



## Shankar S

Chief Coordinator - R&D Cell,  
Kongu Engineering College  
, INDIA.

Computational Wear Modelling  
Tribology  
Biomechanics  
Occupational Ergonomics

	All	Since 2016
Citations	1438	1214
h-index	18	18
i10-index	33	30

TITLE	CITED BY	YEAR
<a href="#">Experimental and Finite Element Wear study of Silicon Nitride against Alumina for Hip Implants with Bio-Lubricant for Various Gait Activities</a> S Shankar, R Nithyaprakash, AP Sugunesh, KA Selvamani, MS Uddin Silicon, Accepted	2	2021
<a href="#">Analysis of motor cycle helmet under static and dynamic conditions considering different materials</a> S Shankar, R Nithyaprakash, S Praveen, SS Kumar, AM Sriram Materials Today: Proceedings		2021
<a href="#">Tribological behavior of polyethylene and ceramic biomaterials under different bio-lubricants</a> R Nithyaprakash, S Shankar, BR Santhosh, T Karthik kumar, P Kiruba, ... Trends in Biomaterials & Artificial Organs, Accepted		2021
<a href="#">Tribological Study on Titanium Based Composite Materials in Biomedical Applications</a> S Shankar, R Nithyaprakash, G Abbas Tribological Applications of Composite Materials, 215-241		2020
<a href="#">FEA of SAW penetration of Ramor 500 steel</a> G Ali Kaya, T Semih, S , Shankar, M Thangamuthu Materials Testing 62 (12), 1192-1198		2020
<a href="#">Experimental investigations of vibration and acoustics signals in milling process using kapok oil as cutting fluid</a> S Shankar, M Manikandan, G Raja, A Pramanik Mechanics & Industry 21 (5), 521	1	2020
<a href="#">Experimental and submodeling technique to investigate the wear of silicon nitride against Ti6Al4V alloy with bio-lubricants for various gait activities</a> S Shankar, R Nithyaprakash, BR Santhosh, GUR Ali Kaya, A Pramanik Tribology International 151 (November), 106529 1-10		2020
<a href="#">Contact stress and wear analysis of zirconia against alumina for normal and physically demanding loads in hip prosthesis</a> S Shankar, R Nithyaprakash, AP Sugunesh, MS Uddin, A Pramanik Journal of Bionic Engineering 17 (5), 1045 -1058		2020
<a href="#">Finite element submodeling technique to analyze the contact pressure and wear of hard bearing couples in hip prosthesis</a> S Shankar, R Nithyaprakash, BR Santhosh, MS Uddin, A Pramanik Computer Methods in Biomechanics and Biomedical Engineering 23 (8), 422-431	2	2020

TITLE	CITED BY	YEAR
<a href="#">Long-term Wear Prediction of Zirconia on Alumina Ceramic for Hip Prosthesis</a> S Shankar, R Nithyaprakash, AP Sugunesh, MS Uddin International Journal of Surface Science and Engineering 14 (3), 192-206		2020
<a href="#">Prevalence of Work Related Musculoskeletal Disorders among Occupational Bus Drivers of Karnataka, South INDIA</a> H PradeepKumar, G Sathivel, S Shankar WORK: A Journal of Prevention, Assessment & Rehabilitation 66 (1), 73-84	1 *	2020
<a href="#">Substantial reduction of carbon black and balancing the technical properties of styrene butadiene rubber compounds using nanoclay</a> MK Harikrishna Kumar, S Shankar, R Rajasekar, P Samir Kumar, ... Journal of Rubber Research 23 (2), 79-87	1	2020
<a href="#">Burr formation and its treatments—a review</a> SY Jin, A Pramanik, AK Basak, C Prakash, S Shankar, S Debnath The International Journal of Advanced Manufacturing Technology 107 (5-6 ...	7	2020
<a href="#">Experimental and numerical analysis of impact strength of Al6082 for automotive structural applications</a> DK Karupannasamy, KSK SasiKumar, S Shankar Materials Today: Proceedings 33 (7), 2863-2867		2020
<a href="#">Design, development, calibration, and testing of indigenously developed strain gauge based dynamometer for cutting force measurement in the milling process</a> T Mohanraj, S Shankar, R Rajasekar, MS Uddin Journal of Mechanical Engineering Sciences 14 (2), 6594 - 6609	2	2020
<a href="#">Tool condition monitoring techniques in milling process - a review</a> T Mohanraj, S Shankar, R Rajasekar, NR Sakthivel, P Alokesh Journal of Materials Research and Technology 9 (1), 1032-1042	30	2020
<a href="#">Tool wear prediction in hard turning of EN8 steel using cutting force and surface roughness with artificial neural network</a> SK Thangarasu, S Shankar, T Mohanraj IMech Part C: Journal of Mechanical Engineering Science 234 (1), 329-342	8 *	2020
<a href="#">Optimization of turning parameters for AlSi10Mg/SCBA/SiC hybrid metal matrix composite using response surface methodology</a> S Shankar, A Balaji, A Pramanik Materials Research Express 6 (10), 106553 1-11	1	2019
<a href="#">Aluminium Alloy Reinforced With Fly Ash: Techniques &amp; Particle Size</a> S Shankar, S Harichandran Jurnal Tribologi 23, 13-37	1	2019
<a href="#">Burr formation during drilling of mild steel at different machining conditions</a> A Pramanik, AK Basak, MS Uddin, S Shankar, S Debnath, MN Islam Materials and Manufacturing Processes 34 (7), 726-735	5	2019

TITLE	CITED BY	YEAR
<a href="#">Study of the effect of varying shapes of holes in energy absorption characteristics on aluminium circular windowed tubes under quasi-static loading</a> N Baaskaran, K Ponappa, S Shankar Structural Engineering and Mechanics 70 (2), 153-168		2019
<a href="#">Experimental study and Optimization in turning Process of EN8 steel using RSM with Hybrid Algorithm Approach</a> SK Thangarasu, S Shankar, R Navin Prasath International Journal of Bio-Inspired Computation 13 (4), 242-256	2	2019
<a href="#">Tool condition monitoring in the milling process with vegetable based cutting fluids using vibration signatures</a> M Thangamuthu, S Shankar, R Rathanasamy, D Ramasamy, ... Materials Testing 61 (3), 282-288	9	2019
<a href="#">Prediction of cutting tool wear during milling process using artificial intelligence techniques</a> S Shankar, T Mohanraj, R Rajasekar International Journal of Computer Integrated Manufacturing 32 (2), 174-182	24	2019
<a href="#">Tool condition monitoring while using vegetable based cutting fluids during milling of INCONEL 625</a> S Shankar, T Mohanraj, A Pramanik Journal of Advanced Manufacturing Systems 18 (4), 563-581	7	2019
<a href="#">Management of Musculoskeletal Shoulder and Neck Pain through Ergonomic Intervention: A Pre-Post Design analysis in Hand Screen Printing Industry</a> S Shankar, T Naveen Kumar, J Karthick International Journal of Business Innovation and Research 18 (3), 392-409		2019
<a href="#">Investigations on tribo-mechanical behaviour of Al-Si10-Mg/sugarcane bagasse ash/SiC hybrid composites</a> S Shankar, A Balaji, N Kawin, A Pramanik China Foundry 16 (4), 277-284	3	2019
<a href="#">Air suffocation prevention inside a car cabin</a> S Shankar, VG Pratheep, G Pranesh, P Umesh, VM Vignesh International Journal of Scientific and Technology Research 8 (12), 2003-2006		2019
<a href="#">Design and fabrication of portable sugarcane harvesting machine</a> S Shankar, C Maheshwari, R Gowtham, P Kiruba, K Mohansrinivas International Journal of Scientific and Technology Research 8 (12), 2059-2062		2019
<a href="#">Mechanical loading characteristics of total hip prosthetics subjected to dynamic loading cycles</a> M Kalayarasan, S Shankar, M Manikandan, K Adithan Bio-Medical Materials and Engineering 29 (6), 723-737	5	2018
<a href="#">Assessment of dynamic crushing and energy absorption characteristics of thin-walled cylinders due to axial and oblique impact load</a> N Baaskaran, K Ponappa, S Shankar Steel and Composite Structures 28 (2), 179-194	2	2018

TITLE	CITED BY	YEAR
<a href="#">Investigations on Mechanical and Tribological Properties of Al-Si10-Mg alloy / Sugarcane Bagasse Ash Particulate Composites</a> S Shankar, A Balaji, N Kawin Particulate Science and Technology 36 (6), 762-770	14	2018
<a href="#">Computational Wear Assessment of Hard on Hard Hip Implants Subject to Physically Demanding Tasks</a> R Nithyaprakash, S Shankar, MS Uddin Medical & Biological Engineering & Computing 56 (5), 899-910	8	2018
<a href="#">Low back pain assessment using Surface Electromyography among industry workers during the repetitive bending tasks</a> S Shankar, R Naveenkumar, S Pradeep, J Karthick, J Srinivasan International Journal of Human Factors and Ergonomics 5 (4), 277-292	2	2018
<a href="#">Evaluation of Tribological Properties on Ceiba Pentandra (Kapok) Seed Oil as an Alternative Lubricant</a> S Shankar, M Manikandan, G Raja Industrial Lubrication and Tribology 70 (3), 506-511	6	2018
<a href="#">Evaluation of vibrant muscles over shoulder region among the workers of Hand Screen Printing Industry</a> S Shankar, R Naveenkumar, J Karthick, P Mohankumar International Journal of Occupational Safety and Ergonomics 24 (2), 278-285	4	2018
<a href="#">Assessment of shoulder and low back muscle activity of kitchen workers using surface electromyography</a> S Shankar, M Shanmugam, J Srinivasan International Journal of Occupational Medicine and Environmental Health 31 ...	5	2018
<a href="#">Prediction of Cutting Force in Turning Process-an Experimental Approach</a> SK Thangarasu, S Shankar, AT Thomas, G Sridhar IOP conference series: materials science and engineering 310 (1)	6	2018
<a href="#">Milling of Nanoparticles Reinforced Al-Based Metal Matrix Composites</a> A Pramanik, AK Basak, Y Dong, S Shankar, G Littlefair Journal of Composites Science 2 (1), 13	10	2018
<a href="#">Wear prediction of hard carbon coated hard-on-hard hip implants using finite element method</a> S Shankar, R Siddarth, R Nithyaprakash, MS Uddin International Journal of Computer Aided Engineering and Technology 10 (4 ...	2	2018
<a href="#">Partial replacement of carbon black by nanoclay in butyl rubber compounds for tubeless tires</a> MK Harikrishna Kumar, S Shankar, R Rajasekar, P SamirKumar, ... Materials Testing 59 (11-12), 1054-1060	3	2017
<a href="#">A New Star Like Surface Texture Shape for Enhanced Hydrodynamic Lubrication Performance</a> MS Uddin, YW Liu, S Shankar Archives of Metallurgy and Materials 62 (3), 1861-1867		2017

TITLE	CITED BY	YEAR
<a href="#">Quasi-Static Crushing and Energy Absorption Characteristics of Thin-Walled Cylinders with Geometric Discontinuities of Various Aspect Ratios</a> N Baaskaran, K Ponappa, S Shankar Latin American Journal of Solids and Structures 14 (9), 1767-1787	8	2017
<a href="#">Ergonomics for Hand Screen Printing Workers: Cognitive Perception</a> S Shankar, J Karthick, R Naveenkumar Ergonomic Design of Products and Worksystems—21st Century Perspectives of ...		2017
<a href="#">Association of Job and Demographical Risk Factor with Occurrence of Neck Pain Among Hand Screen Printing Workers</a> S Shankar, S: Naveen Kumar, R: Mohankumar, P: Karthick, J: Pradeep Ergonomics in Caring for People, Chapter 17, 131-137	2 *	2017
<a href="#">Prevalence of Upper Limb Disorders and Investigation of Risk Factors Among Commercial Kitchen Male Workers in South India</a> S Shankar, J Shanmugam, M: Srinivasan Ergonomics in Caring for People, Chapter 14, 27-33	1	2017
<a href="#">Experimental Investigation and Process Parameter Optimization in Milling of 7075 – T6 Hybrid Aluminium Metal Matrix Composite using Response Surface Methodology</a> S Shankar, T Mohanraj Journal of the Balkan Tribological Association 23 (1), 124-138	4	2017
<a href="#">Combined Effect of Cup Abduction and Anteversion Angles on Long-Term Wear Evolution of PCD-on-PCD Hip Bearing Couple</a> S Shankar, K Gowthaman, MS Uddin International Journal of Biomedical Engineering and Technology 24 (2), 169-183	1	2017
<a href="#">Dry Sliding Wear Behaviour of Palmyra Shell Ash Reinforced Aluminium Matrix (AlSi10Mg) Composites</a> S Shankar, S Elango Tribology Transactions 60 (3), 469-478	9	2017
<a href="#">Investigation of Surface Texture Generated by Friction Drilling on Al2024-T6</a> M Boopathi, S Shankar, T Kanish Mechanics, Materials Science & Engineering MMSE Journal. Open Access 9	2	2017
<a href="#">Influence of Surface Texture Shape, Geometry and Orientation on Hydrodynamic Lubrication Performance of Plane-to-Plane Slider Surfaces</a> MS Uddin, T Ibatan, S Shankar Lubrication Science 29 (3), 153-181	37	2017
<a href="#">Influence of vegetable based cutting fluids on cutting force and vibration signature during milling of Aluminium metal matrix composites</a> S Shankar, T Mohanraj, K Ponappa Jurnal Tribologi 12 (1), 1-17	18	2017
<a href="#">Experimental and numerical investigation on plasma sprayed ceramic coatings for different coating thickness</a> M Kalayarasan, V Prabhu Raja, S Shankar, V Nithin, V Karthi International Journal of Computational Materials Science and Surface ...		2017

TITLE	CITED BY	YEAR
<a href="#">Prevalence of work-related musculoskeletal injuries among South Indian hand screen-printing workers</a> S Shankar, R Naveen Kumar, P Mohankumar, J Srinivasan WORK: A Journal of Prevention, Assessment & Rehabilitation 58 (2), 163-172	11	2017
<a href="#">Frictional characteristics of diamond like carbon and tungsten carbide/carbon coated high carbon high chromium steel against carbon in dry sliding conformal contact for ...</a> S Shankar, P Krishna Kumar Mechanics & Industry 18 (1), 115(1-7)	2	2017
<a href="#">Effect of Pretreatment Methods on Properties of Natural Fiber Composites: A Review</a> N Venkatachalam, P Navaneethakrishnan, R Rajsekar, S Shankar Polymers & Polymer Composites 24 (7), 555-566	48	2016
<a href="#">Investigations on Various Thread Designs &amp; Materials for Dental Implants – A 3D Finite Element Study</a> S Shankar, K Gowthaman, G Raja, C Nirmala, N Satheesh Kumar Trends in Biomaterials and Artificial Organs 30 (2), 100-105	1	2016
<a href="#">Multi-response milling process optimization using the Taguchi method coupled to grey relational analysis</a> S Shankar, T Mohanraj, SK Thangarasu Materials Testing 58 (5), 462-470	16	2016
<a href="#">Study of Citation Networks in Tribology Research</a> B Elango, B Lutz, S Shankar Collnet Journal of Scientometrics and Information Management 10 (1), 71-96	5	2016
<a href="#">Predicting Long-Term Wear Performance of Hard-on-Hard Bearing Couples - Effect of Cup Orientation</a> S Shankar, K Gowthaman, MS Uddin Medical & Biological Engineering & Computing 54 (10), 1541–1552	8	2016
<a href="#">Frictional characteristics of PVD coated mechanical seals against carbon under various classes of liquid lubricants</a> S Shankar, P Krishna Kumar Industrial Lubrication and Tribology 68 (5), 597- 602	7	2016
<a href="#">Experimental study on frictional characteristics of tungsten carbide versus carbon as mechanical seals under dry and eco-friendly lubrications</a> S Shankar, G Praveenkumar, P Krishnakumar International Journal of Refractory Metals and Hard Materials 54, 39-45	7	2016
<a href="#">Predicting the wear of soft on hard bearing couples for human hip prosthesis using finite element concepts</a> S Shankar, R Nithyaprakash Journal of Mechanics in Medicine and Biology 16 (3), 1650020 (1-17)	5	2016



TITLE	CITED BY	YEAR
<a href="#">Wear prediction of the lumbar total disc replacement using finite element method</a> S Shankar, D Kesavan Journal of Mechanics in Medicine and Biology 16 (2), 1650004 (1-12)	2	2016
<a href="#">Tool condition monitoring in milling using sensor fusion technique</a> S Shankar, T Mohanraj Proceedings of Malaysian International Tribology Conference 2015 2015, 322-323	8	2015
<a href="#">Wear in ceramic on ceramic type lumbar total disc replacement: effect of radial clearance</a> S Shankar, D Kesavan Bio-Medical Materials and Engineering 26 (1-2), 89-96	1	2015
<a href="#">Frictional study of alumina, 316 stainless steel, phosphor bronze versus carbon as mechanical seals under dry sliding conformal contact</a> S Shankar, G Praveenkumar, P Krishnakumar IMechE, Part J: Journal of Engineering Tribology 229 (11), 1292-1299	5	2015
<a href="#">Prediction of cutting force in turning process: an experimental and fuzzy approach</a> SK Thangarasu, S Shankar, T Mohanraj Journal of Intelligent & Fuzzy Systems 28 (4), 1785 - 1793	11	2015
<a href="#">Workplace factors and prevalence of Low Back Pain among Male Commercial kitchen workers</a> S Shankar, M Shanmugam, J Srinivasan Journal of Back and Musculoskeletal Rehabilitation 28 (3), 481-488	13	2015
<a href="#">Dry Sliding Wear and Friction Behavior of Aluminum-Rice Husk Ash Composite using Taguchi's Technique</a> M Senthilkumar, SD Saravanan, S Shankar Journal of Composite Materials 49 (8), 2241-2250	21	2015
<a href="#">Analysis of Pile-up/sink-in during spherical indentation for various strain hardening levels</a> S Shankar, P Loganathan, J Mertnes Structural Engineering and Mechanics, An International Journal 53 (3), 429-442	4	2015
<a href="#">Investigation of Work-related Musculoskeletal Disorders among Male kitchen workers in South India</a> S Shankar, M Shanmugam International Journal of Occupational Safety and Ergonomics 21 (4), 524-531	27	2015
<a href="#">Experimental and CFD investigations of carbon/SS316 mechanical face seals under different lubricating conditions</a> S Kavinasad, S Shankar, M Karthic Industrial Lubrication and Tribology 67 (2), 124-132	9	2015
<a href="#">Influence of Wear Co-efficient in Computational Wear Prediction for Human Hip Prosthesis</a> S Shankar, R Nithyaprakash International Colloquium on Materials, Manufacturing and Metrology, ICMMM ...		2014

TITLE	CITED BY	YEAR
<a href="#">Predicting the Wear of Ceramic-Ceramic Hip Prosthesis using Finite Element Method for different Radial Clearances</a> S Shankar Tribology - Materials, Surfaces & Interfaces 8 (4), 194-200	1	2014
<a href="#">Review article on wheat flour/wheat bran/wheat husk based bio composites</a> RS Shankar, SA Srinivasan, S Shankar, R Rajasekar, RN Kumar, ... Int Journal of Scientific and Research Publications 4 (4), 1-9	10 *	2014
<a href="#">Dynamic contact analysis of total hip prosthesis during normal active walking cycle</a> S Shankar, M Manikandan, M Kalayarasan International Journal of Biomedical Engineering and Technology 15 (2), 114-127	9	2014
<a href="#">Hand arm vibration measurement using micro-accelerometer in different brick structures</a> K Gomathi, A Senthilkumar, S Shankar, S Thangavel, R Mohanapriya Smart Structures and Systems, An international Journal 13 (6), 959-974	1	2014
<a href="#">Effect of Radial Clearance on Wear and Contact Pressure of Hard-on-Hard Hip Prosthesis using Finite Element Concepts</a> S Shankar, R Nithyaprakash Tribology Transactions 57 (5), 814-820	18	2014
<a href="#">Effect of radial clearance on wear of hard-on-hard hip prosthesis</a> S Shankar, R Nithyaprakash Technology Letters 1 (1), 28-32		2014
<a href="#">Simulation of muscle activation patterns in the hip joint during normal level walking followed by sit-to-stand movement between two hip implants</a> SN Omkar, V Boobalan, DV Ramesh, S Shankar Trends in Biomaterials and Artificial Organs 28 (1), 19-25	1	2014
<a href="#">Wear prediction on silicon nitride bearing couple in human hip prosthesis using finite element concepts</a> S Shankar, R Nithya Prakash Proc IMechE, Part J: Journal of Engineering Tribology 228 (7), 717-724	14	2014
<a href="#">Design and Fabrication of Semi-Automatic Road Reflector Stud Installation Machine</a> S Shankar, R Deepak Kumar, S Pradeep, M Navin Prasad Journal of Mechanical and Civil Engineering 10 (5), 20-23		2014
<a href="#">Dynamic contact analysis of total hip prosthesis during stumbling cycle</a> S Shankar, M Manikandan Journal of Mechanics in Medicine and Biology 14 (3), 1450041 (1-13)	16	2014
<a href="#">Investigation of chemically treated randomly oriented sansevieria ehrenbergii fiber reinforced isophthallic polyester composites</a> TP Sathishkumar, P Navaneethakrishnan, S Shankar, R Rajasekar Journal of Composite Materials 48 (24), 2961-2975	12	2014



TITLE	CITED BY	YEAR
<a href="#">Mechanical properties and water absorption of short snake grass fiber reinforced isophthallic polyester composites</a> TP Sathishkumar, P Navaneethakrishnan, S Shankar, R Rajasekar Fibers and Polymers 15 (9), 1927-1934	25	2014
<a href="#">Effect of Strain Hardening during Unloading for an Elastic-Plastic Hemisphere in Contact with a Rigid Flat</a> S Shankar, KA Arjun Mechanics of Advanced Materials and Structures 21 (2), 139-144	5	2014
<a href="#">Characterization of new cellulose sansevieria ehrenbergii fibers for polymer composites</a> TP Sathishkumar, P Navaneethakrishnan, S Shankar, R Rajasekar Composite Interfaces 20 (8), 575-593	107	2013
<a href="#">Investigation on various proximal femoral stem shapes for human hip prosthesis using finite element concepts</a> S Shankar, V Boobalan Trends in Biomaterials and Artificial Organs 27 (4), 153-161	2	2013
<a href="#">Experimental Investigation of Friction Drilling on Brass, Aluminium and Stainless Steel</a> M Boopathi, S Shankar, S Manikandakumar, R Ramesh Procedia Engineering 64, 1219-1226	53	2013
<a href="#">Experimental and CFD Investigations of Mechanical Seals under Dry/Compressed Air/Liquid Lubricating Conditions</a> M Karthic, S Kavinasprasad, S Shankar Procedia Engineering 64, 419-425	11	2013
<a href="#">Effect of Particle Size on Tribological Behavior of Rice Husk Ash Reinforced Aluminum alloy (AlSi10Mg) Matrix Composites</a> SD Saravanan, M Senthilkumar, S Shankar Tribology Transactions 56 (6), 1156-1167	54	2013
<a href="#">Characterization of natural fiber and composites - A review</a> TP Sathishkumar, P Navaneethakrishnan, S Shankar, R Rajasekar Journal of Reinforced Plastics and Composites 32 (19), 1457-1476	174	2013
<a href="#">Investigation of chemically treated longitudinally oriented snake grass fiber-reinforced isophthallic polyester composites</a> TP Sathishkumar, P Navaneethakrishnan, S Shankar, R Rajasekar Journal of Reinforced Plastics and Composites 32 (22), 1698-1714	13	2013
<a href="#">Mechanical properties and water absorption of snake grass longitudinal fiber reinforced isophthallic polyester composites</a> TP Sathishkumar, P Navaneethakrishnan, S Shankar, R Rajasekar Journal of Reinforced Plastics and Composites 32 (16), 1211-1223	21	2013
<a href="#">Muscle fatigue due to book arrangements in library shelf</a> S Shankar, A Josin Hippolitus International Journal of Mechanical Engineering and Research 3 (4), 262-265		2013

TITLE	CITED BY	YEAR
<a href="#">Material selection of acetabular component in human hip prosthesis using finite element concepts</a> S Shankar, L Prakash, M Kalayarasan International Journal Experimental and Computational Biomechanics 2 (2), 118-135	13	2013
<a href="#">Finite element analysis of different contact bearing couples for human hip prosthesis</a> S Shankar, L Prakash, M Kalayarasan International Journal of Biomedical Engineering and Technology 11 (1), 66-80	27	2013
<a href="#">Mechanical properties of randomly oriented snake grass fiber with banana and coir fiber-reinforced hybrid composites</a> TP Sathishkumar, P Navaneethakrishnan, S Shankar, J Kumar Journal of Composite Materials 47 (18), 2181-2191	47	2013
<a href="#">Tensile and flexural properties of snake grass natural fiber reinforced isophthallic polyester composites</a> TP Sathishkumar, P Navaneethakrishnan, S Shankar Composites Science and Technology 72 (10), 1183-1190	216	2012
<a href="#">Effect of temperature on an elastic–plastic hemispherical asperity in contact with a rigid flat</a> P Loganathan, S Shankar Int. J. of Computational Mat. Science and Surface Engg. 4 (4), 292-310		2011
<a href="#">Experimental and Theoretical Investigations on a Sphere in Contact with the Flat Plate</a> S Shankar, MM Mayuram RSM International Journal of Engineering, Technology and Management 1 (1), 18-33		2009
<a href="#">Effect of strain hardening in elastic–plastic transition behavior in a hemisphere in contact with a rigid flat</a> S Shankar, MM Mayuram International Journal of Solids and Structures 45 (10), 3009-3020	60	2008
<a href="#">Sliding interaction and wear studies between two hemispherical asperities based on finite element approach</a> S Shankar, MM Mayuram International Journal of Surface Science and Engineering 2 (1-2), 71-83	10	2008
<a href="#">A finite element based study on the elastic-plastic transition behavior in a hemisphere in contact with a rigid flat</a> S Shankar, MM Mayuram Journal of Tribology 130 (4), 044502 (1-6)	50	2008
<a href="#">Evaluation of contact parameters using single asperity contact model for the normal contact of rough surfaces</a> S Shankar, MM Mayuram Proc ASME, 1507-1513	1	2006

TITLE	CITED BY	YEAR
<a href="#">A Finite Element Study of Elastic-Plastic Contact Between Multiple Hemispherical Asperities</a> S Shankar, MM Mayuram Proc ASME 1, 395-396		2005
<a href="#">Design and fabrication of semiautomatic road reflector stud installation machine</a> RD Kumar, MN Prasad, S Pradeep, S Shankar IOSR Journal of Mechanical and Civil Engineering, e ISSN, 2278-1684	1	
<a href="#">Tool condition monitoring in milling process using sensor fusion technique</a> S Shankar Chennai		
<a href="#">WEAR PREDICTION OF THE PRODISC-L TOTAL DISC REPLACEMENT USING FINITE ELEMENT METHOD</a> D Kesavan, S Shankar		
<a href="#">Wear Prediction of the Metal on Polymer type Total Disc Replacement using Finite Element Method</a> D Kesavan, S Shankar		