

M Kamaraj

List of Publications by Year in descending order

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papers

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3363
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#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of nanocrystalline AlFeTiCrZnCu high entropy solid solution by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2008, 460, 253-257.	2.8	280
2	Processing and properties of nanocrystalline CuNiCoZnAlTi high entropy alloys by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 1027-1030.	2.6	219
3	Tribological and corrosion properties of Al ¹² Si produced by selective laser melting. <i>Journal of Materials Research</i> , 2014, 29, 2044-2054.	1.2	138
4	Rafting in single crystal nickel-base superalloys – An overview. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2003, 28, 115-128.	0.8	129
5	Effect of weld cooling rate on Laves phase formation in Inconel 718 fusion zone. <i>Journal of Materials Processing Technology</i> , 2014, 214, 358-364.	3.1	128
6	Dry sliding wear behaviour of zinc oxide reinforced magnesium matrix nano-composites. <i>Materials & Design</i> , 2014, 58, 475-481.	5.1	111
7	Hot consolidation and mechanical properties of nanocrystalline equiatomic AlFeTiCrZnCu high entropy alloy after mechanical alloying. <i>Journal of Materials Science</i> , 2010, 45, 5158-5163.	1.7	110
8	The microstructure and high temperature wear performance of a nickel base hardfaced coating. <i>Surface and Coatings Technology</i> , 2010, 204, 4034-4043.	2.2	104
9	Microstructural aspects of plasma transferred arc surfaced Ni-based hardfacing alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 456, 11-19.	2.6	100
10	Formation and Stability of Equiatomic and Nonequiatomic Nanocrystalline CuNiCoZnAlTi High-Entropy Alloys by Mechanical Alloying. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 2703-2709.	1.1	100
11	Slurry Erosion Studies on Surface Modified 13Cr-4Ni Steels: Effect of Angle of Impingement and Particle Size. <i>Journal of Materials Engineering and Performance</i> , 2007, 16, 567-572.	1.2	86
12	Laves phase in alloy 718 fusion zone – microscopic and calorimetric studies. <i>Materials Characterization</i> , 2015, 100, 192-206.	1.9	78
13	Reasons for superior mechanical and corrosion properties of 2219 aluminum alloy electron beam welds. <i>Materials Characterization</i> , 2005, 55, 345-354.	1.9	75
14	Hot corrosion studies on Ni-base superalloy at 650°C under marine-like environment conditions using three salt mixture (Na ₂ SO ₄ +NaCl+NaVO ₃). <i>Corrosion Science</i> , 2016, 105, 109-119.	3.0	75
15	Weld overlay coating of Inconel 617 on type 316 stainless steel by cold metal transfer process. <i>Surface and Coatings Technology</i> , 2019, 357, 1004-1013.	2.2	70
16	Effect of surface treatments on fretting fatigue damage of biomedical titanium alloys. <i>Tribology International</i> , 2007, 40, 82-88.	3.0	69
17	Studies on high temperature wear and its mechanism of Al ¹² Si/graphite composite under dry sliding conditions. <i>Tribology International</i> , 2010, 43, 2152-2158.	3.0	67
18	Effect of Spray Particle Velocity on Cavitation Erosion Resistance Characteristics of HVOF and HVOF Processed 86WC-10Co4Cr Hydro Turbine Coatings. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 1217-1230.	1.6	66

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19	Grain refinement through arc manipulation techniques in Al-Cu alloy GTA welds. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 404, 227-234.	2.6	63
20	Effect of laser peening and shot peening on fatigue striations during FCGR study of Ti6Al4V. <i>International Journal of Fatigue</i> , 2016, 93, 38-50.	2.8	63
21	On the influence of stress state on rafting in the single crystal superalloy CMSX-6 under conditions of high temperature and low stress creep. <i>Scripta Materialia</i> , 1998, 38, 589-594.	2.6	62
22	Laves Phase Control in Inconel 718 Weldments. <i>Materials Science Forum</i> , 0, 710, 614-619.	0.3	61
23	Characterization of fretting fatigue damage of PVD TiN coated biomedical titanium alloys. <i>Surface and Coatings Technology</i> , 2006, 200, 4538-4542.	2.2	58
24	Microstructure and high temperature stability of age hardenable AA2219 aluminium alloy modified by Sc, Mg and Zr additions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 464, 192-201.	2.6	58
25	Sliding wear behaviour of AZ31B magnesium alloy and nano-composite. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 60-65.	1.7	58
26	The effects of various reinforcements on dry sliding wear behaviour of AA 6061 nanocomposites. <i>Materials & Design</i> , 2014, 64, 783-793.	5.1	58
27	Influence of microstructure on slurry erosive wear characteristics of laser surface alloyed 13Cr-4Ni steel. <i>Wear</i> , 2009, 267, 204-212.	1.5	52
28	Microstructure and Mechanical Properties of 9Cr-1Mo Steel Weld Fusion Zones as a Function of Weld Metal Composition. <i>Journal of Materials Engineering and Performance</i> , 2009, 18, 999-1004.	1.2	51
29	Hardfacing of AISI H13 tool steel with Stellite 21 alloy using cold metal transfer welding process. <i>Surface and Coatings Technology</i> , 2017, 326, 63-71.	2.2	48
30	A study on influence of shielding gas composition on toughness of flux-cored arc weld of modified 9Cr-1Mo (P91) steel. <i>Journal of Materials Processing Technology</i> , 2009, 209, 5245-5253.	3.1	43
31	A pragmatic approach and quantitative assessment of silt erosion characteristics of HVOF and HVOF processed WC-CoCr coatings and 16Cr5Ni steel for hydro turbine applications. <i>Materials and Design</i> , 2017, 132, 79-95.	3.3	43
32	Influence of stress state on the kinetics of λ -channel widening during high temperature and low stress creep of the single crystal superalloy CMSX-4. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 319-321, 796-799.	2.6	40
33	Friction and wear behavior of surface nanocrystallized aluminium alloy under dry sliding condition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 168, 176-181.	1.7	40
34	Continuous drive friction welding of Inconel 718 and EN24 dissimilar metal combination. <i>Materials Science and Technology</i> , 2009, 25, 851-861.	0.8	38
35	Al-Si-Mn Alloy Coating on Aluminum Substrate Using Cold Metal Transfer (CMT) Welding Technique. <i>Jom</i> , 2014, 66, 1061-1067.	0.9	38
36	Generation and characterization of nano-tungsten carbide particles by wire explosion process. <i>Journal of Alloys and Compounds</i> , 2010, 496, 122-128.	2.8	35

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37	Mechanical and wear behavior of alloyed gray cast iron in the quenched and tempered and austempered conditions. <i>Materials & Design</i> , 2011, 32, 4042-4049.	5.1	35
38	Studies towards development of laser peening technology for martensitic stainless steel and titanium alloys for steam turbine applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 587, 352-358.	2.6	35
39	Slurry Erosion Characteristics and Erosive Wear Mechanisms of Co-Based and Ni-Based Coatings Formed by Laser Surface Alloying. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 470-486.	1.1	34
40	Quantitative evaluation of 3D surface roughness parameters during cavitation exposure of 16Cr5Ni hydro turbine steel. <i>Wear</i> , 2014, 320, 16-24.	1.5	34
41	Wear behavior of alloyed hypereutectic gray cast iron. <i>Tribology International</i> , 2010, 43, 647-653.	3.0	33
42	Wear and friction behavior of alloyed gray cast iron with solid lubricants under boundary lubrication. <i>Tribology International</i> , 2011, 44, 1168-1173.	3.0	29
43	Microstructural characterization of liquid nitrogen cooled Alloy 718 fusion zone. <i>Journal of Materials Processing Technology</i> , 2014, 214, 3141-3149.	3.1	29
44	Fretting wear studies on uncoated, plasma nitrided and laser nitrided biomedical titanium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 445-446, 446-453.	2.6	28
45	Microstructure and mechanical properties of aluminium/steel dissimilar weldments: effect of heat input. <i>Materials Science and Technology</i> , 2017, 33, 200-209.	0.8	28
46	Studies on mechanical and wear properties of alloyed hypereutectic gray cast irons in the as-cast pearlitic and austempered conditions. <i>Materials & Design</i> , 2010, 31, 951-955.	5.1	27
47	Influence of aging treatment on microstructure, wear and corrosion behavior of a nickel base hardfaced coating. <i>Wear</i> , 2011, 272, 7-17.	1.5	27
48	Metal-cored arc welding process for joining of modified 9Cr-1Mo (P91) steel. <i>Journal of Manufacturing Processes</i> , 2013, 15, 542-548.	2.8	27
49	Synergistic Role of Electrolyte and Binder for Enhanced Electrochemical Storage for Sodium-Ion Battery. <i>ACS Omega</i> , 2018, 3, 9945-9955.	1.6	27
50	Mechanical and wear behavior of quenched and tempered alloyed hypereutectic gray cast iron. <i>Materials & Design</i> , 2011, 32, 2438-2443.	5.1	26
51	Microstructure and mechanical properties of cold metal transfer welded aluminium/dual phase steel. <i>Science and Technology of Welding and Joining</i> , 2016, 21, 194-200.	1.5	26
52	Microstructural evolution and mechanical properties of oil jet peened aluminium alloy, AA6063-T6. <i>Materials & Design</i> , 2010, 31, 4066-4075.	5.1	25
53	Surface nanocrystallization of aluminium alloy by controlled ball impact technique. <i>Surface and Coatings Technology</i> , 2012, 210, 78-89.	2.2	25
54	Microstructure and wear characteristics of nickel based hardfacing alloys deposited by plasma transferred arc welding. <i>Materials Science and Technology</i> , 2006, 22, 975-980.	0.8	24

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55	Performance of Partially Exfoliated Nitrogen-Doped Carbon Nanotubes Wrapped with Hierarchical Porous Carbon in Electrolytes. <i>ChemSusChem</i> , 2018, 11, 1664-1677.	3.6	23
56	Generation and characterization of zirconium nitride nanoparticles by wire explosion process. <i>Ceramics International</i> , 2012, 38, 5507-5512.	2.3	21
57	Effect of misch metal inoculation on microstructure, mechanical and wear properties of hypoeutectic gray cast irons. <i>Materials & Design</i> , 2009, 30, 4488-4492.	5.1	20
58	Effect of correction parameters on deposition characteristics in cold metal transfer welding. <i>Materials and Manufacturing Processes</i> , 2019, 34, 1205-1216.	2.7	20
59	Core-Shell Cathode Design with Molybdenum Trioxide as the Electrocatalytic Trapping Layer for High-Energy Density Room-Temperature Sodium Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7615-7623.	1.5	20
60	Fretting Fatigue Studies of Titanium Nitride-Coated Biomedical Titanium Alloys. <i>Journal of Materials Engineering and Performance</i> , 2006, 15, 553-557.	1.2	19
61	Structure-property correlation in austempered alloyed hypereutectic gray cast irons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 782-788.	2.6	19
62	Effect of enhanced cooling on microstructure evolution of alloy 718 using the gas tungsten arc welding process. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2016, 60, 899-914.	1.3	19
63	Cold Spray Coating Diagram: Bonding Properties and Construction Methodology. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 756-768.	1.6	19
64	Tribological analyses of a new optimized gearbox biodegradable lubricant blended with reduced graphene oxide nanoparticles. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2021, 235, 901-915.	1.0	19
65	Effect of TIG arc surface melting process on weld metal toughness of modified 9Cr-1Mo (P91) steel. <i>Materials Letters</i> , 2008, 62, 2817-2820.	1.3	18
66	Synthesis and characterization of hexagonal nano tungsten carbide powder using multi walled carbon nanotubes. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012, 33, 53-57.	1.7	17
67	A comparative study on wear behavior of TiN and diamond coated WC-Co substrates against hypereutectic Al-Si alloys. <i>Applied Surface Science</i> , 2012, 261, 520-527.	3.1	17
68	Influence of Two Different Salt Mixture Combinations of Na ₂ SO ₄ -NaCl-NaVO ₃ on Hot Corrosion Behavior of Ni-Base Superalloy Nimonic263 at 800°C. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 1077-1093.	1.2	17
69	Green Approach for Synthesizing Three Different Carbon Microstructures from a Single Biowaste <i>Bombax malabaricum</i> for Fully Biocompatible Flexible Supercapacitors and Their Performance in Various Electrolytes. <i>ACS Omega</i> , 2019, 4, 6399-6410.	1.6	17
70	Fretting wear behavior of fine grain structured aluminium alloy formed by oil jet peening process under dry sliding condition. <i>Wear</i> , 2012, 294-295, 427-437.	1.5	16
71	Effect of solid lubricants on friction and wear behaviour of alloyed gray cast iron. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2012, 37, 569-577.	0.8	16
72	Improvement of Slurry Erosion Wear Resistance of 16Cr-5Ni Martensite Stainless Steel by LSA and LTH. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 3689-3698.	1.2	16

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73	Erosion Characteristics of Nanoparticle-Reinforced Polyurethane Coatings on Stainless Steel Substrate. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 1391-1405.	1.2	16
74	Development and use of combined wear testing equipment for evaluating galling and high stress sliding wear behaviour. <i>Materials & Design</i> , 2007, 28, 987-992.	5.1	15
75	An investigation of oxidation/hot corrosion-creep interaction at 800 Å°C in a Ni-base superalloy coated with salt mixture deposits of Na ₂ SO ₄ -NaCl-NaVO ₃ . <i>Corrosion Science</i> , 2019, 147, 283-298.	3.0	15
76	Dry Sliding Wear of a Powder Metallurgy Copper-based Metal Matrix Composite Reinforced with Iron Aluminide Intermetallic Particles. <i>Journal of Composite Materials</i> , 2007, 41, 1713-1728.	1.2	14
77	Fretting wear behavior of controlled ball impact treated aluminium alloy under dry sliding condition. <i>Surface and Coatings Technology</i> , 2012, 207, 450-460.	2.2	14
78	Improving mechanical properties of 2219 aluminium alloy GTA welds by scandium addition. <i>Science and Technology of Welding and Joining</i> , 2005, 10, 418-426.	1.5	13
79	Damage characterization of unmodified and surface modified medical grade titanium alloys under fretting fatigue condition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 416, 253-260.	2.6	13
80	Effect of surface modified layers on fretting fatigue damage of biomedical titanium alloys. <i>Materials Science and Technology</i> , 2006, 22, 1119-1125.	0.8	13
81	Microstructure and high temperature strength of age hardenable AA2219 aluminium alloy modified by Sc, Mg and Zr additions. <i>Materials Science and Technology</i> , 2009, 25, 92-101.	0.8	13
82	Influence of low nickel (0.09 wt%) content on microstructure and toughness of P91 steel welds. <i>Metals and Materials International</i> , 2015, 21, 538-542.	1.8	13
83	Structure and Property Studies on Austempered and As-Cast Ausferritic Gray Cast Irons. <i>Journal of Materials Engineering and Performance</i> , 2010, 19, 976-983.	1.2	12
84	Sliding wear behaviour of alumina coatings prepared from mechanically milled powders. <i>Wear</i> , 2014, 313, 11-18.	1.5	12
85	Numerical evaluation of subsurface stress field under elastohydrodynamic line contact for AISI 52100 bearing steel with retained austenite. <i>Wear</i> , 2015, 330-331, 636-642.	1.5	12
86	Cold metal transfer welding of aluminium to magnesium: microstructure and mechanical properties. <i>Science and Technology of Welding and Joining</i> , 2016, 21, 310-316.	1.5	12
87	Title is missing!. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2003, 34, 469-477.	0.5	11
88	Experimental Characterization of Silt Erosion of 16CrÅ5Ni Steels and Prediction Using Artificial Neural Network. <i>Transactions of the Indian Institute of Metals</i> , 2015, 68, 587-599.	0.7	11
89	Hot corrosion-creep interaction in IN718 under simulated marine environment: Introducing strain-associated-time (SAT) plots for comprehensive understanding. <i>Corrosion Science</i> , 2021, 190, 109667.	3.0	11
90	Evolution of phase constitution with mechanical alloying and spark plasma sintering of nanocrystalline Al _x CoCrFeNi (xÅ=Å0, 0.3, 0.6, 1Åmol) high-entropy alloys. <i>Journal of Materials Research</i> , 2022, 37, 959-975.	1.2	11

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91	Fretting fatigue behavior of surface modified biomedical titanium alloys. Transactions of the Indian Institute of Metals, 2010, 63, 217-223.	0.7	10
92	Mechanical and wear behaviour of alloyed hypereutectic grey cast iron. Materials Science and Technology, 2010, 26, 842-848.	0.8	10
93	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.	1.0	10
94	Comparative Wear Behavior of MoS ₂ and WS ₂ Coating on Plasma-Nitrided SG iron. Journal of Materials Engineering and Performance, 2010, 19, 166-170.	1.2	9
95	Post-impact Fatigue Response of CFRP Laminates under Constant Amplitude and Programmed FALSTAFF Spectrum Loading. Procedia Engineering, 2015, 101, 395-403.	1.2	9
96	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.	0.7	9
97	Fretting wear studies on PVD TiN coated, ion implanted and thermally oxidised biomedical titanium alloys. Surface Engineering, 2007, 23, 209-215.	1.1	8
98	Dry Sliding Wear Behavior of Magnesium Nanocomposites Using Response Surface Methodology. Journal of Tribology, 2022, 144, .	1.0	8
99	Effect of sliding speed on wear behaviour of nitrided martensitic stainless steel under boric acid and MoS ₂ lubrication. Surface Engineering, 2012, 28, 192-194.	1.1	7
100	Microstructure and dry sliding wear behaviour of titania and alumina-titania coatings. Surface Engineering, 2013, 29, 11-16.	1.1	7
101	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.	0.7	7
102	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.	0.7	7
103	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.	1.2	6
104	Generation and Characterization of Zirconium Carbide Nanoparticles by Wire Explosion Process. Materials Transactions, 2012, 53, 1420-1424.	0.4	6
105	High temperature mechanical properties of cryogenically cooled alloy 718 weldments. Materials at High Temperatures, 2016, 33, 257-269.	0.5	6
106	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.	0.7	6
107	Microstructural Characterization and Tribological Properties of Atmospheric Plasma Sprayed High Entropy Alloy Coatings. Journal of Thermal Spray Technology, 2022, 31, 1956-1974.	1.6	6
108	Effect of temperature on crack growth in type 304 stainless steel. Materials Science and Engineering, 1987, 96, 89-98.	0.1	5

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109	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.	1.7	5
110	Laser surface modification of steel for slurry erosion resistance in power plants. , 2012, , 177-287.		5
111	An innovative spraying setup to obtain uniform salt(s) mixture deposition to investigate hot corrosion. Review of Scientific Instruments, 2016, 87, 025107.	0.6	5
112	High temperature crack growth in austenitic weld metal. Engineering Fracture Mechanics, 1989, 33, 801-811.	2.0	4
113	Life Estimation of Cracked Stainless Steel Components Under Creep Conditions. Journal of Engineering Materials and Technology, Transactions of the ASME, 1991, 113, 303-306.	0.8	4
114	Laser modification of detonation-gun sprayed ferro-boron coatings on AISI 304L SS. Transactions of the Indian Institute of Metals, 2010, 63, 751-756.	0.7	4
115	Mechanical behaviour of an austempered ductile iron. Transactions of the Indian Institute of Metals, 2010, 63, 779-785.	0.7	4
116	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.	0.7	4
117	Crack growth in creep-brittle materials. Materials Science and Engineering, 1987, 92, L11-L14.	0.1	3
118	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.	0.7	3
119	Microstructural Degradation in Power Plant Steels and Life Assessment of Power Plant Components. Procedia Engineering, 2013, 55, 394-401.	1.2	3
120	Creep crack growth in type 316 stainless steel and its weldment. High Temperature Technology, 1990, 8, 219-226.	0.3	3
121	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.	0.7	2
122	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.	1.0	2
123	Generation and characterisation of nano tungsten carbide particle by wire explosion process. , 2010, ,		2
124	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.	2.5	2
125	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.	0.5	2
126	Relation between rupture time and steady state rate integral. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1990, 127, L15-L18.	2.6	1

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127	Wear behaviour of Fe3Al intermetallic particle reinforced PM based iron metal matrix composites. Powder Metallurgy, 2006, 49, 374-379.	0.9	1
128	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.	2.6	1
129	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.	0.7	1
130	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.	0.4	0
131	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.	0.3	0
132	Microstructure and Wear Behavior of Austempered and as-cast Ausferritic Gray Cast Irons. , 0, , .		0
133	Effect of Aging Treatment on Microstructure and Wear Behaviour of a Nickel Based Hardfaced Coating. Advanced Materials Research, 0, 194-196, 2284-2289.	0.3	0
134	Effect of Laser Peening on Steel and Titanium Alloy for Power Applications. , 2013, , .		0
135	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.	0.7	0
136	Creep Cracking in Austenitic Weld Metal. , 1989, , 1869-1876.		0
137	CREEP LIFE ASSESSMENT OF AUSTENITIC STAINLESS STEEL WELDMENT AT 873-1073 K. , 1992, , 297-302.		0
138	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.	0.0	0
139	Improved Resistance of Nanoparticle-Laden Polymer Coatings Subjected to Combined Silt and Cavitation. Materials Performance and Characterization, 2019, 7, 20180010.	0.2	0