

# Venkateshwarlu Chintala

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8147438/publications.pdf>

Version: 2024-02-01

33  
papers

1,225  
citations

394421

19  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Augmenting the signal processing-based mitigation techniques for removing wind turbine and radar interference. <i>Wind Engineering</i> , 2022, 46, 670-680.	1.9	1
2	Direct utilization of preheated deep fried oil in an indirect injection compression ignition engine with waste heat recovery framework. <i>Energy</i> , 2022, 242, 122910.	8.8	6
3	Effect of novel fuel vaporiser technology on engine characteristics of partially premixed charge compression ignition (PCCI) engine with toroidal combustion chamber. <i>Fuel</i> , 2022, 315, 123197.	6.4	15
4	Recent developments, challenges and opportunities for harnessing solar renewable energy for thermal Enhanced Oil Recovery (EOR). <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021, 43, 2878-2895.	2.3	3
5	Technical barriers and their solutions for deployment of HCCI engine technologies – a review. <i>International Journal of Ambient Energy</i> , 2021, 42, 1922-1935.	2.5	10
6	Thermochemical pyrolysis of biomass using solar energy for efficient biofuel production: a review. <i>Biofuels</i> , 2021, 12, 125-134.	2.4	19
7	Glasshouse-enclosed parabolic trough for direct steam generation for solar thermal-enhanced oil recovery (EOR) – energy performance assessment. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, , 1-24.	2.3	1
8	Efficiency and effectiveness enhancement of an intercooler of two-stage air compressor by low-cost Al <sub>2</sub> O <sub>3</sub> /water nanofluids. <i>Heat Transfer</i> , 2020, 49, 2577-2594.	3.0	4
9	Influence of flame quenching and crevice gas on hydrocarbon emission formation in an enriched biogas dual-fuel engine – An experimental and theoretical investigation. <i>Fuel</i> , 2020, 277, 118084.	6.4	11
10	Review of catalyst materials in achieving the liquid hydrocarbon fuels from municipal mixed plastic waste (MMPW). <i>Materials Today Communications</i> , 2020, 24, 100982.	1.9	39
11	Direct Steam Generation by an Enclosed Solar Parabolic Trough for Enhanced Oil Recovery. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2020, , 189-198.	0.5	1
12	Combustion and emissions behaviour assessment of a partially premixed charge compression ignition (PCCI) engine with diesel and fumigated ethanol. <i>Energy Procedia</i> , 2019, 160, 590-596.	1.8	26
13	Effect of injection timing on performance and emission characteristics of single cylinder diesel engine running on blends of diesel and waste plastic fuels. <i>Materials Today: Proceedings</i> , 2019, 17, 209-215.	1.8	13
14	Experimental study on performance and emissions characteristics of single cylinder diesel engine with ethanol and biodiesel blended fuels with diesel. <i>Materials Today: Proceedings</i> , 2019, 17, 220-226.	1.8	9
15	Hydrogen rich exhaust gas recirculation (H <sub>2</sub> EGR) for performance improvement and emissions reduction of a compression ignition engine. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 18545-18558.	7.1	27
16	Production, upgradation and utilization of solar assisted pyrolysis fuels from biomass – A technical review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 120-130.	16.4	79
17	A comparative assessment of single cylinder diesel engine characteristics with plasto-oils derived from municipal mixed plastic waste. <i>Energy Conversion and Management</i> , 2018, 166, 579-589.	9.2	44
18	Performance and emission characteristics of a diesel engine using complementary blending of castor and karanja biodiesel. <i>Biofuels</i> , 2018, 9, 53-60.	2.4	25

#	ARTICLE	IF	CITATIONS
19	A technical review on waste heat recovery from compression ignition engines using organic Rankine cycle. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 493-509.	16.4	107
20	A comprehensive review on utilization of hydrogen in a compression ignition engine under dual fuel mode. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 472-491.	16.4	133
21	Solar thermal pyrolysis of non-edible seeds to biofuels and their feasibility assessment. <i>Energy Conversion and Management</i> , 2017, 153, 482-492.	9.2	88
22	Experimental investigation of autoignition of hydrogen-air charge in a compression ignition engine under dual-fuel mode. <i>Energy</i> , 2017, 138, 197-209.	8.8	31
23	Assessment of performance, combustion and emission characteristics of a direct injection diesel engine with solar driven <i>Jatropha</i> biomass pyrolysed oil. <i>Energy Conversion and Management</i> , 2017, 148, 611-622.	9.2	42
24	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. <i>Energy</i> , 2016, 116, 470-488.	8.8	41
25	Experimental investigation of hydrogen energy share improvement in a compression ignition engine using water injection and compression ratio reduction. <i>Energy Conversion and Management</i> , 2016, 108, 106-119.	9.2	49
26	Experimental investigations on effect of different compression ratios on enhancement of maximum hydrogen energy share in a compression ignition engine under dual-fuel mode. <i>Energy</i> , 2015, 87, 448-462.	8.8	79
27	An effort to enhance hydrogen energy share in a compression ignition engine under dual-fuel mode using low temperature combustion strategies. <i>Applied Energy</i> , 2015, 146, 174-183.	10.1	57
28	Assessment of maximum available work of a hydrogen fueled compression ignition engine using exergy analysis. <i>Energy</i> , 2014, 67, 162-175.	8.8	95
29	Hydrogen energy share improvement along with NO <sub>x</sub> (oxides of nitrogen) emission reduction in a hydrogen dual-fuel compression ignition engine using water injection. <i>Energy Conversion and Management</i> , 2014, 83, 249-259.	9.2	85
30	Experimental investigation on effect of enhanced premixed charge on combustion characteristics of a direct injection diesel engine. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2014, 6, 3-16.	1.1	24
31	A CFD (computational fluid dynamics) study for optimization of gas injector orientation for performance improvement of a dual-fuel diesel engine. <i>Energy</i> , 2013, 57, 709-721.	8.8	60
32	Exergy performance assessment of direct steam generation with glasshouse enclosed parabolic trough installation used for solar thermal Enhanced Oil Recovery (EOR) application. <i>Australian Journal of Mechanical Engineering</i> , 0, , 1-18.	2.1	0
33	Investigation of partially pre-mixed charge compression ignition engine characteristics implemented with toroidal combustion chamber and exhaust gas recirculation. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-19.	2.3	1