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TITLE	CITED BY	YEAR
Optimization of processing parameters in electrochemical machining of AISI 202 using response surface methodology V Sathiyamoorthy, T Sekar, P Suresh, R Vijayan, N Elango Journal of Engineering Science and Technology 10 (6), 780-789	13	2015
Experimental Study on Energy Recovery from Condenser Unit of Small Capacity Domestic Refrigerator P Elumalai, R Vijayan, KK Ramasamy, M Premkumar Middle-East Journal of Scientific Research 23 (3), 417-420	11	2015
Analysis of eco friendly refrigerants usage in air-conditioner C Chinnaraj, R Vijayan, P Govindarajan American Journal of Environmental Sciences 7 (6), 510	11	2011
Experimental studies on the combustion characteristics and performance of a DI diesel engine using kapok oil methyl ester/diesel blends MA Asokan, R Vijayan, SS Prabu, N Venkatesan International Journal of Oil, Gas and Coal Technology 12 (1), 105-119	7	2016
Influence of internal heat exchanger on performance of window AC retrofitted with R407C R Vijayan, PSS Srinivasan CSIR	7	2009
Performance enhancement of centrally finned twist inserted solar collector using corrugated booster reflectors M Murugan, R Vijayan, A Saravanan, S Jaisankar Energy 168, 858-869	6	2019
A review on performance, emission and combustion characteristics of a diesel engine fuelled with various vegetable oil MA Asokan, R Vijayan Indian Journal of Chemical Technology (IJCT) 25 (3), 225-234	4	2018
Study and performance analysis of gas turbine combustion chamber and improving combustion efficiency by using ceramic composite material coating C Dhatchanamoorthy, M Mohanraj, M Pasumpon, R Vijayan Journal of International Journal of Mechanical Engineering And Robotics Research	4	2015
Effective conversion of kapok seed (Ceiba pentandra) oil into biodiesel and investigation of effects of catalyst concentrations and chromatographic characterization MA Asokan, R Vijayan International Journal of ChemTech Researchs 6, 5709-5715	4	2014
Experimental evaluation of internal heat exchanger influence on R-22 window air conditioner retrofitted with R-407C R Vijayan, P Srinivasan Thermal Science 14 (1), 39-47	4	2010

TITLE	CITED BY	YEAR
<p>Experimental analysis of a vapour compression refrigeration system by using nano refrigerant (R290/R600a/Al₂O₃)</p> <p>BP Krishnan, R Vijayan, K Gokulnath, S Vivek, G Sathyamoorthy AIP Conference Proceedings 2128 (1), 050023</p>	3	2019
<p>Performance analysis of a nano refrigerant mixtures in a domestic refrigeration system</p> <p>BP Krishnan, DR Vijayan, K Gokulnath Advances in Natural and applied Science 11 (6), 508-516</p>	3	2017
<p>Influence of electronic expansion valve on the performance of small window air conditioner retrofitted with R407C and R290</p> <p>C Chinnaraj, P Govindarajan, R Vijayan Thermal Science 15 (suppl. 2), 327-339</p>	3	2011
<p>Influence of corrugated booster reflectors in a centrally finned twist inserted solar thermal collector on heat transfer and thermal performance characteristics</p> <p>M Murugan, R Vijayan, A Saravanan, S Jaisankar Journal of Heat Transfer 141 (6)</p>	2	2019
<p>Energy and exergy analysis of vapor compression refrigeration system with various mixtures of HFC/HC</p> <p>U Prakash, R Vijayan, P Vijay International Journal of Engineering Technology, Management and Applied ...</p>	2	2016
<p>Improving performance of a trapezoidal-trough thermosyphon solar collector using peripherally wing-cut swirl generator</p> <p>M Murugan, R Vijayan, A Saravanan International Journal of Green Energy 16 (14), 1196-1209</p>	1	2019
<p>Performance of Al₂O₃/TiO₂ nano composite particles in domestic refrigerator</p> <p>K Saravanan, R Vijayan Journal of Experimental Nanoscience 13 (1), 245-257</p>	1	2018
<p>Experimental investigation of future HFC/HCs blended refrigerants for use in small capacity window air-conditioner</p> <p>P Elumalai, R Vijayan, V Subburam Taga J Graph Technol 14, 1921-1931</p>	1	2018
<p>Performance analysis of alternative refrigerant mixtures in vapour compression refrigeration system</p> <p>K Gokulnath, PG Scholar Advances in Natural and Applied Sciences 11 (6 SI), 468-476</p>	1	2017
<p>Investigation of modified horizontal wing cut twisted tapes fitted with rod and spacer at trailing edge on heat transfer properties in Double Glazing V-Trough solar water heaters</p> <p>D Gnanaraj, R Vijayan International Journal of Green Energy 16 (7), 501-509</p>		2019
<p>First law and Second law analysis of Al₂O₃/TiO₂ nano composite lubricant in domestic refrigerator at different evaporator temperature</p> <p>K Saravanan, R Vijayan Materials Research Express 5 (9), 095015</p>		2018

TITLE	CITED BY	YEAR
Performance Enhancement of V-trough solar concentrator with peripherally oblique-cut twist inserts M Murugan, R Vijayan, A Saravanan		2018
Performance comparison of a refrigerator system using R134a and hydrocarbon refrigerant (HCR134a) with different expansion devices A Aziz, AK Mainil IOP Conference Series: Materials Science and Engineering 237 (1), 012008		2017
Quantitative Analysis of Degummed Calophyllum Inophyllum Oil R Prabhakar, R Vijayan, A Murugesan, N Buvaneswari International Journal of u-and e-Service, Science and Technology 9 (12), 11-18		2016
Experimental investigation of diesel engine fuelled with calophyllum inophyllum methyl ester blends R Prabhakar, R Vijayan, A Murugesan, N Buvaneswari Advances in Natural and Applied Sciences 10 (7 SE), 123-130		2016
Performance Assessment of Eco-Friendly Refrigerant Mixtures Alternative to HCFC 22 in a Small Capacity Window Air Conditioner P Elumalai, R Vijayan Asian Journal of Research in Social Sciences and Humanities 6 (9), 1600-1613		2016
Authors of this Paper External Links R Vijayan, P Srinivasan THERMAL SCIENCE 14 (1), 39-47		2010
Enhancement of Energy Efficiency Using Environmentally Benign Refrigerant Blends in Vapour Compression Refrigeration System P Elumalai, R Vijayan, V Subburam, S Maniraj Advances in Industrial Automation and Smart Manufacturing, 1021-1033		
Pathinen keelkanakku noolkalil kalviyiyal sinthanaikalum seyarpaadukalum R Vijayan Coimbatore		
Study of R134a–Poe Oil Mixture in Vapour Compression System K Saravanan, R Vijayan		
Experimental investigation on the combustion performance and emission characteristics of a di diesel engine using kapok oil Ceiba Pentandra methyl ester diesel blends R Vijayan Chennai		
ANALYSIS AND EXHAUST EMISSIONS OF A DIESEL ENGINE USING JATROPHA OIL AS BIOFUEL R VIJAYAN		
Studies on r22 window airconditioner Retrofitted with r407c and internal Heat exchanger R Vijayan Chennai		