on fundamentals, applications, and challenges. Journal of Coatings Technology Research, 2018, 15, 231-250.	1.2	388
43	Surface roughness and corrosion characterisation of multi-walled carbon-nanotube-reinforced zirconium composite coated over SS316L. International Journal of Ambient Energy, 2018, 39, 54-57.	1.4	6
44	Energy saving in high-pressure reciprocating air compressor. International Journal of Ambient Energy, 2018, 39, 188-193.	1.4	2
45	Computational investigation of flow parameters and efficiency of single and double inlet cyclone separators. International Journal of Ambient Energy, 2018, 39, 707-712.	1.4	3
46	Effect of Polyurea Coating on Corrosion Resistance Over Mild Steel and Aluminium Substrates for Liquid Storage Applications. Molecular Crystals and Liquid Crystals, 2018, 670, 60-73.	0.4	15
47	Experimental investigation of the suitability of 1-butanol blended with biodiesel as an alternative biofuel in diesel engines. Biocatalysis and Agricultural Biotechnology, 2018, 15, 72-77.	1.5	27
48	Effect of Olive oil Concentrations on film properties of edible composite films prepared from Corn starch and Olive oil. Research Journal of Pharmacy and Technology, 2018, 11, 4934.	0.2	11
49	Various strategies for reducing NO <sub>x</sub> emissions of biodiesel fuel used in conventional diesel engines: A review. Chemical Engineering Communications, 2017, 204, 1202-1223.	1.5	77
50	Enhancement of uniform temperature distribution during casting solidification by methoding process. International Journal of Ambient Energy, 2017, 38, 774-780.	1.4	8
51	Engine Performance and Emission Characteristics of 1-Octanol Blended Bio-Diesel in a Single Cylinder Diesel Engine. International Journal of Mechanical and Production Engineering Research and Development, 2017, 7, 623-630.	0.1	3
52	Influence of Rice Husk Nanoparticles on Engine Performance and Emission Characteristics of Diesel and Neem Oil Biodiesel Blends in a Single Cylinder Diesel Engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	1.2	6
53	The empirical correlation between the parameters influencing the performance and emissions of CI engine run by aqueous nanofluid fuel blends using response surface methodology. Petroleum Science and Technology, 0, , 1-16.	0.7	2