Venkateshwarlu Chintala

List of Publications by Year
in descending order

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33	1,225	394421	477307
papers	citations	19 h-index	29 g-index

34	34	34	948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comprehensive review on utilization of hydrogen in a compression ignition engine under dual fuel mode. Renewable and Sustainable Energy Reviews, 2017, 70, 472-491.	16.4	133
2	A technical review on waste heat recovery from compression ignition engines using organic Rankine cycle. Renewable and Sustainable Energy Reviews, 2018, 81, 493-509.	16.4	107
3	Assessment of maximum available work of a hydrogen fueled compression ignition engine using exergy analysis. Energy, 2014, 67, 162-175.	8.8	95
4	Solar thermal pyrolysis of non-edible seeds to biofuels and their feasibility assessment. Energy Conversion and Management, 2017, 153, 482-492.	9.2	88
5	Hydrogen energy share improvement along with NOx (oxides of nitrogen) emission reduction in a hydrogen dual-fuel compression ignition engine using water injection. Energy Conversion and Management, 2014, 83, 249-259.	9.2	85
6	Experimental investigations on effect of different compression ratios on enhancement of maximum hydrogen energy share in a compression ignition engine under dual-fuel mode. Energy, 2015, 87, 448-462.	8.8	79
7	Production, upgradation and utilization of solar assisted pyrolysis fuels from biomass â€“ A technical review. Renewable and Sustainable Energy Reviews, 2018, 90, 120-130.	16.4	79
8	A CFD (computational fluid dynamics) study for optimization of gas injector orientation for performance improvement of a dual-fuel diesel engine. Energy, 2013, 57, 709-721.	8.8	60
9	An effort to enhance hydrogen energy share in a compression ignition engine under dual-fuel mode using low temperature combustion strategies. Applied Energy, 2015, 146, 174-183.	10.1	57
10	Experimental investigation of hydrogen energy share improvement in a compression ignition engine using water injection and compression ratio reduction. Energy Conversion and Management, 2016, 108, 106-119.	9.2	49
11	A comparative assessment of single cylinder diesel engine characteristics with plasto-oils derived from municipal mixed plastic waste. Energy Conversion and Management, 2018, 166, 579-589.	9.2	44
12	Assessment of performance, combustion and emission characteristics of a direct injection diesel engine with solar driven Jatropha biomass pyrolysed oil. Energy Conversion and Management, 2017, 148, 611-622.	9.2	42
13	CFD analysis on effect of localized in-cylinder temperature on nitric oxide (NO) emission in a compression ignition engine under hydrogen-diesel dual-fuel mode. Energy, 2016, 116, 470-488.	8.8	41
14	Review of catalyst materials in achieving the liquid hydrocarbon fuels from municipal mixed plastic waste (MMPW). Materials Today Communications, 2020, 24, 100982.	1.9	39
15	Experimental investigation of autoignition of hydrogen-air charge in a compression ignition engine under dual-fuel mode. Energy, 2017, 138, 197-209.	8.8	31
16	Hydrogen rich exhaust gas recirculation (H2EGR) for performance improvement and emissions reduction of a compression ignition engine. International Journal of Hydrogen Energy, 2019, 44, 18545-18558.	7.1	27
17	Combustion and emissions behaviour assessment of a partially premixed charge compression ignition (PCCI) engine with diesel and fumigated ethanol. Energy Procedia, 2019, 160, 590-596.	1.8	26
18	Performance and emission characteristics of a diesel engine using complementary blending of castor and karanja biodiesel. Biofuels, 2018, 9, 53-60.	2.4	25

#	Article	IF	Citations
19	Experimental investigation on effect of enhanced premixed charge on combustion characteristics of a direct injection diesel engine. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2014, 6, 3-16.	1.1	24
20	Thermochemical pyrolysis of biomass using solar energy for efficient biofuel production: a review. Biofuels, 2021, 12, 125-134.	2.4	19
21	Effect of novel fuel vaporiser technology on engine characteristics of partially premixed charge compression ignition (PCCI) engine with toroidal combustion chamber. Fuel, 2022, 315, 123197.	6.4	15
22	Effect of injection timing on performance and emission characteristics of single cylinder diesel engine running on blends of diesel and waste plastic fuels. Materials Today: Proceedings, 2019, 17, 209-215.	1.8	13
23	Influence of flame quenching and crevice gas on hydrocarbon emission formation in an enriched biogas dual-fuel engine â€“ An experimental and theoretical investigation. Fuel, 2020, 277, 118084.	6.4	11
24	Technical barriers and their solutions for deployment of HCCI engine technologies â€“ a review. International Journal of Ambient Energy, 2021, 42, 1922-1935.	2.5	10
25	Experimental study on performance and emissions characteristics of single cylinder diesel engine with ethanol and biodiesel blended fuels with diesel. Materials Today: Proceedings, 2019, 17, 220-226.	1.8	9
26	Direct utilization of preheated deep fried oil in an indirect injection compression ignition engine with waste heat recovery framework. Energy, 2022, 242, 122910.	8.8	6
27	Efficiency and effectiveness enhancement of an intercooler of twoâ€stage air compressor by lowâ€cost Al₂O₃/water nanofluids. Heat Transfer, 2020, 49, 2577-2594.	3.0	4
28	Recent developments, challenges and opportunities for harnessing solar renewable energy for thermal Enhanced Oil Recovery (EOR). Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 2878-2895.	2.3	3
29	Augmenting the signal processingâ€“based mitigation techniques for removing wind turbine and radar interference. Wind Engineering, 2022, 46, 670-680.	1.9	1
30	Glasshouse-enclosed parabolic trough for direct steam generation for solar thermal-enhanced oil recovery (EOR) â€“ energy performance assessment. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-24.	2.3	1
31	Investigation of partially pre-mixed charge compression ignition engine characteristics implemented with toroidal combustion chamber and exhaust gas recirculation. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19.	2.3	1
32	Direct Steam Generation by an Enclosed Solar Parabolic Trough for Enhanced Oil Recovery. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 189-198.	0.5	1
33	Exergy performance assessment of direct steam generation with glasshouse enclosed parabolic trough installation used for solar thermal Enhanced Oil Recovery (EOR) application. Australian Journal of Mechanical Engineering, 0, , 1-18.	2.1	0