

## **Dr. P. Ramkumar – Publications**

<u>TITLE</u>	<u>CITED BY</u>	<u>YEAR</u>
Electrostatic monitoring of the effects of carbon black on lubricated steel/steel sliding contacts RJK Wood, P Ramkumar, L Wang, TJ Harvey, K Nelson, ES Yamaguchi, ... Tribology and Interface Engineering Series 48, 109-121	33	2005
The effects of diesel contaminants on tribological performance on sliding steel on steel contacts R Penchaliah, TJ Harvey, RJK Wood, K Nelson, HEG Powrie Proceedings of the Institution of Mechanical Engineers, Part J: Journal of ...	22	2011
Multi-objective optimization of the two-stage helical gearbox with tribological constraints M Patil, P Ramkumar, K Shankar Mechanism and Machine Theory 138, 38-57	12	2019
The effect of diesel engine oil contamination on friction and wear P Ramkumar, L Wang, TJ Harvey, RJK Wood, K Nelson, E Yamaguchi, ... World Tribology Congress 42010, 537-538	8	2005
Feasibility study of micro-groove cross hatched surface texturing on Ti6Al4V for improved biotribological performance in metal-on-polymer hip implant V Kashyap, P Ramkumar Tribology-Materials, Surfaces & Interfaces 13 (3), 150-160	6	2019
Effect of additives on a surface textured piston ring–cylinder liner system P Mishra, P Ramkumar Tribology - Materials, Surfaces & Interfaces 13 (2), 67-75	6	2019
Multi-objective optimization of two stage spur gearbox using NSGA-II M Patil, P Ramkumar, S Krishnapillai SAE Technical Paper	5	2017
Replication of white etching area evolution using novel modified dynamic load pin-on-disc tribometer on bearing steel K Sreeraj, P Ramkumar Tribology International 126, 336-343	4	2018
Tribological Effects of Multiwall Carbon Nanotube (MWCNT) on Cu Based Hybrid Composite Brake Friction Material for Medium Duty Automotive Applications P Raja, P Ramkumar SAE Technical Paper	3	2018
Multi-Objective Optimization of Spur Gearbox with Inclusion of Tribological Aspects KS Maruti Patil, P. Ramkumar Journal of Friction and Wear 38 (6), 430-436	3	2017
Air-Fuel Ratio (Afr) Calculations In An Internal Combustion Engine Based On The Cylinder Pressure Measurements R Pradhan, P Ramkumar, M Sreenivasan	3	2012
Comprehensive analysis of effects of dynamic load frequency and hydrogenation to instigate White Etching Areas (WEAs) formation under severe sliding condition of bearing steel K Sreeraj, P Ramkumar Tribology International 144, 106131	2	2020

Tribology in Materials and Applications JK Katiyar, P Ramkumar, TVVLN Rao, J Paulo Davim	2*	2020
Estimation of Air-Fuel Ratio (AFR) in a Sark-Ignition (SI) Engine from Cylinder Pressure Measurements R Pradhan, P Ramkumar, S Suhan IJRRAS 13 (3), 707-715	2	2012
The influence of contaminants and their interactions on diesel engine oil tribology using electrostatic condition monitoring R Penchaliah University of Southampton	2	2007
Comprehensive analysis of geometrical parameters of crosshatched texture for enhanced tribological performance under biological environment V Kashyap, P Ramkumar Proceedings of the Institution of Mechanical Engineers Part J Journal of ...	1	2020
Tribological Effects of Diesel Engine Oil Contamination on Steel and Hybrid Sliding Contacts P Ramkumar Tribology in Materials and Applications, 279-296	1	2020
Factorial study of diesel engine oil contamination effects on steel and ceramic sliding contacts P Ramkumar, TJ Harvey, RJK Wood, AD Rose, DC Woods, SM Lewis Proceedings of the Institution of Mechanical Engineers, Part J: Journal of ...	1	2019
Effect of Micro Texture on Tribological Performance of Piston Ring-Cylinder Liner System under Different Lubrication Regimes P Mishra, P Ramkumar SAE Technical Paper	1	2018
Finite Element Sliding Wear Simulation of 2D Steel-on-Steel Pin-on-Disc Tribometer KK Bose, P Ramkumar SAE Technical Paper	1	2018
Design and Analysis of Glass Fibre Reinforced Composite Based Two Stage Gearbox V Ramatenki, P Ramkumar Advanced Science, Engineering and Medicine 10 (3-4), 323-327	1	2018
Optimization of Planetary Gearbox Using NSGA-II A Parmar, P Ramkumar, K Shankar Recent Advances in Mechanical Engineering, 367-376		2021
Comparing Wettability and Frictional Performance of Laser Micro-machined Discrete and Continuous Textures V Kashyap, P Ramkumar Recent Advances in Mechanical Engineering, 185-192		2021
Macro geometry multi-objective optimization of planetary gearbox considering scuffing constraint A Parmar, P Ramkumar, K Shankar Mechanism and Machine Theory 154, 104045		2020
Effect of friction modifiers compositions on tribological properties of Cu-Sn alloy/Al <sub>2</sub> O <sub>3</sub> brake composite material V Singh, P Raja, P Ramkumar, JK Katiyar Proceedings of the Institution of Mechanical Engineers, Part J: Journal of ...		2020
Synergistic effect of surface texturing and coating on the friction between		2020

piston ring and cylinder liner contact P Mishra, R Penchaliah Proceedings of the Institution of Mechanical Engineers, Part J: Journal of ...	
Trends in Mechanical and Biomedical Design ET Akinlabi, R Penchaliah, M Selvaraj	2020
3-D FEM wear prediction of brass sliding against bearing steel using constant contact pressure approximation technique KK Bose, P Ramkumar Tribology Online 14 (4), 194-207	2019
Finite element method based sliding wear prediction of steel-on-steel contacts using extrapolation techniques KK Bose, P Ramkumar Proceedings of the Institution of Mechanical Engineers Part J Journal of ...	2019
Effect of soot on tribological properties of steel and ceramic contacts Y Kaushik, P Ramkumar International Journal of Materials and Structural Integrity 13 (1/2/3), 172-185	2019
Optimization of Ytterbium Laser Parameters for Texturing of Steel Surfaces P Mishra, P Ramkumar Proceedings of TRIBOINDIA-2018 An International Conference on Tribology	2018
Effect of Elevated Temperature on Tribological Properties of Steel, Silicon Nitride and Zirconia Against Steel Y Kaushik, P Ramkumar Advanced Science, Engineering and Medicine 10 (3-4), 434-439	2018
Multi-Objective Optimization of Two Stage Spur Gearbox Using NSGA-II SK Maruti Patil, Ramkumar Penchaliah SAE International Technical, 10.4271/2017-28-1939	2017
Effect of soot on tribological properties using light weight advanced materials YKP Ramkumar Wear of Materials	2015
Effect of Soot on tribological properties using steel and hybrid sliding contacts YKP Ramkumar Proceedings of National Tribology Conference 2014, 232-238	