

Melvin Victor Depoures

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28 papers	449 citations	11 h-index	20 g-index
31 ext. papers	755 ext. citations	3.2 avg, IF	4.47 L-index

#	Paper	IF	Citations
28	1-Hexanol as a sustainable biofuel in DI diesel engines and its effect on combustion and emissions under the influence of injection timing and exhaust gas recirculation (EGR). <i>Applied Thermal Engineering</i> , 2017 , 113, 1505-1513	5.8	103
27	Using renewable n-octanol in a non-road diesel engine with some modifications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 41, 1194-1208	1.6	44
26	Prediction and optimization of engine characteristics of a DI diesel engine fueled with cyclohexanol/diesel blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 2006-2017	1.6	31
25	Comparative account of the effects of two high carbon alcohols (C5 & C6) on combustion, performance and emission characteristics of a DI diesel engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 1772-1784	1.6	29
24	Utilization of waste plastic oil in diesel engines: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2019 , 18, 681-697	13.9	28
23	Effect of Silicon Coupling Grafted Ferric Oxide and E-Glass Fibre in Thermal Stability, Wear and Tensile Fatigue Behaviour of Epoxy Hybrid Composite. <i>Silicon</i> , 2020 , 12, 2533-2544	2.4	27
22	Collective influence of 1-decanol addition, injection pressure and EGR on diesel engine characteristics fueled with diesel/LDPE oil blends. <i>Fuel</i> , 2020 , 277, 118166	7.1	23
21	Performance and emission study of a single cylinder diesel engine fuelled with n-octanol/WPO with some modifications. <i>International Journal of Ambient Energy</i> , 2021 , 42, 779-788	2	22
20	Effect of retarded injection timing and EGR on performance, combustion and emission characteristics of a CRDi diesel engine fueled with WHDPE oil/diesel blends. <i>Fuel</i> , 2020 , 278, 118304	7.1	19
19	Effective utilization of waste plastic oil/n-hexanol in an off-road, unmodified DI diesel engine and evaluating its performance, emission, and combustion characteristics. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 1375-1390	1.6	19
18	Effect of anisole addition to waste cooking oil methyl ester on combustion, emission and performance characteristics of a DI diesel engine without any modifications. <i>Fuel</i> , 2020 , 278, 118315	7.1	13
17	A comprehensive study on the effects of multiple injection strategies and exhaust gas recirculation on diesel engine characteristics that utilize waste high density polyethylene oil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-18	1.6	10
16	Synthesis and Characterization of Polypropylene/Ramie Fiber with Hemp Fiber and Coir Fiber Natural Biopolymer Composite for Biomedical Application. <i>International Journal of Polymer Science</i> , 2021 , 2021, 1-8	2.4	10
15	Multi-objective optimization of performance and emission characteristics of a CRDI diesel engine fueled with sapota methyl ester/diesel blends. <i>Energy</i> , 2022 , 250, 123709	7.9	9
14	Comparative analysis on the effect of 1-decanol and di-n-butyl ether as additive with diesel/LDPE blends in compression ignition engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-18	1.6	8
13	A comparative assessment of performance and emission characteristics of a DI diesel engine fuelled with ternary blends of two higher alcohols with lemongrass oil biodiesel and diesel fuel. <i>Energy and Environment</i> , 0958305X2110513	2.4	8
12	Optimization on Operation Parameters in Reinforced Metal Matrix of AA6066 Composite with HSS and Cu. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-12	1.5	8

11	Characterization of Natural Cellulosic Fibers from Stem of Symphirema Involucratum Plant. <i>Journal of Natural Fibers</i> , 1-16	1.8	8
10	Tensile and flexural behaviour of glass fibre reinforced plastic Aluminium hybrid laminate manufactured by vacuum resin transfer moulding technique (VARTM). <i>Materials Today: Proceedings</i> , 2021 , 37, 2132-2140	1.4	7
9	A comprehensive study on the effects of 1-decanol, compression ratio and exhaust gas recirculation on diesel engine characteristics powered with low density polyethylene oil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021 , 43, 3064-3081	1.6	7
8	Comprehensive characterization of raw and alkali (NaOH) treated natural fibers from Symphirema involucratum stem. <i>International Journal of Biological Macromolecules</i> , 2021 , 186, 886-896	7.9	7
7	Investigation of mechanical properties and corrosion performance of CNT coated on EN8 mild steel. <i>Materials Today: Proceedings</i> , 2021 , 46, 4224-4227	1.4	3
6	Mechanical properties analysis of hybrid composites prepared by stir casting approach. <i>Materials Today: Proceedings</i> , 2021 , 46, 4215-4218	1.4	1
5	Analysis and prediction of cutting force through lathe tool dynamometer in CNC turning process. <i>Materials Today: Proceedings</i> , 2021 , 46, 4174-4179	1.4	1
4	Combined Effect of Compression Ratio and Fuel Injection Pressure on CI Engine Equipped with CRDi System Using Prosopis juliflora Methyl Ester/Diesel Blends. <i>International Journal of Chemical Engineering</i> , 2022 , 2022, 1-12	2.2	1
3	Comparison of yield strength, ultimate tensile strength and shear strength on the annealed and heat-treated composites of stainless steel with fly ash and ZnO. <i>Materials Today: Proceedings</i> , 2021 , 46, 4305-4308	1.4	0
2	Investigation on augmentation of mechanical properties of AA6262 aluminium alloy composite with magnesium oxide and silicon carbide. <i>Materials Today: Proceedings</i> , 2021 , 46, 4322-4325	1.4	0
1	A Comprehensive Study on the Effect of Dimethyl Carbonate Oxygenate and EGR on Emission Reduction, Combustion Analysis, and Performance Enhancement of a CRDI Diesel Engine Using a Blend of Diesel and Prosopis juliflora Biodiesel. <i>International Journal of Chemical Engineering</i> , 2022 , 2022, 1-12	2.2	0