Sheela Singh

List of Publications by Year
in descending order

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Version: 2024-02-01

20 papers	471 citations	840776 11 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	603 citing authors

#	Article	IF	Citations
1	Effect of decomposition of the Crâ€“Feâ€“Co rich phase of AlCoCrCuFeNi high entropy alloy on magnetic properties. Ultramicroscopy, 2011, 111, 619-622.	1.9	131
2	On the Path to Optimizing the Al-Co-Cr-Cu-Fe-Ni-Ti High Entropy Alloy Family for High Temperature Applications. Entropy, 2016, 18, 104.	2.2	68
3	Mechanical activated synthesis of alumina dispersed FeNiCoCrAlMn high entropy alloy. Journal of Alloys and Compounds, 2017, 692, 720-726.	5.5	41
4	An investigation on high entropy alloy for bond coat application in thermal barrier coating system. Journal of Alloys and Compounds, 2019, 783, 662-673.	5.5	38
5	Synthesis and properties of high velocity oxy-fuel sprayed FeCoCrNi2Al high entropy alloy coating. Surface and Coatings Technology, 2019, 378, 124950.	4.8	31
6	Thermal stability and thermal expansion behavior of FeCoCrNi2Al high entropy alloy. Advanced Powder Technology, 2021, 32, 378-384.	4.1	26
7	Effect of mechanical activation on synthesis of ultrafine Si3N4â€“MoSi2 in situ composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 382, 321-327.	5.6	20
8	Effect of Cr2AlC MAX phase addition on strengthening of Ni-Mo-Al alloy coating on piston ring: Tribological and twist-fatigue life assessment. Applied Surface Science, 2018, 449, 295-303.	6.1	20
9	Tribological Behavior of NiMoAl-Based Self-Lubricating Composites. ACS Omega, 2020, 5, 14669-14678.	3.5	18
10	Effect of milling energy on mechanical activation of (Mo+Si3N4) powders during the synthesis of Si3N4â€“MoSi2 in situ composites. Journal of the European Ceramic Society, 2009, 29, 2069-2077.	5.7	16
11	Effect of Cr2AlC nanolamella addition on tribological properties of 5W-30 engine oil. Applied Surface Science, 2019, 493, 1098-1105.	6.1	14
12	Elemental effect on formation of solid solution phase in CoCrFeNiX and CoCuFeNiX (Xâ€‰=â€‰Ti, Zn, Si,Al) high entropy alloys. Materials Science and Technology, 2019, 35, 1700-1707.	1.6	12
13	Synthesis of Si3N4â€“MoSi2 in situ composite from mechanically activated (Mo+Si3N4) powders. Journal of Alloys and Compounds, 2004, 381, 254-257.	5.5	9
14	Triboâ€“Mechanical Properties of HVOF-Sprayed NiMoAl-Cr2AlC Composite Coatings. Journal of Thermal Spray Technology, 2020, 29, 1763-1783.	3.1	9
15	Influence of solid lubricants addition on the tribological properties of HVOF sprayed NiMoAl coating from 30ÂÂ°C to 400ÂÂ°C. Materials Letters, 2020, 266, 127494.	2.6	6
16	Effect of minute element addition on the oxidation resistance of FeCoCrNiAl and FeCoCrNi2Al high entropy alloy. Advanced Powder Technology, 2022, 33, 103410.	4.1	6
17	Development of ethylene glycolâ€Cr 2 AlC nanofluid for thermal management in the automotive sector. International Journal of Applied Ceramic Technology, 2020, 17, 1071-1078.	2.1	4
18	Oxidationâ€induced crack healing and erosion life assessment of Niâ€“Moâ€“Alâ€“Cr7C3â€“Al2O3composite coating. International Journal of Applied Ceramic Technology, 2019, 16, 1012-1021.	2.1	1

#	Article	IF	Citations
19	Isothermal and non-isothermal sintering characteristics of mechanically alloyed nonequiatomic Fe₂CoCrMnNi high-entropy alloy powder. Powder Metallurgy, 2021, 64, 64-74.	1.7	1
20	Enhanced magnetisation with increased chromium concentration in FeCoCr_xNi₂Al high-entropy alloy. Materials Science and Technology, 2022, 38, 12-18.	1.6	0