

Anshuman Patra

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22
papers

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ext. citations

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avg, IF

3.11
L-index

#	Paper	IF	Citations
22	Microstructure and cyclic oxidation behavior of WCr alloys prepared by sintering of mechanically alloyed nanocrystalline powders. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013 , 36, 191-203	4.1	53
21	Experimental and atomistic simulation based study of W based alloys synthesized by mechanical alloying. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016 , 58, 57-67	4.1	26
20	Combined effect of Ni and nano-Y ₂ O ₃ addition on microstructure, mechanical and high temperature behavior of mechanically alloyed W-Mo. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016 , 60, 131-146	4.1	26
19	Effect of nano Y ₂ O ₃ dispersion on thermal, microstructure, mechanical and high temperature oxidation behavior of mechanically alloyed W-Ni-Mo-Ti. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018 , 70, 134-154	4.1	14
18	Fabrication and characterization of nano-Y ₂ O ₃ dispersed W-Ni-Mo and W-Ni-Ti-Nb alloys by mechanical alloying and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2017 , 707, 245-250	5.7	12
17	Effect of molasses binder on the physical and mechanical properties of iron ore pellets. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019 , 26, 41-51	3.1	10
16	Fabrication and characterization of nano-Y ₂ O ₃ dispersed W-Ni-Nb alloys. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018 , 71, 70-81	4.1	9
15	Development of nano-Y ₂ O ₃ dispersed Zr alloys synthesized by mechanical alloying and consolidated by pulse plasma sintering. <i>Materials Characterization</i> , 2018 , 136, 337-345	3.9	4
14	Fabrication and characterization of nano-Y ₂ O ₃ , Al ₂ O ₃ , La ₂ O ₃ dispersed mechanically alloyed and liquid phase sintered W Ni for structural application. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019 , 82, 183-198	4.1	3
13	Effect of Ni on microstructure, mechanical property of mechanically alloyed W-Ni-Nb. <i>Materials Today: Proceedings</i> , 2019 , 18, 765-773	1.4	3
12	Fabrication and characterization of nano-ZrO ₂ dispersed W-based alloy by mechanical alloying and conventional sintering. <i>Materials Today: Proceedings</i> , 2017 , 4, 3891-3902	1.4	3
11	Microstructural and mechanical properties of Ti-Mo-W alloy by mechanical alloying and conventional sintering. <i>Materials Today: Proceedings</i> , 2020 , 27, 1674-1680	1.4	2
10	Synthesis and Characterization of W ₈₀ Ni ₁₀ Mo ₁₀ alloy produced by mechanical alloying. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 75, 012032	0.4	2
9	Oxidation Behavior of Oxide Dispersion-Strengthened WNi Alloys. <i>Oxidation of Metals</i> , 2020 , 93, 17-28	1.6	2
8	Fabrication of W-Ti-Mo alloys and its microstructure, mechanical properties prepared by mechanical alloying. <i>Materials Today: Proceedings</i> , 2020 , 26, 2845-2852	1.4	1
7	Evaluation of Thermal, Fracture, and High Temperature Behavior of Mechanically Alloyed and Spark Plasma Sintered Nano-Y ₂ O ₃ Dispersed W-Ni-Mo and W-Ni-Ti-Nb Alloys. <i>Materials Performance and Characterization</i> , 2018 , 7, 20170077	0.5	1
6	Synthesis of nano Y ₂ O ₃ , TiO ₂ , ZrO ₂ dispersed W-Ni-Nb-Mo alloys by mechanical alloying. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 103, 105753	4.1	1

5	Fabrication and characterization of nano-Y ₂ O ₃ and Al ₂ O ₃ dispersed W-Ni alloys by mechanical alloying and pressureless conventional sintering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 338, 012037	0.4	1
4	Fabrication and characterization of nano-Cr ₂ O ₃ dispersed mechanically alloyed and conventional sintered W-Zr alloys. <i>Materials Today: Proceedings</i> , 2020 , 33, 5109-5115	1.4	0
3	Fabrication of nano ZrO ₂ dispersed novel W ₇₉ Ni ₁₀ Ti ₅ Nb ₅ alloy by mechanical alloying and pressureless sintering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 178, 012015	0.4	
2	Stepwise Microstructure Development and Investigation of Mechanical Behavior of Pure Mo, Mo-Ni, and Nano-Y ₂ O ₃ -Dispersed Mo-Ni Alloys Fabricated by Mechanical Alloying and Pressureless Sintering. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 6039-6048	1.6	
1	Synthesis and Characterization of Oxide Dispersion Strengthened W-based Nanocomposite. <i>Materials Horizons</i> , 2018 , 259-280	0.6	