Dr. P. Somasundaram

Professor and Head of Automobile Engineering, Kongu Engineering College

<u>Title</u>	Cited by	<u>Year</u>
Exergy and energy analysis of three stage auto refrigerating cascade system using Zeotropic mixture for sustainable development M Sivakumar, P Somasundaram Energy conversion and management 84, 589-596	<u>33</u>	2014
Performance study on evacuated tube solar collector using therminol D-12 as heat transfer fluid coupled with parabolic trough PT P Selvakumar, P Somasundaram Energy Conversion and Management 85, 505-510	<u>33</u>	2014
Simulation analysis of compression refrigeration cycle with different refrigerants P Thangavel, DP Somasundaram, T Sivakumar, CS Kumar, G Vetriselvan International Journal of Engineering and Innovative Technology (IJEIT) 2 (10)	<u>16</u>	2013
Exergy based refrigerant selection and simulation of auto refrigeration cascade (ARC) system P Somasundaram, R Dinakaran, S Iniyan, AA Samuel International Journal of Exergy 1 (1), 60-81	<u>14</u>	2004
Experimental investigation on attenuation of emission with optimized LPG jet induction in a dual fuel diesel engine and prediction by ANN model PS C.J.Thomas Renald Energy Procedia 14, 1427-1438	<u>12*</u>	2012
A novel study on the effect lemon peel oil as a fuel in CRDI engine at various injection strategies B Ashok, K Nanthagopal, B Saravanan, P Somasundaram, Energy conversion and management 172, 517-528	7	2018
An Experimental Study on Evacuated Tube Solar Collector using Therminol D-12 as Heat Transfer Fluid Coupled with Parabolic Trough P Selvakumar, P Somasundaram, P Thangavel International Journal of Engineering and Technology 6 (1)	7	2014
Effect of Inclination Angle on Temperature Characteristics of Water in-Glass Evacuated Tubes of Domestic Solar Water Heater P Selvakumar, DP Somasundaram International Journal of Engineering and Innovative Technology (IJEIT) Volume 1	<u>7</u>	2012
Investigation on the Effects of Conventional Fossil Fuel to the Environment and Research on Renewable Fuels with Reduced Emission Using Biodiesel, Diethyl Ether and Hydrogen C Jegadheesan, P Somasundaram, B Meenakshipriya, UP Vignesh Nature Environment and Pollution Technology 12 (4), 661	<u>5</u>	2013
Part load performance analysis of vapour compression refrigeration system with hydrocarbon refrigerants	<u>3</u>	2013

<u>Title</u>	Cited by	<u>Year</u>
P Thangavel, P Somasundaram NISCAIR-CSIR, India		
Investigation effect of hydrogen addition on the performance and exhaust emissions of Pongamia pinnata biodiesel fueled compression ignition engine UP Jegadheesan, C. Somasundaram, P. Meenakshipriya, B. Vignesh International Journal of Green Energy	2	2017
Exergy and performance analysis of three stage auto refrigerating cascade (3 stage ARC) system using Zeotropic mixture of eco-friendly refrigerants M Sivakumar, P Somasudaram International Review of Mechanical Engineering 8 (1), p124-134	2	2014
Effect of DEE Injection in Pongamia Pinnata Biodiesel Fulled CI Engine Using Hydrogen as Secondary Fuel C Jegadheesan, P Somasundaram, B Meenakshipriya, UP Vignesh Advanced Materials Research 768, 188-194	2	2013
Effects of evaporator load on vapour compression refrigeration system using eco friendly hydrocarbon refrigerants with sub cooling PS P Thangavel Journal of Scientific & Industrial Research 72, 695-702	1	2013
Microstructural evaluation and study of shock wave as an energetic source for synthesis of nanomaterials JTRP Somasundaram Polymer Bulletin 76, 4841–4858		2019
Performance of P1 Model in the prediction of Static Temperature and Velocity Magnitude of Therminol D-12 in an Evacuated Tube Solar Collector KRRT Selvakumar P, Somasundaram P, Tamilvanan A International Journal Innovative technology and Exploring Engineering 8 (11)		2019
Experimental investigation and exergy analysis on homogeneous charge compression ignition engine fueled with natural gas and diethyl ether KMSR Vadivel Natesan, Somasundaram Periyasamy Environmental Science and Pollution Research 26 (7), 6677-6695		2019
PARAMETRIC OPTIMIZATION OF INPUT VARIABLES IN A DI - DIESEL ENGINE USING DIESEL ETHANOL BLENDS WITH DIETHYL ETHER ADDITIVE SP Vadivel N TAGA JOURNAL 14, 3015-3028		2018
PARAMETRIC OPTIMIZATION OF INPUT VARIABLES IN A DI-DIESEL ENGINE USING DIESEL ETHANOL BLENDS WITH DIETHYL ETHER ADDITIVE Performance of Diesel Ethanol blends (paper subtitle) N Vadivel, P Somasundaram		2018
Certain studies on ecofriendly refrigerants used in vapour compression refrigeration system of automobile air-conditioner K Karthikeyan, P Somasundaram, M Sivakumar, CJT Renald,	L	2017

<u>Title</u>	Cited by	<u>Year</u>
Advances in Natural and Applied Sciences 11 (2), 77-85	•	
Thermodynamic investigations of Zeotropic mixture of R290, R23 and R14 on three-stage auto refrigerating cascade system M Sivakumar, P Somasudaram Thermal Science 20 (6), 2073-2086		2016
Experimental Analysis on Solar Water Heater with Corrugated Absorber for Enhanced Heat Transfer SP Selvakumar P Journal of Thermal Energy Systems 1 (2), 8-19		2016
Analysis of Humidified Air Circulation Over the Air Cooled Condenser of Vapour Compression Refrigeration System with Eco Friendly Refrigerants P Thangavel, D Deepa, P Somasundaram, P Selvakumar International Review of Mechanical Engineering (IREME) 8 (3), 530-536		2014
Simulation Analysis on Thermo Physical Properties of Hydrocarbon Refrigerants in Vapour Compression Refrigeration System P Thangavel, P Somasundaram, P Navaneethakrishnan International Review of Mechanical Engineering (IREME) 7 (4), 646-651	Ī	2013
International Journal on AA Minea, O Manca, EG Mihailov, VI Petkov, IV Doichev, KP Boshnakov,		2013
Elimination of knocking effect in biodiesel operated CI engine with hydrogen as a secondary fuel C Jegadheesan, P Somasundaram, B Meenakshipriya		2013
Exergy and Performance analysis of Three Stage Auto Refrigerating Cascade (3 stage ARC) System using Environment Friendly Zeotropic Mixture of R290, R170 & R14 M Sivakumar, P SOMASUDARAM Pollution Research 32 (4), 943-952		2013
Investigation on Thermal Balance of CI Engine Fuelled by Pongamia Pinnata Biodiesel and Hydrogen as Secondary Fuel C Jegadheesan, P Somasundaram International Journal on, 104		2013
Investigation on Thermal Balance of CI Engine Fuelled by Pongamia Pinnata Biodiesel and Hydrogen as Secondary Fuel PS C Jegadheesan International Review of Mechanical Engineering 7 (2), 375-378		2013
Instant Hot Water Generation System for Domestic Utility in Rural Areas PS P Selvakumar International Review of Mechanical Engineering 7 (5), 864-873		2013
Effects of Conventional Fossil Fuels in the Environment and Research towards Renewable Fuels with Reduced Emission Using Biodiesel, Hydrogen and Diethyl Ether UPV C Jegadheesan, P Somasundaram, B Meenakshipriya		2013

<u>Title</u>	Cited by	Year
Nature Environment and Pollution Technology 12 (4), 661-666		
Design and Analysis of Piezo-Driven Valve-Less Micropump		
P Somasundaram, S Chandika, C Jegadheesan		2008
i-Manager's Journal on Future Engineering and Technology 4 (2), 22		