

Srinivas Vadapalli

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

754
citations

516710
16
h-index

610901
24
g-index

61
all docs

61
docs citations

61
times ranked

440
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of dispersant added nanoparticle additives with diesel-biodiesel blend on direct injection compression ignition engine: Combustion, engine performance, and exhaust emissions approach. Energy, 2021, 224, 120197.	8.8	58
2	A comprehensive study on thermal stability and magnetic properties of MnZn-ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 475, 290-303.	2.3	56
3	Nanofluids with CNTs for automotive applications. Heat and Mass Transfer, 2016, 52, 701-712.	2.1	46
4	Experimental Investigations on Performance, Combustion, and Emission Characteristics of Niger (Guizotia abyssinica) Seed Oil Methyl Ester Blends with Diesel at Different Compression Ratios. Arabian Journal for Science and Engineering, 2019, 44, 5263-5273.	3.0	35
5	Antiwear, Antifricition, and Extreme Pressure Properties of Motor Bike Engine Oil Dispersed with Molybdenum Disulfide Nanoparticles. Tribology Transactions, 2017, 60, 12-19.	2.0	31
6	Experimental study and analysis of lubricants dispersed with nano Cu and TiO ₂ in a four-stroke two wheeler. Nanoscale Research Letters, 2011, 6, 233.	5.7	25
7	Combustion Characteristics of Direct Injection Diesel Engine Fueled with Dispersant-mixed Al ₂ O ₃ Nanoparticle-added Biodiesel Blend. International Journal of Thermophysics, 2021, 42, 1.	2.1	25
8	Combustion, vibration, and noise characteristics of direct injection VCR diesel engine fuelled with Mesua ferrea oil methyl ester blends. International Journal of Ambient Energy, 2022, 43, 1569-1580.	2.5	24
9	Experimental studies on the performance and emission parameters of a direct injection diesel engine fuelled with nanoparticle-dispersed biodiesel blend. Nanotechnology for Environmental Engineering, 2021, 6, 1.	3.3	23
10	Transitional Cell Carcinoma in a Urethral Diverticulum with a Calculus. Journal of Urology, 1983, 129, 372-373.	0.4	22
11	Azumaya algebras with involutions. Journal of Algebra, 1990, 130, 65-82.	0.7	22
12	Investigations on performance and emission parameters of direct injection diesel engine running with Mesua ferrea oil methyl ester blends. SN Applied Sciences, 2019, 1, 1.	2.9	20
13	Physical properties of icosahedral Al-Cr-Fe-Ge alloys. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1990, 61, 177-188.	0.6	18
14	A correlation to predict heat transfer coefficient in nucleate boiling on cylindrical heating elements. International Journal of Thermal Sciences, 2008, 47, 347-354.	4.9	18
15	Corrosion, mechanical and thermal properties of aluminium alloy metal matrix nano composites (AA-MMNCs) with multi-walled carbon nanotubes. SN Applied Sciences, 2020, 2, 1.	2.9	18
16	Effect of Ultrasonic Stir Casting Technique on Mechanical and Tribological Properties of Aluminium-Multi-walled Carbon Nanotube Nanocomposites. Journal of Bio- and Tribo-Corrosion, 2020, 6, 1.	2.6	18
17	A correlation to evaluate critical heat flux in small diameter tubes under subcooled conditions of the coolant. International Journal of Heat and Mass Transfer, 2006, 49, 42-51.	4.8	17
18	Experimental study on direct injection diesel engine fuelled with ferric chloride nanoparticle dispersed Cassia Fistula biodiesel blend. International Journal of Energy and Environmental Engineering, 2022, 13, 179-189.	2.5	17

#	ARTICLE	IF	CITATIONS
19	Vibration and noise characteristics of CI engine fueled with Niger seed oil methyl ester blends and hydrogen. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1529-1536.	3.5	16
20	Experimental Explorations of Dual Fuel CI Engine Operating with Guizotia abyssinica Methyl Esterâ€ Diesel Blend (B20) and Hydrogen at Different Compression Ratios. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 10195-10205.	3.0	15
21	Three-Dimensional CFD Modeling of Serpentine Flow Field Configurations for PEM Fuel Cell Performance. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 11687-11700.	3.0	15
22	Emission and vibration characteristics of Niger seed oil biodiesel fueled diesel engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2019, 13, 5862-5874.	0.6	15
23	Fouling and its effect on the thermal performance of heat exchanger tubes. <i>International Journal of Heat and Technology</i> , 2017, 35, 509-519.	0.6	13
24	Vibration and Noise Study on the Direct Injection Compression Ignition Engine Running with Nanoparticle Dispersed Abrus precatorius Biodiesel Blend. <i>Silicon</i> , 2022, 14, 4887-4897.	3.3	12
25	Tribological Studies of Transmission Oil Dispersed With Molybdenum Disulfide and Tungsten Disulfide Nanoparticles. <i>Journal of Tribology</i> , 2017, 139, .	1.9	11
26	Artificial neural networks approach on vibration and noise parameters assessment of flaxseed oil biodiesel fuelled CI engine. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2365-2376.	3.5	11
27	⁵⁷ Fe Mössbauer-effect studies of quadrupole splitting distributions in icosahedral Al-TM-Fe quasicrystals. <i>Hyperfine Interactions</i> , 1990, 60, 785-790.	0.5	10
28	Magnetic properties of icosahedral Al-Cr-Mn-Ge alloys. <i>Physical Review B</i> , 1990, 41, 6933-6938.	3.2	10
29	Effect of Size of Multiwalled Carbon Nanotubes Dispersed in Gear Oils for Improvement of Tribological Properties. <i>Advances in Tribology</i> , 2018, 2018, 1-13.	2.1	10
30	Lubricating and physico-chemical properties of CI- 4 plus engine oil dispersed with surface modified multi-walled carbon nanotubes. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2018, 12, 107-114.	1.4	9
31	Investigation of tribological properties and engine performance of polyol esterâ€ based bio-lubricant: Commercial motorbike engine oil blends. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020, 234, 1304-1317.	1.9	9
32	Comprehensive performance, combustion, emission, and vibration parameters assessment of diesel engine fuelled with a hybrid of niger seed oil biodiesel and hydrogen: response surface methodology approach. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	9
33	Water based nanofluids for automotive applications. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 3417-3426.	1.5	7
34	Hyperfine field distributions in ferromagnetic quasicrystals. <i>Hyperfine Interactions</i> , 1990, 59, 411-414.	0.5	6
35	Magnetic moments and hyperfine fields in a-Fe _{1-x} Cr _x B _{1-x} Si alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1990, 92, 92-100.	2.3	6
36	Stability and Thermo-Physical Properties of Ethylene Glycol Based Nanofluids for Solar Thermal Applications. <i>International Journal of Heat and Technology</i> , 2021, 39, 137-144.	0.6	6

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37	H2O2 as fuel additive in bio-diesel for emission reduction and performance enhancement of variable compression ratio (VCR) diesel engine. Materials Today: Proceedings, 2021, 47, 5697-5700.	1.8	6
38	Correlation for Heat Transfer in Nucleate Boiling on Horizontal Cylindrical Surface. Heat Transfer Engineering, 2010, 31, 449-457.	1.9	5
39	Corrosion and Heat Transfer Characteristics of Water Dispersed with Carboxylate Additives and Multi Walled Carbon Nano Tubes. Journal of the Institution of Engineers (India): Series C, 2016, 97, 569-577.	1.2	5
40	Physicochemical properties and tribological performance of motorbike lubricant dispersed with surface-modified WS ₂ nanoparticles. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 1379-1388.	1.8	5
41	Effect of fuel injection pressure on the diesel engine fuelled with Moringa oleifera oil biodiesel blends: vibration and noise study. International Journal of Dynamics and Control, 2021, 9, 503-510.	2.5	5
42	Combustion and vibration study of a direct injection compression ignition engine fuelled with <i>Moringa oleifera</i> biodieselâ€ diesel blends. International Journal of Ambient Energy, 2022, 43, 6142-6148.	2.5	5
43	Influence of FeCl3 Nanoparticle Dispersion in Cassia fistula Biodiesel Blend on the Analysis of Vibration and Noise Intensity of a Diesel Engine. Journal of Vibration Engineering and Technologies, 2022, 10, 1531-1539.	2.2	5
44	Stress Analysis of Domestic Composite LPG Cylinder Using Classical Lamination Theory (CLT). International Journal of Engineering and Technology(UAE), 2018, 7, 68.	0.3	4
45	Mechanical, Anticorrosion, and Tribological Properties of Nanostructured WC-Co/Cr3C2-NiCr Multilayered Graded Coating on Aluminum Substrate. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 1985-1994.	2.2	4
46	Metallography, Microstructure, and Wear Analysis of AA 6063/TiC Composites for Augmented Dry Sliding Property at Room Temperature. Metallography, Microstructure, and Analysis, 2020, 9, 140-151.	1.0	4
47	Discretization Analysis of a Composite GFRP Cylinder. International Journal of Engineering and Technology(UAE), 2018, 7, 277.	0.3	3
48	Mechanical, corrosion and cavitation erosion properties of LM 9 grade aluminium â€ multi-walled carbon nanotubes composites. Australian Journal of Mechanical Engineering, 2022, 20, 1126-1135.	2.1	3
49	The Investigations on Aluminium Substrates Coated With Micro-Sized WC-Co /Cr3C2-NiCr Multi-Layered Hard Coating. International Journal of Mechanical and Production Engineering Research and Development, 2019, 9, 859-868.	0.1	3
50	Analysis of Pin-Fin Geometry Effect on Microchannel Heat Sink Performance. International Journal of Mechanical and Production Engineering Research and Development, 2018, 8, 653-666.	0.1	3
51	Anti Friction Properties of Motor Oil Dispersed with WS ₂ and MoS ₂ Nanoparticles. Applied Mechanics and Materials, 0, 592-594, 1272-1276.	0.2	2
52	Corrosion characteristics of an automotive coolant formulation dispersed with nanomaterials. Corrosion Reviews, 2019, 37, 245-257.	2.0	2
53	Effect of Catalyst on Transesterification of Niger Seed Oil Methyl Ester. International Journal of Mechanical and Production Engineering Research and Development, 2018, 8, 309-316.	0.1	2
54	Performance study of an evaporator tube working under high heat fluxes. International Journal of Heat and Mass Transfer, 2006, 49, 5027-5034.	4.8	1

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55	Experimental studies on a metal hydride-based single bed sorption cryocooler. Heat Transfer - Asian Research, 2019, 48, 3590-3599.	2.8	1
56	Artificial neural networks applications in prediction of performance, combustion, emissions, vibrations and noise parameters of VCR diesel engine using Niger seed oil methyl ester blends and hydrogen in dual fuel mode. International Journal of Ambient Energy, 2022, 43, 5297-5308.	2.5	1
57	Finite Element Method for the Parametric Exploration of Domestic Composite Liquid Petroleum Gas Cylinder With Steel. International Journal of Innovative Technology and Exploring Engineering, 2019, 8, 3665-3669.	0.3	1
58	PREDICTION OF THERMO-PHYSICAL PROPERTIES OF SOLAR THERMIC FLUIDS DISPERSED WITH CARBON NANOTUBES USING ARTIFICIAL NEURAL NETWORKS. JP Journal of Heat and Mass Transfer, 2019, 18, 1-16.	0.2	1
59	Numerical Investigations for the Effect of Cold and Hot Air on Various Parameters of Flow through A Super Sonic Nozzle at Higher Altitudes. International Journal of Mechanical and Production Engineering Research and Development, 2017, 7, 21-44.	0.1	0
60	Experimental Investigations of Longitudinal and Twisted Tape Inserts for Augmentation of Heat Transfer. International Journal of Mechanical and Production Engineering Research and Development, 2017, 7, 195-206.	0.1	0
61	Performance improvement of variable compression ratio diesel engine using H ₂ O ₂ as fuel additive. International Journal of Nanotechnology, 2021, 18, 1007.	0.2	0