Krishanu Biswas

List of Publications by Year
in descending order

128	3,529	117453	182168
papers	citations	34 h-index	51 g-index

131	131	131	3282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Entropy Alloys as Catalysts for the CO₂ and CO Reduction Reactions: Experimental Realization. ACS Catalysis, 2020, 10, 3658-3663.	5.5	244
2	Powder metallurgical processing of equiatomic AlCoCrFeNi high entropy alloy: Microstructure and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 679, 299-313.	2.6	142
3	High-entropy alloys and metallic nanocomposites: Processing challenges, microstructure development and property enhancement. Materials Science and Engineering Reports, 2018, 131, 1-42.	14.8	126
4	Deciphering micro-mechanisms of plastic deformation in a novel single phase fcc-based MnFeCoNiCu high entropy alloy using crystallographic texture. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 657, 224-233.	2.6	96
5	A perspective on the catalysis using the high entropy alloys. Nano Energy, 2021, 88, 106261.	8.2	87
6	In the quest of single phase multi-component multiprincipal high entropy alloys. Journal of Alloys and Compounds, 2017, 697, 434-442.	2.8	83
7	On the toughness enhancement in hydroxyapatite-based composites. Acta Materialia, 2013, 61, 5198-5215.	3.8	82
8	Low-cost high entropy alloy (HEA) for high-efficiency oxygen evolution reaction (OER). Nano Research, 2022, 15, 4799-4806.	5.8	80
9	Cryomilling: An environment friendly approach of preparation large quantity ultra refined pure aluminium nanoparticles. Journal of Materials Research and Technology, 2019, 8, 63-74.	2.6	69
10	Low-Temperature CO Oxidation over Combustion Made Fe- and Cr-Doped Co₃O₄ Catalysts: Role of Dopantâ€™s Nature toward Achieving Superior Catalytic Activity and Stability. Journal of Physical Chemistry C, 2017, 121, 15256-15265.	1.5	67
11	In-situ study of crack initiation and propagation in a dual phase AlCoCrFeNi high entropy alloy. Journal of Alloys and Compounds, 2017, 710, 539-546.	2.8	66
12	Origin of ferromagnetism in ZnO codoped with Ga and Co: Experiment and theory. Physical Review B, 2008, 78, .	1.1	65
13	Phase stability and microstructure development in hydroxyapatiteâ€“mullite system. Scripta Materialia, 2008, 58, 1054-1057.	2.6	58
14	Hydroxyapatiteâ€titanium bulk composites for bone tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2015, 103, 791-806.	2.1	58
15	Five decades of research on the development of eutectic as engineering materials. Progress in Materials Science, 2022, 123, 100793.	16.0	58
16	Solidification Behaviour of Tiâ€“Cuâ€“Feâ€“Coâ€“Ni High Entropy Alloys. Transactions of the Indian Institute of Metals, 2012, 65, 725-730.	0.7	56
17	Sinter ageing of equiatomic Al20Co20Cu20Zn20Ni20 high entropy alloy via mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 617, 211-218.	2.6	55
18	Preparation of nanocrystalline high-entropy alloys via cryomilling of cast ingots. Journal of Materials Science, 2018, 53, 13411-13423.	1.7	55

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19	Phase equilibria in equiatomic CoCuFeMnNi high entropy alloy. Materials Chemistry and Physics, 2018, 210, 269-278.	2.0	54
20	Processing and Consolidation of Nanocrystalline Cu-Zn-Ti-Fe-Cr High-Entropy Alloys via Mechanical Alloying. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4532-4541.	1.1	53
21	Sintering, Phase Stability, and Properties of Calcium Phosphateâ€Mullite Composites. Journal of the American Ceramic Society, 2010, 93, 1639-1649.	1.9	49
22	Wear behavior of high entropy alloys containing soft dispersoids (Pb, Bi). Materials Chemistry and Physics, 2018, 210, 222-232.	2.0	48
23	Electrooxidation of Hydrazine Utilizing High-Entropy Alloys: Assisting the Oxygen Evolution Reaction at the Thermodynamic Voltage. ACS Catalysis, 2021, 11, 14000-14007.	5.5	47
24	ICME approach to explore equiatomic and non-equiatomic single phase BCC refractory high entropy alloys. Journal of Alloys and Compounds, 2019, 806, 587-595.	2.8	46
25	Formation and stability of C14 type Laves phase in multi component high-entropy alloys. Journal of Alloys and Compounds, 2020, 832, 153764.	2.8	45
26	Micro-mechanisms of microstructural damage due to low cycle fatigue in CoCuFeMnNi high entropy alloy. International Journal of Fatigue, 2020, 130, 105258.	2.8	43
27	Densification and microstructure development in spark plasma sintered WCâ€“6 wt% ZrO2 nanocomposites. Journal of Materials Research, 2007, 22, 1491-1501.	1.2	42
28	Multi-component (Agâ€“Auâ€“Cuâ€“Pdâ€“Pt) alloy nanoparticle-decorated p-type 2D-molybdenum disulfide (MoS₂) for enhanced hydrogen sensing. Nanoscale, 2020, 12, 11830-11841.	2.8	42
29	High strain rate compression behaviour of single phase CoCuFeMnNi high entropy alloy. Journal of Alloys and Compounds, 2020, 823, 153763.	2.8	42
30	Solidification of undercooled peritectic Feâ€“Ge alloy. Acta Materialia, 2005, 53, 3591-3600.	3.8	41
31	Ultra-Low-Temperature CO Oxidation Activity of Octahedral Site Cobalt Species in Co₃O₄ Based Catalysts: Unravelling the Origin of the Unique Catalytic Property. Journal of Physical Chemistry C, 2019, 123, 19557-19571.	1.5	41
32	Effect of TiB2 addition on wear behavior of (AlCrFeMnV)90Bi10 high entropy alloy composite. Tribology International, 2019, 132, 62-74.	3.0	41
33	Green synthesis of Ag nanoparticles in large quantity by cryomilling. RSC Advances, 2016, 6, 111380-111388.	1.7	40
34	Effect of thiourea on grain refinement and defect structure of the pulsed electrodeposited nanocrystalline copper. Surface and Coatings Technology, 2013, 214, 8-18.	2.2	39
35	Formic acid and methanol electro-oxidation and counter hydrogen production using nano high entropy catalyst. Materials Today Energy, 2020, 16, 100393.	2.5	38
36	Synthesis, structure and three way catalytic activity of Ce1â^'xPtx/2Rhx/2O2â^'Î´ (x=0.01 and 0.02) nano-crystallites: Synergistic effect in bimetal ionic catalysts. Applied Catalysis A: General, 2006, 315, 135-146.	2.2	32

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37	Fabrication of novel cryomill for synthesis of high purity metallic nanoparticles. Review of Scientific Instruments, 2015, 86, 083903.	0.6	32
38	Flow cytometry analysis of human fetal osteoblast fate processes on spark plasma sintered hydroxyapatiteâ€“titanium biocomposites. Journal of Biomedical Materials Research - Part A, 2013, 101, 2925-2938.	2.1	31
39	Cryomilling as environmentally friendly synthesis route to prepare nanomaterials. International Materials Reviews, 2021, 66, 493-532.	9.4	31
40	In vitro dissolution of calcium phosphate-mullite composite in simulated body fluid. Journal of Materials Science: Materials in Medicine, 2010, 21, 1817-1828.	1.7	30
41	Optical Property Characterization of Novel Graphene-X (X=Ag, Au and Cu) Nanoparticle Hybrids. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	30
42	Solution combustion synthesis, characterization, magnetic, and dielectric properties of CoFe₂O₄ and Co_{0.5}M_{0.5}Fe₂O₄ (M = Mn, Ni, and Zn). Physical Chemistry Chemical Physics, 2020, 22, 20087-20106.	1.3	30
43	Size effect on the lattice parameter of KCl during mechanical milling. Scripta Materialia, 2009, 61, 600-603.	2.6	29
44	Enhanced Thermoelectric Properties of In-Filled Co₄Sb₁₂ with InSb Nanoinclusions. ACS Applied Energy Materials, 2020, 3, 635-646.	2.5	29
45	Spark Plasma Sintering of Nanocrystalline Cu and Cu-10ÂWtÂPct Pb Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 2072-2084.	1.1	28
46	Mechanical Behavior of Novel Suction Cast Ti-Cu-Fe-Co-Ni High Entropy Alloys. Materials Science Forum, 0, 790-791, 503-508.	0.3	27
47	The role of Ti addition on the evolution and stability of Î³/Î³â€² microstructure in a Co-30Ni-10Al-5Mo-2Ta alloy. Acta Materialia, 2021, 208, 116736.	3.8	25
48	Combined Cryo and Room-Temperature Ball Milling to Produce Ultrafine Halide Crystallites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1127-1137.	1.1	24
49	Graphene: a self-reducing template for synthesis of grapheneâ€“nanoparticles hybrids. RSC Advances, 2015, 5, 62284-62289.	1.7	24
50	Densification and microstructural evolution of spark plasma sintered NiTi shape memory alloy. Advanced Powder Technology, 2018, 29, 2456-2462.	2.0	24
51	Preparation of ultrafine CsCl crystallites by combined cryogenic and room temperature ball milling. Ceramics International, 2011, 37, 3677-3686.	2.3	22
52	Establishing processing-microstructure-property paradigm in complex concentrated equiatomic CoCuFeMnNi alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 759, 415-429.	2.6	22
53	A critical evaluation of microstructure-texture-mechanical behavior heterogeneity in high pressure torsion processed CoCuFeMnNi high entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 782, 139187.	2.6	22
54	Fretting wear behaviour of hydroxyapatiteâ€“titanium composites in simulated body fluid, supplemented with 5 g l^{â^'1} bovine serum albumin. Journal Physics D: Applied Physics, 2013, 46, 404004.	1.3	21

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55	Effect of graphite nanoplatelets on the mechanical properties of alumina-based composites. Ceramics International, 2017, 43, 11376-11389.	2.3	21
56	Effect of Al Addition on the Microstructural Evolution of Equiatomic CoCrFeMnNi Alloy. Transactions of the Indian Institute of Metals, 2018, 71, 2749-2758.	0.7	21
57	Aluminaâ€“MWCNT composites: microstructural characterization and mechanical properties. Journal of Asian Ceramic Societies, 2019, 7, 1-19.	1.0	21
58	Melting Behaviour of Bi1-xSbx Free Standing Alloy Nanoparticles Synthesized via Solvothermal Route. Materials Research, 2015, 18, 55-60.	0.6	20
59	Grapheneâ€“Metal Nanoparticle Hybrids: Electronic Interaction Between Graphene and Nanoparticles. Transactions of the Indian Institute of Metals, 2016, 69, 839-844.	0.7	20
60	Stabilization of a Highly Concentrated Colloidal Suspension of Pristine Metallic Nanoparticles. Langmuir, 2019, 35, 2668-2673.	1.6	20
61	Low-Temperature Propylene Epoxidation Activity of CuOâ€“CeO₂ Catalyst with CO + O₂: Role of Metalâ€“Support Interaction on the Reducibility and Catalytic Property of CuO_x Species. Journal of Physical Chemistry C, 2020, 124, 14131-14146.	1.5	20
62	Effect of addition of multiwalled carbon nanotube/graphite nanoplatelets hybrid on the mechanical properties of aluminium. Diamond and Related Materials, 2020, 104, 107715.	1.8	20
63	Computational and Microstructural Stability Analysis of Shock Wave Interaction with NbB₂-B₄C-Based Nanostructured Ceramics. ACS Applied Materials & Interfaces, 2019, 11, 47491-47500.	4.0	19
64	TiVCrNiZrFex High entropy alloy: Phase evolution,magnetic and mechanical properties. Journal of Alloys and Compounds, 2021, 871, 159572.	2.8	19
65	Cytocompatibility property evaluation of gas pressure sintered SiAlONâ€“SiC composites with L929 fibroblast cells and Saos-2 osteoblast-like cells. Materials Science and Engineering C, 2012, 32, 464-469.	3.8	18
66	Preparation of Freestanding Zn Nanocrystallites by Combined Milling at Cryogenic and Room Temperatures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 1917-1924.	1.1	18
67	Fretting wear study of Cuâ€“10wt% TiB2 and Cuâ€“10wt% TiB2â€“10wt% Pb composites. Wear, 2013, 306, 138-148.	1.5	18
68	A comparative study on the evolution of microstructure and hardness during monotonic and cyclic high pressure torsion of CoCuFeMnNi high entropy alloy. Journal of Materials Research, 2019, 34, 732-743.	1.2	18
69	Melting and solidification behavior of Pbâ€“Sn embedded alloy nano-particles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	17
70	Hollow Gold Nanoprism as Highly Efficient â€œSingleâ€•Nanotransducer for Surface-Enhanced Raman Scattering Applications. Journal of Physical Chemistry C, 2016, 120, 25548-25556.	1.5	16
71	Ageing behaviour of equiatomic consolidated Al 20 Co 20 Cu 20 Ni 20 Zn 20 high entropy alloy. Materials Characterization, 2017, 129, 127-134.	1.9	16
72	A new perspective to thermodynamical designing of high entropy bulk metallic glasses (HE-BMGs). Physica B: Condensed Matter, 2020, 595, 412350.	1.3	16

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73	Critical role of ZrO2 on densification and microstructure development in spark plasma sintered NbB2. Acta Materialia, 2018, 152, 215-228.	3.8	15
74	Novel high-strength NiCuCoTiTa alloy with plasticity. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	14
75	Microstructure-hardness-fretting wear resistance correlation in ultrafine grained Cuâ€“TiB 2 â€“Pb composites. Wear, 2014, 319, 160-171.	1.5	14
76	High-Entropy Materials:Critical Review and Way Forward. Current Science, 2020, 118, 1520.	0.4	14
77	Novel Alloy Design Concepts Enabling Enhanced Mechanical Properties of High Entropy Alloys. Frontiers in Materials, 2022, 9, .	1.2	14
78	Electron Microscopic Study on the Suction Cast In Situ Ti-Fe-Sn Ultrafine Composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 427-439.	1.1	13
79	Densification kinetics, phase assemblage and hardness of spark plasma sintered Cuâ€“10 wt% TiB₂ and Cuâ€“10 wt% TiB₂â€“10 wt% Pb composites. Journal of Materials Research, 2013, 28, 1517-1528.	1.2	13
80	Melting and Solidification Behaviour of Biâ€“Pb Multiphase Alloy Nanoparticles Embedded in Aluminum Matrix. Journal of Nanoscience and Nanotechnology, 2015, 15, 309-316.	0.9	13
81	Highly Sensitive and Selective Triethylamine Sensing through High-Entropy Alloy (Tiâ€“Zrâ€“Crâ€“Vâ€“Ni) Nanoparticle-Induced Fermi Energy Control of MoS₂ Nanosheets. ACS Applied Materials & Interfaces, 2022, 14, 13653-13664.	4.0	13
82	Formation and Stability of Pb-Sn Embedded Multiphase Alloy Nanoparticles via Mechanical Alloying. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3365-3377.	1.1	12
83	Green Route for Beneficiation of Metallic Materials from Electronic Waste for Selective Reduction of CO₂. ACS Sustainable Chemistry and Engineering, 2020, 8, 12142-12150.	3.2	12
84	Dual-Site Cooperation for High Benzyl Alcohol Oxidation Activity of MnO₂ in Biphasic MnO_xâ€“CeO₂ Catalyst Using Aerial O₂ in the Vapor Phase. Journal of Physical Chemistry C, 2021, 125, 20831-20844.	1.5	12
85	Mechanism of film growth of pulsed electrodeposition of nanocrystalline copper in presence of thiourea. Journal of Nanoparticle Research, 2011, 13, 6005-6012.	0.8	10
86	Microstructural Evolution in Novel Suction Cast Multicomponent Ti-Fe-Co Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 851-868.	1.1	10
87	Solidification Behavior in Newly Designed Ni-Rich Ni-Ti-Based Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 6214-6223.	1.1	10
88	Silica-graphene nanoplatelets and silica-MWCNT composites: Microstructure and mechanical properties. Diamond and Related Materials, 2018, 87, 186-201.	1.8	10
89	Development and mechanical properties investigation of Cu-MWCNT-graphite nanoplatelets hybrid nanocomposites. Diamond and Related Materials, 2021, 117, 108467.	1.8	10
90	Fine scale characterization of surface/subsurface and nanosized debris particles on worn Cuâ€“10Â% Pb nanocomposites. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	9

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91	Dynamic precipitation at elevated temperatures in a dual-phase AlCoCrFeNi high-entropy alloy: an in situ study. Philosophical Magazine Letters, 2018, 98, 400-409.	0.5	9
92	Spark Plasma Sintering of Ultrahigh Temperature Ceramics. , 2019, , 369-440.		9
93	Melting behaviour of tri-phasic Bi44In32Sn23 alloy nanoparticle embedded in icosahedral quasicrystalline matrix. Journal of Alloys and Compounds, 2020, 834, 155160.	2.8	9
94	Dry reforming activity due to ionic Ru in La_{1.99}Ru_{0.01}O₃: the role of specific carbonates. Physical Chemistry Chemical Physics, 2019, 21, 16726-16736.	1.3	8
95	Initial texture dependence of nanocrystalline omega phase formation during high pressure torsion of commercially pure titanium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140687.	2.6	8
96	Conducting Graphene Synthesis from Electronic Waste. ACS Sustainable Chemistry and Engineering, 2021, 9, 14090-14100.	3.2	8
97	The effect of matrix on melting and solidification behaviours of embedded Pb-Sn alloy nanoparticles. Philosophical Magazine, 2014, 94, 2031-2045.	0.7	7
98	Designing hexagonal close packed high entropy alloys using machine learning. Modelling and Simulation in Materials Science and Engineering, 2021, 29, 085005.	0.8	7
99	Processing and properties of yttria and lanthana dispersed ODS duplex stainless steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 837, 142746.	2.6	7
100	Microstructureâ€“Wear Resistance Correlation and Wear Mechanisms of Spark Plasma Sintered Cu-Pb Nanocomposites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 482-500.	1.1	6
101	Effect of Aluminium and Molybdenum on the microstructural evolution and mechanical properties of hypoeutectic Nb-Si-Cr Alloys. Materials Today: Proceedings, 2016, 3, 2981-2990.	0.9	6
102	Microstructure Evolution and Mechanical Properties of Suction Cast Ti₆₀Fe_{40-x}Co_x (x = 0, 16, 18, 20, 22, 24) Alloys. Materials Science Forum, 2014, 790-791, 497-502.	0.3	5
103	Morphology controlled grapheneâ€“alloy nanoparticle hybrids with tunable carbon monoxide conversion to carbon dioxide. Nanoscale, 2018, 10, 8840-8850.	2.8	5
104	Spectral Studies of Leadâ€Free Organicâ€Inorganic Hybrid Solidâ€State Perovskites CH₃NH₃Bi_{2/3}I₃ and CH₃NH₃Pb_{1/2}Bi_{1/3}I₃: Potential Photo Absorbers. ChemistrySelect, 2018, 3, 794-800.	0.7	5
105	Solidification behavior of nanoscaled tri-phasic bismuth-indium-tin alloy particles embedded in Alâ€“Cuâ€“Fe quasicrystalline matrix. Journal of Alloys and Compounds, 2021, 867, 159011.	2.8	5
106	Achieving high strength and ductility in equimolar FeMnNi medium entropy alloy by tuning microstructural entropy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 826, 141965.	2.6	5
107	Microstructural and mechanical characterization of tungsten containing lanthana based ferritic ODS steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 828, 142077.	2.6	5
108	One-step synthesis of Pbâ€“Sb nanostructured alloy particles: Effect of processing parameters. Materials Chemistry and Physics, 2015, 166, 207-214.	2.0	4

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109	Phase Evolution and Mechanical Properties of Suction Cast Tiâ€“Feâ€“Co Ternary Alloys. Transactions of the Indian Institute of Metals, 2018, 71, 201-207.	0.7	4
110	Nanofabrication route to achieve sustainable production of next generation defect-free graphene: analysis and characterisation. Nanofabrication, 2021, 6, 36-43.	1.1	4
111	Microstructural evolution in laser-ablation-deposited Feâ€“25 at.% Ge thin film. Journal of Materials Research, 2006, 21, 174-184.	1.2	3
112	Novel HDPEâ€“quasicrystal composite fabricated for wear resistance. Philosophical Magazine, 2011, 91, 2944-2953.	0.7	3
113	Effect of Chromium on Microstructure and Mechanical Properties of Nbâ€“Si Hypoeutectic and Eutectic Alloys. Transactions of the Indian Institute of Metals, 2015, 68, 1039-1046.	0.7	3
114	Effect of Ga substitution on structural and magnetic properties of Fe50Mn25Al25-xGax Heusler alloys. Journal of Alloys and Compounds, 2021, 854, 156756.	2.8	3
115	Experimental approach to probe into mechanisms of highâ€temperature erosion of NbB₂â€ZrO₂. Journal of the American Ceramic Society, 2021, 104, 3518-3530.	1.9	3
116	A phase-field study on a eutectic high-entropy alloy during solidification. Philosophical Magazine Letters, 2021, 101, 160-172.	0.5	3
117	HDPE-Quasicrystal Composite: Fabrication and Wear Resistance. Transactions of the Indian Institute of Metals, 2012, 65, 13-20.	0.7	2
118	Melting Behavior of Al/Pb/Sn/Al Multilayered Thin Films. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3932-3942.	1.1	2
119	Ferromagnetism in Î±-Mn nanorods. Journal of Applied Physics, 2017, 121, 084304.	1.1	2
120	Preparation of Pb-In Alloy Nanoparticles via Solvothermal Route: Optimization and Microstructural Investigation. Materials and Manufacturing Processes, 2016, 31, 126-133.	2.7	1
121	Precision in Compositional Determination of Multiphase Nanoscale Structures Using the Aberration-corrected Advance Electron Microscope: Challenges and Opportunities. Microscopy and Microanalysis, 2020, 26, 988-989.	0.2	1
122	Ex Situ Fabrication of Multiwalled Carbon Nanotube-Reinforced Aluminum Nanocomposite via Conventional Sintering and SPS Techniques. Arabian Journal for Science and Engineering, 2022, 47, 8643-8662.	1.7	1
123	Effect of graphite nanoplatelets on spark plasma sintered and conventionally sintered aluminum-based nanocomposites developed by powder metallurgy. Materials Science-Poland, 2021, 39, 346-370.	0.4	1
124	Development of Oxide Dispersed Austenitic Stainless Steel through Mechanical Alloying and Spark Plasma Sintering. Journal of Materials Engineering and Performance, 2022, 31, 9522-9533.	1.2	1
125	High Entropy Alloys: Laboratory to Industrial Attempt. International Journal of Metalcasting, 0, , .	1.5	1
126	Microstructural Evolution during Laser Resolidification of Fe-18 At. Pct Ge Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 574-582.	1.1	0

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127	Easy scalable avenue of anti-bacterial nanocomposites coating containing Ag NPs prepared by cryomilling. Materials Today Communications, 2021, 26, 102020.	0.9	0
128	In Situ Experiments: Paving Ways for Rapid Development of Structural Metallic Materials for a Sustainable Future. Journal of the Indian Institute of Science, 0, , 1.	0.9	0