

## S.P.Sivapirakasam

Professor of Mechanical Engineering Department, NIT, Trichy industrial safety ergonomics emission pyrotechnics Green manufacturing

GET MY OWN PROFILE			
	All	Since 2015	
Citations	955	698	
h-index	15	12	
i10-index	24	17	

TITLE	CITED BY	YEAR
Investigation on the effect of injection system parameters on performance and emission characteristics of a twin cylinder compression ignition direct injection engine fuelled  M Pandian, SP Sivapirakasam, M Udayakumar Applied Energy 88 (8), 2663-2676		2011
Comparative studies on fly ash coated low heat rejection diesel engine on performance and emission characteristics fueled by rice bran and pongamia methyl ester and their blend  M MohamedMusthafa, SP Sivapirakasam, M Udayakumar Energy 36 (5), 2343-2351	132	2011
Multi-attribute decision making for green electrical discharge machining SP Sivapirakasam, J Mathew, M Surianarayanan Expert Systems with Applications 38 (7), 8370-8374	121	2011
Constituent analysis of aerosol generated from die sinking electrical discharge machining process SP Sivapirakasam, J Mathew, M Surianarayanan Process Safety and Environmental Protection 89 (2), 141-150	35	2011
Investigations on emission characteristics of the pongamia biodiesel–diesel blend fuelled twin cylinder compression ignition direct injection engine using exhaust gas  M Pandian, SP Sivapirakasam, M Udayakumar Journal of Renewable and Sustainable Energy 2 (4), 043110	31	2010
Analysis of aerosol emission and hazard evaluation of electrical discharge machining (EDM) process M Jose, SP Sivapirakasam, M Surianarayanan Industrial health 48 (4), 478-486	25	2010
Evaluation of thermal hazards and thermo-kinetic parameters of a matchhead composition by DSC and ARC SP Sivapirakasam, MN Mohamed, M Surianarayanan, VP Sridhar Thermochimica Acta 557, 13-19	22	2013
Influence of injection timing on performance and emission characteristics of naturally aspirated twin cylinder CIDI engine using bio-diesel blend as fuel M Pandian, SP Sivapirakasam, M Udayakumar International Journal of Recent Trends in Engineering 1 (5), 113	20	2009

TITLE	CITED BY	YEAR
Thermal hazards of cracker mixture using DSC SP Sivapirakasam, M Surianarayanan, F Chandrasekaran, Journal of thermal analysis and calorimetry 78 (3), 799-808	20	2004
Mathematical modeling of aerosol emission from die sinking electrical discharge machining process SS Paramashivan, J Mathew, S Mahadevan Applied Mathematical Modelling 36 (4), 1493-1503	18	2012
Effects of Al <sub>2</sub> O <sub>3</sub> coating on diesel engine performance, combustion, and emission characteristics fueled by pongamia methyl ester and its blends with diesel  M Mohamedmusthafa, SP Sivapirakasam, M Udayakumar, Environmental Progress & Sustainable Energy 31 (1), 147-156	18	2012
Studies on biodiesel production and its effect on DI diesel engine performance, emission and combustion characteristics GR Kannan, KR Balasubramanian, SP Sivapirakasam, R Anand International Journal of Ambient Energy 32 (4), 179-193	17	2011
Welding fumes reduction by coating of nano-TiO2 on electrodes S Mohan, SP Sivapirakasam, MCS Kumar, M Surianarayanan Journal of Materials Processing Technology 219, 237-247	16	2015
Hazard assessment for the safe storage, manufacturing and handling of flash compositions SP Sivapirakasam, M Surianarayanan, G Swaminathan Journal of Loss Prevention in the process industries 22 (2), 254-256	16	2009
Impact sensitiveness analysis of pyrotechnic flash compositions SP Sivaprakasam Journal of Pyrotechnics 21, 52	16	2005
Welding fume reduction by nano-alumina coating on electrodes—towards green welding process SP Sivapirakasam, S Mohan, MCS Kumar, M Surianarayanan Journal of Cleaner Production 108, 131-144	15	2015
An experimental investigation on pool boiling heat transfer enhancement using sol-gel derived nano-CuO porous coating A Joseph, S Mohan, CSS Kumar, A Mathew, S Thomas, BR Vishnu, Experimental Thermal and Fluid Science 103, 37-50	g 14	2019
A comparative evaluation of ${\rm Al_2O_3}$ coated low heat rejection diesel engine performance and emission characteristics using fuel as rice bran and pongamia methyl MM Musthafa, SP Sivapirakasam, M Udayakumar Journal of Renewable and Sustainable Energy 2 (5), 053105	14	2010
Influence of workpiece materials on aerosol emission from die sinking electrical discharge machining process S Thiyagarajan, SP Sivapirakasam, J Mathew, M Surianarayanan, Process Safety and Environmental Protection 92 (6), 739-749	13	2014

TITLE	CITED BY	YEAR
Adiabatic thermokinetics and process safety of pyrotechnic mixtures: atom bomb, Chinese, and palm leaf crackers S VETHATHIRI PAKKIRISAMY, S MAHADEVAN, SS PARAMASHIVAN, Journal of thermal analysis and calorimetry 109 (3), 1387-1395	13	2012