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Automotive emission control

Experimental investigation on performance, combustion and emission characteristics of DI diesel engine using algae as a biodiesel

M Subramaniam, JM Solomon, V Nadanakumar, S Anaimuthu, ...
Energy Reports 6, 1382-1392

Development of active CO₂ emission control system using chemical absorbent technique for diesel engine exhaust

SJ Muthiya, S Pachamuthu, M Subramaniam, A Joshuva, N Vinayagam, ...
SAE Technical Paper

Numerical Investigation on Various Layouts of Phase Change Materials Based Battery Module Used in Electric Vehicles

M Subramaniam, SJ Muthiya, S Satish, A Joshuva, J Alexis
SAE Technical Paper

A Machine Learning Approach for Vibration Signal Based Fault Classification on Hydraulic Braking System through C4. 5 Decision Tree Classifier and Logistic Model Tree Classifier

A Joshuva, S Anaimuthu, N Selvaraju, SJ Muthiya, M Subramaniam
SAE Technical Paper

Capture of CO₂ from Automobile Exhaust by Using Physical Adsorption Technique

S Mohankumar, B Dhinesh, MU Kaisan, PM Shameer
Emerging Technologies for Waste Valorization and Environmental Protection, 59-68

Numerical Investigation of Pressure Drop for Various Models of Catalytic Converter to Capture CO₂ Emission using Activated Carbon

SM Kumar, S Satish
International Journal of Vehicle Structures & Systems 10 (5), 324-328

Particulate matter formation and its control methodologies for diesel engine: A comprehensive review

S Mohankumar, P Senthilkumar
Renewable and Sustainable Energy Reviews 80, 1227-1238

Simultaneous Reduction of HC, NO_x and PM by Using Active Regeneration Technique

MK Subramaniam, S Pachamuthu, J Arulanandan, J Muthiya
SAE Technical Paper

Two zone thermodynamic model for prediction of particulate matter emission from direct injection diesel engine

M Subramaniam, S Pachamuthu
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Experimental investigation and controlling of CO₂ emission from automobile exhaust by CCS technique

SJ Muthiya, V Amarnath, PS Kumar, SM Kumar
Int. J. Applied Engg. Research 10 (61), 36-46

Reduction of Nox emissions in Diesel engines by selective Catalytic reduction using Dual Layer Catalyst configurations

AJ Joseph, PS Kumar, SJ Muthiya, SM Kumar

Numerical and experimental investigation on capture of CO₂ and other pollutants from an SI engine using the physical adsorption technique

M Subramaniam, S Satish, JM Solomon, R Sathyamurthy
Heat Transfer