# M Kamaraj

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|---|---|---|---|
| 138 papers | 3,241 citations | 31 h-index | 51 g-index |
| 141 ext. papers | 3,712 ext. citations | 3.1 avg, IF | 5.55 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 138 | Evolution of phase constitution with mechanical alloying and spark plasma sintering of nanocrystalline AlxCoCrFeNi (x = 0, 0.3, 0.6, 1 mol) high-entropy alloys. *Journal of Materials Research*, **2022**, 37, 959 | 2.5 | 1 |
| 137 | Creep Behaviour of Directionally Solidified Nickel-Base Superalloy CM 247: A Three-Dimensional Representation of Creep Curves. *Transactions of the Indian Institute of Metals*, **2021**, 74, 1787 | 1.2 | |
| 136 | Tribological analyses of a new optimized gearbox biodegradable lubricant blended with reduced graphene oxide nanoparticles. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2021**, 235, 901-915 | 1.4 | 8 |
| 135 | Artificial neural network and multi-criterion decision making approach of designing a blend of biodegradable lubricants and investigating its tribological properties. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2021**, 235, 1575-1589 | 1.4 | 4 |
| 134 | Hot corrosion-creep interaction in IN718 under simulated marine environment: Introducing strain-associated-time (SAT) plots for comprehensive understanding. *Corrosion Science*, **2021**, 190, 109667 | 6.8 | 1 |
| 133 | Core Shell Cathode Design with Molybdenum Trioxide as the Electrocatalytic Trapping Layer for High-Energy Density Room-Temperature Sodium Sulfur Batteries. *Journal of Physical Chemistry C*, **2020**, 124, 7615-7623 | 3.8 | 14 |
| 132 | Influence of Two Different Salt Mixture Combinations of Na2SO4-NaCl-NaVO3 on Hot Corrosion Behavior of Ni-Base Superalloy Nimonic263 at 800 C. *Journal of Materials Engineering and Performance*, **2019**, 28, 1077-1093 | 1.6 | 11 |
| 131 | Measurement of local creep strain in the notch region using AC potential drop technique. *Measurement: Journal of the International Measurement Confederation*, **2019**, 145, 500-502 | 4.6 | 2 |
| 130 | Effect of correction parameters on deposition characteristics in cold metal transfer welding. *Materials and Manufacturing Processes*, **2019**, 34, 1205-1216 | 4.1 | 12 |
| 129 | Cold Spray Coating Diagram: Bonding Properties and Construction Methodology. *Journal of Thermal Spray Technology*, **2019**, 28, 756-768 | 2.5 | 7 |
| 128 | Green Approach for Synthesizing Three Different Carbon Microstructures from a Single Biowaste Bombax malabaricum for Fully Biocompatible Flexible Supercapacitors and Their Performance in Various Electrolytes. *ACS Omega*, **2019**, 4, 6399-6410 | 3.9 | 9 |
| 127 | Improved Resistance of Nanoparticle-Laden Polymer Coatings Subjected to Combined Silt and Cavitation. *Materials Performance and Characterization*, **2019**, 7, 20180010 | 0.5 | |
| 126 | Study on the Aesthetic Behavior of Anodic Oxidation in ADC12 Aluminum Alloy. *Lecture Notes on Multidisciplinary Industrial Engineering*, **2019**, 527-535 | 0.3 | |
| 125 | Weld overlay coating of Inconel 617 M on type 316 L stainless steel by cold metal transfer process. *Surface and Coatings Technology*, **2019**, 357, 1004-1013 | 4.4 | 34 |
| 124 | Effect of Applied Energy on the Microstructure, Texture, and Mechanical Properties of Short-Circuit Metal Inert Gas-Welded Modified Cr-Mo Steel Joints. *Metallography, Microstructure, and Analysis*, **2019**, 8, 23-31 | 1.1 | 0 |
| 123 | An investigation of oxidation/hot corrosion-creep interaction at 800 C in a Ni-base superalloy coated with salt mixture deposits of Na2SO4-NaCl-NaVO3. *Corrosion Science*, **2019**, 147, 283-298 | 6.8 | 7 |
| 122 | Modelling the mechanical behaviour of heat-treated AISI 52100 bearing steel with retained austenite. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2018**, 232, 44-57 | 1.3 | 3 |

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| 121 | Performance of Partially Exfoliated Nitrogen-Doped Carbon Nanotubes Wrapped with Hierarchical Porous Carbon in Electrolytes. *ChemSusChem*, **2018**, 11, 1664-1677 | 8.3 | 17 |
| 120 | Synergistic Role of Electrolyte and Binder for Enhanced Electrochemical Storage for Sodium-Ion Battery. *ACS Omega*, **2018**, 3, 9945-9955 | 3.9 | 12 |
| 119 | Effect of deterioration in resin on strength characteristic of resin / metal dissimilar materials joint. *The Proceedings of Conference of Hokuriku-Shinetsu Branch*, **2018**, 2018.55, B043 | 0 | |
| 118 | Microstructure and mechanical properties of aluminium/steel dissimilar weldments: effect of heat input. *Materials Science and Technology*, **2017**, 33, 200-209 | 1.5 | 19 |
| 117 | Cold Metal Transfer Welding of Dissimilar A6061 Aluminium Alloy-AZ31B Magnesium Alloy: Effect of Heat Input on Microstructure, Residual Stress and Corrosion Behavior. *Transactions of the Indian Institute of Metals*, **2017**, 70, 1047-1054 | 1.2 | 4 |
| 116 | A pragmatic approach and quantitative assessment of silt erosion characteristics of HVOF and HVAF processed WC-CoCr coatings and 16Cr5Ni steel for hydro turbine applications. *Materials and Design*, **2017**, 132, 79-95 | 8.1 | 31 |
| 115 | First Report on the Deformation Mechanism Mapping of First and Second Generation Ni-Based Single Crystal Super Alloys. *Transactions of the Indian Institute of Metals*, **2017**, 70, 2485-2496 | 1.2 | 5 |
| 114 | Hardfacing of AISI H13 tool steel with Stellite 21 alloy using cold metal transfer welding process. *Surface and Coatings Technology*, **2017**, 326, 63-71 | 4.4 | 31 |
| 113 | Effect of Spray Particle Velocity on Cavitation Erosion Resistance Characteristics of HVOF and HVAF Processed 86WC-10Co4Cr Hydro Turbine Coatings. *Journal of Thermal Spray Technology*, **2016**, 25, 1217-1230 | 2.5 | 51 |
| 112 | High temperature mechanical properties of cryogenically cooled alloy 718 weldments. *Materials at High Temperatures*, **2016**, 33, 257-269 | 1.1 | 3 |
| 111 | Creep Damage Evaluation of DS CM247 Nickel Base Superalloy Using Alternate Current Potential Drop Technique. *Transactions of the Indian Institute of Metals*, **2016**, 69, 241-245 | 1.2 | 7 |
| 110 | Hot corrosion studies on Ni-base superalloy at 650℃ under marine-like environment conditions using three salt mixture (Na2SO4+NaCl+NaVO3). *Corrosion Science*, **2016**, 105, 109-119 | 6.8 | 55 |
| 109 | An innovative spraying setup to obtain uniform salt(s) mixture deposition to investigate hot corrosion. *Review of Scientific Instruments*, **2016**, 87, 025107 | 1.7 | 5 |
| 108 | Microstructure and mechanical properties of cold metal transfer welded aluminium/dual phase steel. *Science and Technology of Welding and Joining*, **2016**, 21, 194-200 | 3.7 | 23 |
| 107 | Effect of enhanced cooling on microstructure evolution of alloy 718 using the gas tungsten arc welding process. *Welding in the World, Le Soudage Dans Le Monde*, **2016**, 60, 899-914 | 1.9 | 12 |
| 106 | Cold metal transfer welding of aluminium to magnesium: microstructure and mechanical properties. *Science and Technology of Welding and Joining*, **2016**, 21, 310-316 | 3.7 | 10 |
| 105 | Effect of laser peening and shot peening on fatigue striations during FCGR study of Ti6Al4V. *International Journal of Fatigue*, **2016**, 93, 38-50 | 5 | 42 |
| 104 | Numerical evaluation of subsurface stress field under elastohydrodynamic line contact for AISI 52100 bearing steel with retained austenite. *Wear*, **2015**, 330-331, 636-642 | 3.5 | 10 |

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| 103 | Post-impact Fatigue Response of CFRP Laminates under Constant Amplitude and Programmed FALSTAFF Spectrum Loading. *Procedia Engineering*, **2015**, 101, 395-403 | | 7 |
| 102 | Erosion Characteristics of Nanoparticle-Reinforced Polyurethane Coatings on Stainless Steel Substrate. *Journal of Materials Engineering and Performance*, **2015**, 24, 1391-1405 | 1.6 | 13 |
| 101 | Experimental Characterization of Silt Erosion of 16Cr5Ni Steels and Prediction Using Artificial Neural Network. *Transactions of the Indian Institute of Metals*, **2015**, 68, 587-599 | 1.2 | 7 |
| 100 | Laves phase in alloy 718 fusion zone microscopic and calorimetric studies. *Materials Characterization*, **2015**, 100, 192-206 | 3.9 | 59 |
| 99 | Influence of low nickel (0.09 wt%) content on microstructure and toughness of P91 steel welds. *Metals and Materials International*, **2015**, 21, 538-542 | 2.4 | 10 |
| 98 | Dry sliding wear behaviour of zinc oxide reinforced magnesium matrix nano-composites. *Materials & Design*, **2014**, 58, 475-481 | | 85 |
| 97 | Sliding wear behaviour of alumina coatings prepared from mechanically milled powders. *Wear*, **2014**, 313, 11-18 | 3.5 | 10 |
| 96 | The effects of various reinforcements on dry sliding wear behaviour of AA 6061 nanocomposites. *Materials & Design*, **2014**, 64, 783-793 | | 42 |
| 95 | Microstructural characterization of liquid nitrogen cooled Alloy 718 fusion zone. *Journal of Materials Processing Technology*, **2014**, 214, 3141-3149 | 5.3 | 22 |
| 94 | Quantitative evaluation of 3D surface roughness parameters during cavitation exposure of 16Cr5Ni hydro turbine steel. *Wear*, **2014**, 320, 16-24 | 3.5 | 28 |
| 93 | Al-Si-Mn Alloy Coating on Aluminum Substrate Using Cold Metal Transfer (CMT) Welding Technique. *Jom*, **2014**, 66, 1061-1067 | 2.1 | 23 |
| 92 | Tribological and corrosion properties of Al12Si produced by selective laser melting. *Journal of Materials Research*, **2014**, 29, 2044-2054 | 2.5 | 108 |
| 91 | Effect of weld cooling rate on Laves phase formation in Inconel 718 fusion zone. *Journal of Materials Processing Technology*, **2014**, 214, 358-364 | 5.3 | 97 |
| 90 | Metal-cored arc welding process for joining of modified 9Cr-1Mo (P91) steel. *Journal of Manufacturing Processes*, **2013**, 15, 542-548 | 5 | 17 |
| 89 | Studies towards development of laser peening technology for martensitic stainless steel and titanium alloys for steam turbine applications. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 587, 352-358 | 5.3 | 23 |
| 88 | Microstructural Degradation in Power Plant Steels and Life Assessment of Power Plant Components. *Procedia Engineering*, **2013**, 55, 394-401 | | 1 |
| 87 | Improvement of Slurry Erosion Wear Resistance of 16Cr-5Ni Martensite Stainless Steel by LSA and LTH. *Journal of Materials Engineering and Performance*, **2013**, 22, 3689-3698 | 1.6 | 11 |
| 86 | Microstructure and dry sliding wear behaviour of titania and alumina titania coatings. *Surface Engineering*, **2013**, 29, 11-16 | 2.6 | 6 |

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| 85 | Understanding the Mechanism of Nanoparticle Formation in a Wire Explosion Process by Adopting the Optical Emission Technique. *Plasma Science and Technology*, **2013**, 15, 562-569 | 1.5 | 6 |
| 84 | Sliding wear behaviour of AZ31B magnesium alloy and nano-composite. *Transactions of Nonferrous Metals Society of China*, **2012**, 22, 60-65 | 3.3 | 47 |
| 83 | Synthesis and characterization of hexagonal nano tungsten carbide powder using multi walled carbon nanotubes. *International Journal of Refractory Metals and Hard Materials*, **2012**, 33, 53-57 | 4.1 | 14 |
| 82 | Role of nanocrystalline feedstock in the tribological behaviour of alumina coatings deposited by detonation gun. *International Journal of Refractory Metals and Hard Materials*, **2012**, 35, 108-114 | 4.1 | 5 |
| 81 | Fretting wear behavior of fine grain structured aluminium alloy formed by oil jet peening process under dry sliding condition. *Wear*, **2012**, 294-295, 427-437 | 3.5 | 9 |
| 80 | Laser surface modification of steel for slurry erosion resistance in power plants **2012**, 177-287 | | 2 |
| 79 | Generation and characterization of zirconium nitride nanoparticles by wire explosion process. *Ceramics International*, **2012**, 38, 5507-5512 | 5.1 | 16 |
| 78 | A comparative study on wear behavior of TiN and diamond coated WC□Co substrates against hypereutectic Al□Si alloys. *Applied Surface Science*, **2012**, 261, 520-527 | 6.7 | 14 |
| 77 | Fretting wear behavior of controlled ball impact treated aluminium alloy under dry sliding condition. *Surface and Coatings Technology*, **2012**, 207, 450-460 | 4.4 | 12 |
| 76 | Surface nanocrystallization of aluminium alloy by controlled ball impact technique. *Surface and Coatings Technology*, **2012**, 210, 78-89 | 4.4 | 19 |
| 75 | Effect of solid lubricants on friction and wear behaviour of alloyed gray cast iron. *Sadhana - Academy Proceedings in Engineering Sciences*, **2012**, 37, 569-577 | 1 | 12 |
| 74 | Influence of Load and Sliding Speed on Friction and Interface Temperature of Hypereutectic Alloyed Gray Cast Iron. *Transactions of the Indian Institute of Metals*, **2012**, 65, 289-296 | 1.2 | 2 |
| 73 | Effect of sliding speed on wear behaviour of nitrided martensitic stainless steel under boric acid and MoS2 lubrication. *Surface Engineering*, **2012**, 28, 192-194 | 2.6 | 5 |
| 72 | Laves Phase Control in Inconel 718 Weldments. *Materials Science Forum*, **2012**, 710, 614-619 | 0.4 | 51 |
| 71 | Generation and Characterization of Zirconium Carbide Nanoparticles by Wire Explosion Process. *Materials Transactions*, **2012**, 53, 1420-1424 | 1.3 | 5 |
| 70 | Influence of aging treatment on microstructure, wear and corrosion behavior of a nickel base hardfaced coating. *Wear*, **2011**, 272, 7-17 | 3.5 | 18 |
| 69 | A Study on Influence of Aging Treatment on Sliding Wear Resistance of a Nickel Based Hardfacing Alloy. *Transactions of the Indian Institute of Metals*, **2011**, 64, 453-460 | 1.2 | 1 |
| 68 | A Study on Factors Influencing Toughness of Basic Flux-Cored Weld of Modified 9Cr-1Mo Steel. *Journal of Materials Engineering and Performance*, **2011**, 20, 1188-1195 | 1.6 | 5 |

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| 67 | Mechanical and wear behavior of quenched and tempered alloyed hypereutectic gray cast iron. *Materials & Design*, **2011**, 32, 2438-2443 | | 25 |
| 66 | Mechanical and wear behavior of alloyed gray cast iron in the quenched and tempered and austempered conditions. *Materials & Design*, **2011**, 32, 4042-4049 | | 30 |
| 65 | Wear and friction behavior of alloyed gray cast iron with solid lubricants under boundary lubrication. *Tribology International*, **2011**, 44, 1168-1173 | 4.9 | 27 |
| 64 | Effect of Aging Treatment on Microstructure and Wear Behaviour of a Nickel Based Hardfaced Coating. *Advanced Materials Research*, **2011**, 194-196, 2284-2289 | 0.5 | |
| 63 | Dry Sliding Wear Behaviour of Oil Jet Peened Aluminium Alloy, AA6063-T6. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, **2010**, 224, 1189-1196 | 1.4 | 2 |
| 62 | Effect of Boron Carbide Addition on Wear Behaviour of Cobalt Based Hardfacings by Plasma Transferred Arc Process. *Materials Science Forum*, **2010**, 638-642, 3745-3750 | 0.4 | |
| 61 | Generation and characterisation of nano tungsten carbide particle by wire explosion process **2010**, | | 1 |
| 60 | Mechanical and wear behaviour of alloyed hypereutectic grey cast iron. *Materials Science and Technology*, **2010**, 26, 842-848 | 1.5 | 7 |
| 59 | Generation and characterization of nano-tungsten carbide particles by wire explosion process. *Journal of Alloys and Compounds*, **2010**, 496, 122-128 | 5.7 | 27 |
| 58 | Processing and properties of nanocrystalline CuNiCoZnAlTi high entropy alloys by mechanical alloying. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 1027-1030 | 5.3 | 178 |
| 57 | Friction and wear behavior of surface nanocrystallized aluminium alloy under dry sliding condition. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2010**, 168, 176-181 | 3.1 | 32 |
| 56 | Fretting fatigue behavior of surface modified biomedical titanium alloys. *Transactions of the Indian Institute of Metals*, **2010**, 63, 217-223 | 1.2 | 6 |
| 55 | Laser modification of detonation-gun sprayed ferro-boron coatings on AISI 304L SS. *Transactions of the Indian Institute of Metals*, **2010**, 63, 751-756 | 1.2 | 4 |
| 54 | Mechanical behaviour of an austempered ductile iron. *Transactions of the Indian Institute of Metals*, **2010**, 63, 779-785 | 1.2 | 1 |
| 53 | Slurry Erosion Characteristics and Erosive Wear Mechanisms of Co-Based and Ni-Based Coatings Formed by Laser Surface Alloying. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2010**, 41, 470-486 | 2.3 | 32 |
| 52 | Formation and Stability of Equiatomic and Nonequiatomic Nanocrystalline CuNiCoZnAlTi High-Entropy Alloys by Mechanical Alloying. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2010**, 41, 2703-2709 | 2.3 | 83 |
| 51 | Comparative Wear Behavior of MoS2 and WS2 Coating on Plasma-Nitrided SG iron. *Journal of Materials Engineering and Performance*, **2010**, 19, 166-170 | 1.6 | 6 |
| 50 | Structure and Property Studies on Austempered and As-Cast Ausferritic Gray Cast Irons. *Journal of Materials Engineering and Performance*, **2010**, 19, 976-983 | 1.6 | 11 |

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| 49 | Hot consolidation and mechanical properties of nanocrystalline equiatomic AlFeTiCrZnCu high entropy alloy after mechanical alloying. *Journal of Materials Science*, **2010**, 45, 5158-5163 | 4.3 | 87 |
| 48 | Studies on mechanical and wear properties of alloyed hypereutectic gray cast irons in the as-cast pearlitic and austempered conditions. *Materials & Design*, **2010**, 31, 951-955 | | 26 |
| 47 | Microstructural evolution and mechanical properties of oil jet peened aluminium alloy, AA6063-T6. *Materials & Design*, **2010**, 31, 4066-4075 | | 20 |
| 46 | Structure–property correlation in austempered alloyed hypereutectic gray cast irons. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 782-788 | 5.3 | 15 |
| 45 | Wear behavior of alloyed hypereutectic gray cast iron. *Tribology International*, **2010**, 43, 647-653 | 4.9 | 28 |
| 44 | Studies on high temperature wear and its mechanism of Al–Si/graphite composite under dry sliding conditions. *Tribology International*, **2010**, 43, 2152-2158 | 4.9 | 54 |
| 43 | The microstructure and high temperature wear performance of a nickel base hardfaced coating. *Surface and Coatings Technology*, **2010**, 204, 4034-4043 | 4.4 | 85 |
| 42 | Microstructure and Mechanical Properties of 9Cr-1Mo Steel Weld Fusion Zones as a Function of Weld Metal Composition. *Journal of Materials Engineering and Performance*, **2009**, 18, 999-1004 | 1.6 | 46 |
| 41 | Influence of microstructure on slurry erosive wear characteristics of laser surface alloyed 13Cr–4Ni steel. *Wear*, **2009**, 267, 204-212 | 3.5 | 43 |
| 40 | Creep ductility of 1Cr1Mo1/4V low alloy forging and casting steels. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 510-511, 51-57 | 5.3 | |
| 39 | A study on influence of shielding gas composition on toughness of flux-cored arc weld of modified 9Cr–1Mo (P91) steel. *Journal of Materials Processing Technology*, **2009**, 209, 5245-5253 | 5.3 | 37 |
| 38 | Effect of misch metal inoculation on microstructure, mechanical and wear properties of hypoeutectic gray cast irons. *Materials & Design*, **2009**, 30, 4488-4492 | | 18 |
| 37 | Continuous drive friction welding of Inconel 718 and EN24 dissimilar metal combination. *Materials Science and Technology*, **2009**, 25, 851-861 | 1.5 | 30 |
| 36 | Microstructure and high temperature strength of age hardenable AA2219 aluminium alloy modified by Sc, Mg and Zr additions. *Materials Science and Technology*, **2009**, 25, 92-101 | 1.5 | 9 |
| 35 | Effect of TIG arc surface melting process on weld metal toughness of modified 9Cr-1Mo (P91) steel. *Materials Letters*, **2008**, 62, 2817-2820 | 3.3 | 16 |
| 34 | Synthesis and characterization of nanocrystalline AlFeTiCrZnCu high entropy solid solution by mechanical alloying. *Journal of Alloys and Compounds*, **2008**, 460, 253-257 | 5.7 | 224 |
| 33 | Effect of scanning speed, nozzle stand-off distance and beam scan-off distance on coating properties of laser surface alloyed 13Cr-4Ni steel. *Transactions of the Indian Institute of Metals*, **2008**, 61, 183-186 | 1.2 | 2 |
| 32 | Effect of surface treatments on fretting fatigue damage of biomedical titanium alloys. *Tribology International*, **2007**, 40, 82-88 | 4.9 | 60 |

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| 31 | Fretting wear studies on uncoated, plasma nitrided and laser nitrided biomedical titanium alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2007**, 445-446, 446-453 | 5.3 | 24 |
| 30 | Microstructural aspects of plasma transferred arc surfaced Ni-based hardfacing alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 456, 11-19 | 5.3 | 85 |
| 29 | Microstructure and high temperature stability of age hardenable AA2219 aluminium alloy modified by Sc, Mg and Zr additions. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 464, 192-201 | 5.3 | 42 |
| 28 | Development and use of combined wear testing equipment for evaluating galling and high stress sliding wear behaviour. *Materials & Design*, **2007**, 28, 987-992 | | 13 |
| 27 | Slurry Erosion Studies on Surface Modified 13Cr-4Ni Steels: Effect of Angle of Impingement and Particle Size. *Journal of Materials Engineering and Performance*, **2007**, 16, 567-572 | 1.6 | 70 |
| 26 | Fretting wear studies on PVD TiN coated, ion implanted and thermally oxidised biomedical titanium alloys. *Surface Engineering*, **2007**, 23, 209-215 | 2.6 | 7 |
| 25 | Dry Sliding Wear of a Powder Metallurgy Copper-based Metal Matrix Composite Reinforced with Iron Aluminide Intermetallic Particles. *Journal of Composite Materials*, **2007**, 41, 1713-1728 | 2.7 | 14 |
| 24 | Effect of surface modified layers on fretting fatigue damage of biomedical titanium alloys. *Materials Science and Technology*, **2006**, 22, 1119-1125 | 1.5 | 12 |
| 23 | Microstructure and wear characteristics of nickel based hardfacing alloys deposited by plasma transferred arc welding. *Materials Science and Technology*, **2006**, 22, 975-980 | 1.5 | 17 |
| 22 | Wear behaviour of Fe3 Al intermetallic particle reinforced PM based iron metal matrix composites. *Powder Metallurgy*, **2006**, 49, 374-379 | 1.9 | 1 |
| 21 | Damage characterization of unmodified and surface modified medical grade titanium alloys under fretting fatigue condition. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 416, 253-260 | 5.3 | 13 |
| 20 | Characterization of fretting fatigue damage of PVD TiN coated biomedical titanium alloys. *Surface and Coatings Technology*, **2006**, 200, 4538-4542 | 4.4 | 51 |
| 19 | Fretting fatigue studies of titanium nitride-coated biomedical titanium alloys. *Journal of Materials Engineering and Performance*, **2006**, 15, 553-557 | 1.6 | 15 |
| 18 | Reasons for superior mechanical and corrosion properties of 2219 aluminum alloy electron beam welds. *Materials Characterization*, **2005**, 55, 345-354 | 3.9 | 60 |
| 17 | Grain refinement through arc manipulation techniques in Al□Cu alloy GTA welds. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 404, 227-234 | 5.3 | 56 |
| 16 | Improving mechanical properties of 2219 aluminium alloy GTA welds by scandium addition. *Science and Technology of Welding and Joining*, **2005**, 10, 418-426 | 3.7 | 11 |
| 15 | Rafting in single crystal nickel-base superalloys □An overview. *Sadhana - Academy Proceedings in Engineering Sciences*, **2003**, 28, 115-128 | 1 | 105 |
| 14 | Shear Creep Deformation of the Super Alloy Single Crystal CMSX-4 at High Temperatures and Low Stresses. *Materialwissenschaft Und Werkstofftechnik*, **2003**, 34, 469-477 | 0.9 | 7 |

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| 13 | Influence of stress state on the kinetics of Echannel widening during high temperature and low stress creep of the single crystal superalloy CMSX-4. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 319-321, 796-799 | 5.3 | 31 |
| 12 | On the influence of stress state on rafting in the single crystal superalloy CMSX-6 under conditions of high temperature and low stress creep. *Scripta Materialia*, **1998**, 38, 589-594 | 5.6 | 54 |
| 11 | CREEP LIFE ASSESSMENT OF AUSTENITIC STAINLESS STEEL WELDMENT AT 873-1073 K **1992**, 297-302 | | |
| 10 | Life Estimation of Cracked Stainless Steel Components Under Creep Conditions. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **1991**, 113, 303-306 | 1.8 | 2 |
| 9 | An Analysis of High-Temperature Crack Growth in Type 308 Cb Stainless Steel and Its Weldment. *Journal of Pressure Vessel Technology, Transactions of the ASME*, **1991**, 113, 538-541 | 1.2 | |
| 8 | Relation between rupture time and steady state rate integral. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1990**, 127, L15-L18 | 5.3 | 1 |
| 7 | Creep crack growth in type 316 stainless steel and its weldment. *High Temperature Technology*, **1990**, 8, 219-226 | | 2 |
| 6 | High temperature crack growth in austenitic weld metal. *Engineering Fracture Mechanics*, **1989**, 33, 801-81 | 4.1 | 4 |
| 5 | Creep Cracking in Austenitic Weld Metal **1989**, 1869-1876 | | |
| 4 | Crack growth in creep-brittle materials. *Materials Science and Engineering*, **1987**, 92, L11-L14 | | 3 |
| 3 | Effect of temperature on crack growth in type 304 stainless steel. *Materials Science and Engineering* , **1987**, 96, 89-98 | | 5 |
| 2 | High Temperature Dry Sliding Wear Behaviour of Al-Si/Graphite Composites Processed by Stir Casting191-198 | | |
| 1 | Microstructural Characterization and Tribological Properties of Atmospheric Plasma Sprayed High Entropy Alloy Coatings. *Journal of Thermal Spray Technology*, | 2.5 | 1 |