## Ramesh Kumar Chidambaram

Professor, Automotive Research Center, <u>VIT Univeristy</u> Verified email at vit.ac.in Automotive Engineering

TITLE	CITED BY	YEAR
An experimental study to analyze influence of porous media combustor on performance and emission characteristics of a DI diesel engine S Saravanan, RK Chidambaram, VE Geo Fuel 280, 118645	2	2020
Role of thermal barrier coating and porous medium combustor for a diesel engine: An experimental study S Saravanan, CR Kumar, A Pugazhendhi, K Brindhadevi Fuel 280, 118597		2020
A Novel Emergent Intelligence Technique for Public Transport Vehicle Allocation Problem in a Dynamic Transportation System S Chavhan, D Gupta, BN Chandana, RK Chidambaram, A Khanna, IEEE Transactions on Intelligent Transportation Systems	2	2020
OPTIMIZING HIGH VELOCITY OXY FUEL SPRAY COATING PROCESS PARAMETERS FOR REDUCING EMISSIONS IN ZrO2/Al2O3 COATED INTERNAL COMBUSTION ENGINES NKI Wilson, G Poornanandan, RK Chidambaram Thermal Science 24 (1), 473-479		2020
Experimental Investigations on CO <sub>2</sub> Recovery from Engine Exhaust Using Adsorption Technology S Saravanan, CR Kumar SAE Technical Paper		2019
Study of NO <sub>x</sub> Reduction Efficiency in NSR and NSR-SCR Combined Systems S Supramani, RK Chidambaram SAE Technical Paper		2019
Neural Network Based Virtual Sensor for Throttle Valve Position Estimation in a SI Engine B Ashok, SD Ashok, CR Kumar, C Kavitha SAE Technical Paper		2019
Impacts on Nox Emission Control Measures to Achieve EURO VI Limits-A Review S Supramani, CR Kumar Journal Européen des Systèmes Automatisés 52 (2), 163-171	1	2019
Assessment on performance, combustion and emission characteristics of diesel engine fuelled with blends of diesel, algae biodiesel and heptanol S Saravanan, S Gupta, R Chidambaram, A Jain, K Vora SAE Technical Paper	2	2019
Optimizing hvof spray coating process parameters for reducing emissions in zirconium dioxide/aluminium oxide coated internal combustion engines NK Israel, G Poornanandan, RK Chidambaram Thermal Science, 394-394		2019
High-Power LED Luminous Flux Estimation Using a Mathematical Model Incorporating the Effects of Heatsink and Fins A Rammohan, CR Kumar, MM Rashidi		2019

TITLE	CITED BY	YEAR
Applied Mathematics and Scientific Computing, 429-438		
Analytical Study on Heat Transfer Behavior of an Orthotropic Pin Fin with Contact Resistance MA Vadivelu, CR Kumar, MM Rashidi Applied Mathematics and Scientific Computing, 397-405		2019
Assessment on Performance, Combustion and Emission Characteristics of Diesel Engine Fuelled with Blends of Diesel, Algae Biodiesel and Heptanol RC Supramani Saravanan, Sagar Gupta SAE 26 (0091), 1-7		2019
NOx Control Using Porous Medium Combustion in DI Diesel Engine-An Attempt through Simulation Study S Saravanan, CR Kumar, CD Naiju SAE Technical Paper	1	2018
Theoretical Analysis of High Thermal Conductivity Polymer Composite Fin Based Automotive Radiator under Forced Convection  MA Vadivelu, CR Kumar, CD Naiju  SAE Technical Paper	1	2018
Parametric analysis and optimization of convective fin with variable thermal conductivity using semi-analytical solution RKC Vadivelu M. Arumugam* International Journal of Heat and Technology 36 (2), 677		2018
Performance analysis of photoresistor and phototransistor for automotive's halogen and xenon bulbs light output A Rammohan, CR Kumar MS&E 263 (6), 062056	2	2017
Experimental investigations and guidelines for PCB design for a fuel injection ECU to meet automotive environmental, EMI/EMC and ESD standards  S Kalyankar-Narwade, CR Kumar, SA Patil MS&E 263 (6), 062081	1	2017
Multiple control parameters and functional mode considerations for gasoline EMS engine control unit—A survey SJ Kalyankar-Narwade, CR Kumar, SA Patil 2017 International conference on Microelectronic Devices, Circuits and	1	2017
Study of NO <sub>x</sub> Reduction Efficiency in NSR and NSR-SCR Combined Systems S Supramani, RK Chidambaram SAE Technical Paper		2017
A Review on Air Preheater Elements Design and Testing A Modi, A Haque, B Pratap, IK Bansal, P Kumar, S Saravanan, MS Kumar,	1	2017
Investigation of combustion, performance and emission characters of compression ignition engine fuelled with diesel blends of linseed and cottonseed oil PG C. Ramesh Kumar* and S. Saravanan Progress in Industrial Ecology 11, 207	2 <b>*</b>	2017
Trends and future perspectives of electronic throttle control system in a spark ignition engine	30	2017

TITLE	CITED BY	YEAR
B Ashok, SD Ashok, CR Kumar Annual Reviews in Control 44, 97-115		
Polymer composites for thermal management: a review MA Vadivelu, CR Kumar, GM Joshi Composite Interfaces 23 (9), 847-872	51	2016
A Review on Effect of Thermal Factors on Performance of High Power Light Emitting CKR A. Rammohan Journal of Engineering Science and Technology Review 9 (4), 165 - 176		2016
Numerical analysis of CI engine to control emissions using exhaust gas recirculation and advanced start of injection PK Chowdary, PR Ganji, MS Kumar, CR Kumar, SS Rao Alexandria Engineering Journal 55 (2), 1881-1891	11	2016
Cooling System Optimisation of a Multi-Point Fuel Injection Engine MA Vadivelu, CR Kumar, CD Naiju SAE Technical Paper	1	2016
A review on control system architecture of a SI engine management system B Ashok, SD Ashok, CR Kumar Annual Reviews in Control 41, 94-118	54	2016
Theoretical investigation of waste heat recovery from an IC engine using vapor absorption refrigeration system and thermoelectric converter A Sonthalia, S Reddy, CR Kumar, K Kamani Heat Transfer—Asian Research 44 (6), 499-514	2	2015
LPG diesel dual fuel engine—A critical review B Ashok, SD Ashok, CR Kumar Alexandria Engineering Journal 54 (2), 105-126	125	2015
Combustion and performance characteristics of a small spark ignition engine fuelled with HCNG A Sonthalia, C Rameshkumar, U Sharma, A Punganur, S Abbas J. Eng. Sci. Technol 10 (4), 404-419	12	2015
Analysis of Mechanical Properties of Hybrid Burmese Silk Orchid and Glass		

## Analysis of Mechanical Properties of Hybrid Burmese Fibers Composite Material P Gopal, CR Kumar, V Lakshmanan Science, Technology and Arts Research Journal 4 (2), 241-246