

M Kamaraj

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138
papers

3,241
citations

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h-index

51
g-index

141
ext. papers

3,712
ext. citations

3.1
avg, IF

5.55
L-index

#	Paper	IF	Citations
138	Synthesis and characterization of nanocrystalline AlFeTiCrZnCu high entropy solid solution by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2008 , 460, 253-257	5.7	224
137	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	5.3	178
136	Tribological and corrosion properties of Al ₂ Si produced by selective laser melting. <i>Journal of Materials Research</i> , 2014 , 29, 2044-2054	2.5	108
135	Rafting in single crystal nickel-base superalloys – An overview. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2003 , 28, 115-128	1	105
134	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	5.3	97
133	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	4.3	87
132	Dry sliding wear behaviour of zinc oxide reinforced magnesium matrix nano-composites. <i>Materials & Design</i> , 2014 , 58, 475-481		85
131	The microstructure and high temperature wear performance of a nickel base hardfaced coating. <i>Surface and Coatings Technology</i> , 2010 , 204, 4034-4043	4.4	85
130	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	5.3	85
129	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	2.3	83
128	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	1.6	70
127	Effect of surface treatments on fretting fatigue damage of biomedical titanium alloys. <i>Tribology International</i> , 2007 , 40, 82-88	4.9	60
126	Reasons for superior mechanical and corrosion properties of 2219 aluminum alloy electron beam welds. <i>Materials Characterization</i> , 2005 , 55, 345-354	3.9	60
125	Laves phase in alloy 718 fusion zone – microscopic and calorimetric studies. <i>Materials Characterization</i> , 2015 , 100, 192-206	3.9	59
124	Grain refinement through arc manipulation techniques in AlCu alloy GTA welds. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 404, 227-234	5.3	56
123	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	6.8	55
122	Studies on high temperature wear and its mechanism of AlSi/graphite composite under dry sliding conditions. <i>Tribology International</i> , 2010 , 43, 2152-2158	4.9	54

121	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	5.6	54
120	Effect of Spray Particle Velocity on Cavitation Erosion Resistance Characteristics of HVOF and HVAF Processed 86WC-10Co4Cr Hydro Turbine Coatings. <i>Journal of Thermal Spray Technology</i> , 2016 , 25, 1217-1230	2.5	51
119	Laves Phase Control in Inconel 718 Weldments. <i>Materials Science Forum</i> , 2012 , 710, 614-619	0.4	51
118	Characterization of fretting fatigue damage of PVD TiN coated biomedical titanium alloys. <i>Surface and Coatings Technology</i> , 2006 , 200, 4538-4542	4.4	51
117	Sliding wear behaviour of AZ31B magnesium alloy and nano-composite. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 60-65	3.3	47
116	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	1.6	46
115	Influence of microstructure on slurry erosive wear characteristics of laser surface alloyed 13Cr4Ni steel. <i>Wear</i> , 2009 , 267, 204-212	3.5	43
114	The effects of various reinforcements on dry sliding wear behaviour of AA 6061 nanocomposites. <i>Materials & Design</i> , 2014 , 64, 783-793		42
113	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	5.3	42
112	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	5	42
111	A study on influence of shielding gas composition on toughness of flux-cored arc weld of modified 9Cr1Mo (P91) steel. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 5245-5253	5.3	37
110	Weld overlay coating of Inconel 617 M on type 316 L stainless steel by cold metal transfer process. <i>Surface and Coatings Technology</i> , 2019 , 357, 1004-1013	4.4	34
109	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	3.1	32
108	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	2.3	32
107	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. <i>Materials and Design</i> , 2017 , 132, 79-95	8.1	31
106	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	4.4	31
105	Influence of stress state on the kinetics of 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	5.3	31
104	Continuous drive friction welding of Inconel 718 and EN24 dissimilar metal combination. <i>Materials Science and Technology</i> , 2009 , 25, 851-861	1.5	30

103	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		30
102	Quantitative evaluation of 3D surface roughness parameters during cavitation exposure of 16Cr5Ni hydro turbine steel. <i>Wear</i> , 2014 , 320, 16-24	3.5	28
101	Wear behavior of alloyed hypereutectic gray cast iron. <i>Tribology International</i> , 2010 , 43, 647-653	4.9	28
100	Generation and characterization of nano-tungsten carbide particles by wire explosion process. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 122-128	5.7	27
99	Wear and friction behavior of alloyed gray cast iron with solid lubricants under boundary lubrication. <i>Tribology International</i> , 2011 , 44, 1168-1173	4.9	27
98	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		26
97	Mechanical and wear behavior of quenched and tempered alloyed hypereutectic gray cast iron. <i>Materials & Design</i> , 2011 , 32, 2438-2443		25
96	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	5.3	24
95	Al-Si-Mn Alloy Coating on Aluminum Substrate Using Cold Metal Transfer (CMT) Welding Technique. <i>Jom</i> , 2014 , 66, 1061-1067	2.1	23
94	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	5.3	23
93	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	3.7	23
92	Microstructural characterization of liquid nitrogen cooled Alloy 718 fusion zone. <i>Journal of Materials Processing Technology</i> , 2014 , 214, 3141-3149	5.3	22
91	Microstructural evolution and mechanical properties of oil jet peened aluminium alloy, AA6063-T6. <i>Materials & Design</i> , 2010 , 31, 4066-4075		20
90	Microstructure and mechanical properties of aluminium/steel dissimilar weldments: effect of heat input. <i>Materials Science and Technology</i> , 2017 , 33, 200-209	1.5	19
89	Surface nanocrystallization of aluminium alloy by controlled ball impact technique. <i>Surface and Coatings Technology</i> , 2012 , 210, 78-89	4.4	19
88	Influence of aging treatment on microstructure, wear and corrosion behavior of a nickel base hardfaced coating. <i>Wear</i> , 2011 , 272, 7-17	3.5	18
87	Effect of misch metal inoculation on microstructure, mechanical and wear properties of hypoeutectic gray cast irons. <i>Materials & Design</i> , 2009 , 30, 4488-4492		18
86	Performance of Partially Exfoliated Nitrogen-Doped Carbon Nanotubes Wrapped with Hierarchical Porous Carbon in Electrolytes. <i>ChemSusChem</i> , 2018 , 11, 1664-1677	8.3	17

85	Metal-cored arc welding process for joining of modified 9Cr-1Mo (P91) steel. <i>Journal of Manufacturing Processes</i> , 2013 , 15, 542-548	5	17
84	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	1.5	17
83	Generation and characterization of zirconium nitride nanoparticles by wire explosion process. <i>Ceramics International</i> , 2012 , 38, 5507-5512	5.1	16
82	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	3.3	16
81	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	5.3	15
80	Fretting fatigue studies of titanium nitride-coated biomedical titanium alloys. <i>Journal of Materials Engineering and Performance</i> , 2006 , 15, 553-557	1.6	15
79	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	3.8	14
78	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	4.1	14
77	A comparative study on wear behavior of TiN and diamond coated WC/Co substrates against hypereutectic AlBi alloys. <i>Applied Surface Science</i> , 2012 , 261, 520-527	6.7	14
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	2.7	14
75	Erosion Characteristics of Nanoparticle-Reinforced Polyurethane Coatings on Stainless Steel Substrate. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 1391-1405	1.6	13
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		13
73	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	5.3	13
72	Effect of correction parameters on deposition characteristics in cold metal transfer welding. <i>Materials and Manufacturing Processes</i> , 2019 , 34, 1205-1216	4.1	12
71	Synergistic Role of Electrolyte and Binder for Enhanced Electrochemical Storage for Sodium-Ion Battery. <i>ACS Omega</i> , 2018 , 3, 9945-9955	3.9	12
70	Fretting wear behavior of controlled ball impact treated aluminium alloy under dry sliding condition. <i>Surface and Coatings Technology</i> , 2012 , 207, 450-460	4.4	12
69	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	1	12
68	Effect of surface modified layers on fretting fatigue damage of biomedical titanium alloys. <i>Materials Science and Technology</i> , 2006 , 22, 1119-1125	1.5	12

67	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	1.9	12
66	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	1.6	11
65	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	1.6	11
64	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	1.6	11
63	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	3.7	11
62	Numerical evaluation of subsurface stress field under elasto-hydrodynamic line contact for AISI 52100 bearing steel with retained austenite. <i>Wear</i> , 2015 , 330-331, 636-642	3.5	10
61	Sliding wear behaviour of alumina coatings prepared from mechanically milled powders. <i>Wear</i> , 2014 , 313, 11-18	3.5	10
60	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	2.4	10
59	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	3.7	10
58	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. <i>ACS Omega</i> , 2019 , 4, 6399-6410	3.9	9
57	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	3.5	9
56	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	1.5	9
55	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	1.4	8
54	Cold Spray Coating Diagram: Bonding Properties and Construction Methodology. <i>Journal of Thermal Spray Technology</i> , 2019 , 28, 756-768	2.5	7
53	Post-impact Fatigue Response of CFRP Laminates under Constant Amplitude and Programmed FALSTAFF Spectrum Loading. <i>Procedia Engineering</i> , 2015 , 101, 395-403		7
52	Experimental Characterization of Silt Erosion of 16Cr5Ni Steels and Prediction Using Artificial Neural Network. <i>Transactions of the Indian Institute of Metals</i> , 2015 , 68, 587-599	1.2	7
51	Creep Damage Evaluation of DS CM247 Nickel Base Superalloy Using Alternate Current Potential Drop Technique. <i>Transactions of the Indian Institute of Metals</i> , 2016 , 69, 241-245	1.2	7
50	Mechanical and wear behaviour of alloyed hypereutectic grey cast iron. <i>Materials Science and Technology</i> , 2010 , 26, 842-848	1.5	7

49	Fretting wear studies on PVD TiN coated, ion implanted and thermally oxidised biomedical titanium alloys. <i>Surface Engineering</i> , 2007 , 23, 209-215	2.6	7
48	Shear Creep Deformation of the Super Alloy Single Crystal CMSX-4 at High Temperatures and Low Stresses. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2003 , 34, 469-477	0.9	7
47	An investigation of oxidation/hot corrosion-creep interaction at 800 °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	6.8	7
46	Microstructure and dry sliding wear behaviour of titania and alumina-titania coatings. <i>Surface Engineering</i> , 2013 , 29, 11-16	2.6	6
45	Understanding the Mechanism of Nanoparticle Formation in a Wire Explosion Process by Adopting the Optical Emission Technique. <i>Plasma Science and Technology</i> , 2013 , 15, 562-569	1.5	6
44	Fretting fatigue behavior of surface modified biomedical titanium alloys. <i>Transactions of the Indian Institute of Metals</i> , 2010 , 63, 217-223	1.2	6
43	Comparative Wear Behavior of MoS ₂ and WS ₂ Coating on Plasma-Nitrided SG iron. <i>Journal of Materials Engineering and Performance</i> , 2010 , 19, 166-170	1.6	6
42	First Report on the Deformation Mechanism Mapping of First and Second Generation Ni-Based Single Crystal Super Alloys. <i>Transactions of the Indian Institute of Metals</i> , 2017 , 70, 2485-2496	1.2	5
41	Role of nanocrystalline feedstock in the tribological behaviour of alumina coatings deposited by detonation gun. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012 , 35, 108-114	4.1	5
40	A Study on Factors Influencing Toughness of Basic Flux-Cored Weld of Modified 9Cr-1Mo Steel. <i>Journal of Materials Engineering and Performance</i> , 2011 , 20, 1188-1195	1.6	5
39	Effect of sliding speed on wear behaviour of nitrided martensitic stainless steel under boric acid and MoS ₂ lubrication. <i>Surface Engineering</i> , 2012 , 28, 192-194	2.6	5
38	Generation and Characterization of Zirconium Carbide Nanoparticles by Wire Explosion Process. <i>Materials Transactions</i> , 2012 , 53, 1420-1424	1.3	5
37	Effect of temperature on crack growth in type 304 stainless steel. <i>Materials Science and Engineering</i> , 1987 , 96, 89-98		5
36	An innovative spraying setup to obtain uniform salt(s) mixture deposition to investigate hot corrosion. <i>Review of Scientific Instruments</i> , 2016 , 87, 025107	1.7	5
35	Cold Metal Transfer Welding of Dissimilar A6061 Aluminium Alloy-AZ31B Magnesium Alloy: Effect of Heat Input on Microstructure, Residual Stress and Corrosion Behavior. <i>Transactions of the Indian Institute of Metals</i> , 2017 , 70, 1047-1054	1.2	4
34	Laser modification of detonation-gun sprayed ferro-boron coatings on AISI 304L SS. <i>Transactions of the Indian Institute of Metals</i> , 2010 , 63, 751-756	1.2	4
33	High temperature crack growth in austenitic weld metal. <i>Engineering Fracture Mechanics</i> , 1989 , 33, 801-811	4.1	4
32	Artificial neural network and multi-criterion decision making approach of designing a blend of biodegradable lubricants and investigating its tribological properties. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2021 , 235, 1575-1589	1.4	4

31	Modelling the mechanical behaviour of heat-treated AISI 52100 bearing steel with retained austenite. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2018 , 232, 44-57	1.3	3
30	High temperature mechanical properties of cryogenically cooled alloy 718 weldments. <i>Materials at High Temperatures</i> , 2016 , 33, 257-269	1.1	3
29	Crack growth in creep-brittle materials. <i>Materials Science and Engineering</i> , 1987 , 92, L11-L14		3
28	Measurement of local creep strain in the notch region using AC potential drop technique. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 145, 500-502	4.6	2
27	Laser surface modification of steel for slurry erosion resistance in power plants 2012 , 177-287		2
26	Influence of Load and Sliding Speed on Friction and Interface Temperature of Hypereutectic Alloyed Gray Cast Iron. <i>Transactions of the Indian Institute of Metals</i> , 2012 , 65, 289-296	1.2	2
25	Dry Sliding Wear Behaviour of Oil Jet Peened Aluminium Alloy, AA6063-T6. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2010 , 224, 1189-1196	1.4	2
24	Effect of scanning speed, nozzle stand-off distance and beam scan-off distance on coating properties of laser surface alloyed 13Cr-4Ni steel. <i>Transactions of the Indian Institute of Metals</i> , 2008 , 61, 183-186	1.2	2
23	Life Estimation of Cracked Stainless Steel Components Under Creep Conditions. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 1991 , 113, 303-306	1.8	2
22	Creep crack growth in type 316 stainless steel and its weldment. <i>High Temperature Technology</i> , 1990 , 8, 219-226		2
21	Microstructural Degradation in Power Plant Steels and Life Assessment of Power Plant Components. <i>Procedia Engineering</i> , 2013 , 55, 394-401		1
20	A Study on Influence of Aging Treatment on Sliding Wear Resistance of a Nickel Based Hardfacing Alloy. <i>Transactions of the Indian Institute of Metals</i> , 2011 , 64, 453-460	1.2	1
19	Generation and characterisation of nano tungsten carbide particle by wire explosion process 2010 ,		1
18	Mechanical behaviour of an austempered ductile iron. <i>Transactions of the Indian Institute of Metals</i> , 2010 , 63, 779-785	1.2	1
17	Wear behaviour of Fe ₃ Al intermetallic particle reinforced PM based iron metal matrix composites. <i>Powder Metallurgy</i> , 2006 , 49, 374-379	1.9	1
16	Relation between rupture time and steady state rate integral. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1990 , 127, L15-L18	5.3	1
15	Evolution of phase constitution with mechanical alloying and spark plasma sintering of nanocrystalline Al _x CoCrFeNi (x = 0, 0.3, 0.6, 1 mol) high-entropy alloys. <i>Journal of Materials Research</i> , 2022 , 37, 959	2.5	1
14	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	6.8	1

13	Microstructural Characterization and Tribological Properties of Atmospheric Plasma Sprayed High Entropy Alloy Coatings. <i>Journal of Thermal Spray Technology</i> ,	2.5	1
12	Effect of Applied Energy on the Microstructure, Texture, and Mechanical Properties of Short-Circuit Metal Inert Gas-Welded Modified Cr-Mo Steel Joints. <i>Metallography, Microstructure, and Analysis</i> , 2019 , 8, 23-31	1.1	0
11	Effect of Boron Carbide Addition on Wear Behaviour of Cobalt Based Hardfacings by Plasma Transferred Arc Process. <i>Materials Science Forum</i> , 2010 , 638-642, 3745-3750	0.4	
10	Creep ductility of 1Cr1Mo1/4V low alloy forging and casting steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 510-511, 51-57	5.3	
9	Effect of Aging Treatment on Microstructure and Wear Behaviour of a Nickel Based Hardfaced Coating. <i>Advanced Materials Research</i> , 2011 , 194-196, 2284-2289	0.5	
8	An Analysis of High-Temperature Crack Growth in Type 308 Cb Stainless Steel and Its Weldment. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 1991 , 113, 538-541	1.2	
7	Effect of deterioration in resin on strength characteristic of resin / metal dissimilar materials joint. <i>The Proceedings of Conference of Hokuriku-Shinetsu Branch</i> , 2018 , 2018.55, B043	0	
6	Improved Resistance of Nanoparticle-Laden Polymer Coatings Subjected to Combined Silt and Cavitation. <i>Materials Performance and Characterization</i> , 2019 , 7, 20180010	0.5	
5	Study on the Aesthetic Behavior of Anodic Oxidation in ADC12 Aluminum Alloy. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2019 , 527-535	0.3	
4	Creep Cracking in Austenitic Weld Metal 1989 , 1869-1876		
3	CREEP LIFE ASSESSMENT OF AUSTENITIC STAINLESS STEEL WELDMENT AT 873-1073 K 1992 , 297-302		
2	High Temperature Dry Sliding Wear Behaviour of Al-Si/Graphite Composites Processed by Stir Casting 191-198		
1	Creep Behaviour of Directionally Solidified Nickel-Base Superalloy CM 247: A Three-Dimensional Representation of Creep Curves. <i>Transactions of the Indian Institute of Metals</i> , 2021 , 74, 1787	1.2	