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S. No	Title	Authors	Name of the Journal	Year (YY/MM/DD)
1	Experimental investigation of antioxidant effect on oxidation stability and emissions in a methyl ester of neem oil fueled DI diesel engine	G Balaji, M Cheralathan	Renewable Energy	2015/2/1
2	<u>Effect of the phase change material in a solar receiver on thermal performance of parabolic dish collector</u>	Ramalingam Senthil, Marimuthu Cheralathan	Thermal Science	2017
3	Effect of CNT as additive with biodiesel on the performance and emission characteristics of a DI diesel engine	G Balaji, M Cheralathan	International Journal of ChemTech Research	2015
4	Effect of non-uniform temperature distribution on surface absorption receiver in parabolic dish solar concentrator	Ramalingam Senthil, Marimuthu Cheralathan	Thermal Science	2017
5	Natural heat transfer enhancement methods in phase change material based thermal energy storage	Ramalingam Senthil, Marimuthu Cheralathan	International Journal of ChemTech Research	2016
6	Influence of the size of spherical capsule on	P Chandrasekaran, M Cheralathan, R Velraj	Energy	2015/10/1



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	solidification characteristics of DI (deionized water) water for a cool thermal energy storage system—An experimental study			
7	Effect of fill volume on solidification characteristics of DI (deionized) water in a spherical capsule—An experimental study	P Chandrasekaran, M Cheralathan, R Velraj	Energy	2015/10/1
8	Effect of aspect ratio on thermal performance of cavity receiver for solar parabolic dish concentrator: An experimental study	Thirunavukkarasu Venkatachalam, M Cheralathan	Renewable energy	2019/8/1
9	<u>Enhancement of the thermal energy storage capacity of a parabolic dish concentrated solar receiver using phase change materials</u>	R Senthil, M Cheralathan	Journal of Energy Storage	2019/10/1
10	Influence of alumina oxide nanoparticles on the performance and emissions in a methyl ester of neem oil fuelled direct injection Diesel engine	Gnanasikamani Balaji, Marimuthu Cheralathan	Thermal Science	2017



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11	Effect of once-through and recirculated fluid flow on thermal performance of parabolic dish solar receiver	Ramalingam Senthil, Marimuthu Cheralathan	Indian Journal of Science and Technology	2016/9
12	Simultaneous testing of a parabolic dish concentrated PCM and non-PCM solar receiver	R Senthil, M Cheralathan	International Journal of Mechanical and Production Engineering Research and Development	2017/11
13	The effect of antioxidant additives with methyl ester of neem oil on the oxidation stability	G Balaji, M Cheralathan	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2016/8/17
14	An experimental study on energy and exergy performance of a spiral tube receiver for solar parabolic dish concentrator	V Thirunavukkarasu, M Cheralathan	Energy	2020/2/1
15	<u>Experimental investigation of varying the fuel injection pressure in a direct injection diesel engine fuelled with methyl ester of neem oil</u>	G Balaji, M Cheralathan	International Journal of Ambient Energy	2017/5/19
16	Experimental study of effect of isobutanol in performance, combustion and emission characteristics of CI	V Mathan Raj, LR Ganapathy Subramanian, G Manikandaraja	Alexandria engineering journal	2018/9/1



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	engine fuelled with cotton seed oil blended diesel			
17	<u>An experimental study on energy and exergy performance of a cavity receiver for solar parabolic dish concentrator</u>	V Thirunavukkarasu, M Sornanathan, M Cheralathan	International Journal of Exergy	2017
18	Enhancement of heat absorption rate of direct absorption solar collector using graphite nanofluid	Ramalingam Senthil, Marimuthu Cheralathan	International Journal of ChemTech Research	2016
19	Thermal performance enhancement of solar air collector using a novel V-groove absorber plate with pin-fins for drying agricultural products: an experimental study	P Sudhakar, M Cheralathan	Journal of Thermal Analysis and Calorimetry	2019/11/14
20	Experimental investigation to reduce exhaust emissions in a single cylinder CI engine fuelled with methyl ester of neem oil using antioxidant (L-ascorbic acid)	G Balaji, M Cheralathan	Biofuels	2016/5/3
21	Thermal performance of solid and liquid energy storage materials in a parabolic dish solar cooker	RAMALINGAM Senthil, Marimuthu Cheralathan	Int J Chem Sci	2016



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22	Simultaneous Reduction of NO <sub>x</sub> and HC Emissions in a CI Engine Fueled with Methyl Ester of Neem Oil Using Ethylenediamine as Antioxidant Additive	G Balaji, M Cheralathan	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2015/12/17
23	<u>Effect of container size on thermal performance of sugar alcohol (D-Mannitol) in concentrated solar receiver</u>	RAMALINGAM Senthil, MARIMUTHU Cheralathan	International Journal of Chemical Sciences, 14 (4)	2016
24	Thermal performance of solar parabolic dish concentrator with hetero-conical cavity receiver	V Thirunavukkarasu, M Cheralathan	Applied Mechanics and Materials	2015
25	Simultaneous Reduction of NO <sub>x</sub> and HC Emissions in a CI Engine Fueled with Methyl Ester of Neem Oil Using Ethylenediamine as Antioxidant Additive	G Balaji, M Cheralathan	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2015/12/17
26	Effect of container size on thermal performance of sugar alcohol (D-Mannitol) in concentrated solar receiver	RAMALINGAM Senthil, MARIMUTHU Cheralathan	International Journal of Chemical Sciences, 14 (4)	2016
27	Thermal performance of solar parabolic dish concentrator with hetero-conical cavity receiver	V Thirunavukkarasu, M Cheralathan	Applied Mechanics and Materials	2015



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28	Analysis of solar flat plate collector with straight and helical flow path heat tube using mathematical modeling and java based simulation	C Prabhu, P Sudhakar, G Balaji, M Cheralathan	Proceedings of the 2nd International Conference on Advanced Mechanical Engineering (ICAME)	2018
29	Experimental mitigation of NO <sub>x</sub> emission in exhaust gases of CI engine fuelled with methyl ester of cottonseed oil blend	G Balaji, K Suresh Kumar, M Cheralathan	International Journal of Ambient Energy	2020/10/14
30	Encapsulated PCM based double pass solar air heater: A comparative experimental study	P Sudhakar, M Cheralathan	Chemical Engineering Communications	2019/7/13
31	Experimental study of a solar dryer with different flow patterns of air in the drying chamber	Syed Mohammed Shamiq, P Sudhakar, M Cheralathan	IOP Conference Series: Materials Science and Engineering	2018
32	Influence of thermal transport properties of NEPCM for cool thermal energy storage system	A Sathishkumar, M Cheralathan	Journal of Thermal Analysis and Calorimetry	2020/10/29
33	Experimental study on heat losses from external type receiver of a solar parabolic dish collector	V Thirunavukkarasu, M Cheralathan	MS&E	2018/8
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