

Dmitry Dg Shaysultanov

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ext. citations

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avg, IF

5.21
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#	Paper	IF	Citations
33	Effect of Mn and V on structure and mechanical properties of high-entropy alloys based on CoCrFeNi system. <i>Journal of Alloys and Compounds</i> , 2014 , 591, 11-21	5.7	324
32	Effect of V content on microstructure and mechanical properties of the CoCrFeMnNiVx high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 628, 170-185	5.7	223
31	Tensile properties of an AlCrCuNiFeCo high-entropy alloy in as-cast and wrought conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 533, 107-118	5.3	216
30	Structure and mechanical properties of a light-weight AlNbTiV high entropy alloy. <i>Materials Letters</i> , 2015 , 142, 153-155	3.3	190
29	High temperature deformation behavior and dynamic recrystallization in CoCrFeNiMn high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 636, 188-195	5.3	156
28	Effect of thermomechanical processing on microstructure and mechanical properties of the carbon-containing CoCrFeNiMn high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 394-405	5.7	122
27	Second phase formation in the CoCrFeNiMn high entropy alloy after recrystallization annealing. <i>Materials Letters</i> , 2016 , 185, 1-4	3.3	103
26	Phase Composition and Superplastic Behavior of a Wrought AlCoCrCuFeNi High-Entropy Alloy. <i>Jom</i> , 2013 , 65, 1815-1828	2.1	77
25	Effect of Al content on structure and mechanical properties of the AlxCrNbTiVZr (x = 0; 0.25; 0.5; 1) high-entropy alloys. <i>Materials Characterization</i> , 2016 , 121, 125-134	3.9	77
24	Novel Fe ₃₆ Mn ₂₁ Cr ₁₈ Ni ₁₅ Al ₁₀ high entropy alloy with bcc/B2 dual-phase structure. <i>Journal of Alloys and Compounds</i> , 2017 , 705, 756-763	5.7	70
23	Effect of second phase particles on mechanical properties and grain growth in a CoCrFeMnNi high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 748, 228-235	5.3	65
22	Tensile properties of the CrBeNiMn non-equiatomic multicomponent alloys with different Cr contents. <i>Materials and Design</i> , 2015 , 87, 60-65	8.1	64
21	Effect of Al on structure and mechanical properties of AlxNbTiVZr (x = 0, 0.5, 1, 1.5) high entropy alloys. <i>Materials Science and Technology</i> , 2015 , 31, 1184-1193	1.5	64
20	Microstructure and Mechanical Properties Evolution of the Al, C-Containing CoCrFeNiMn-Type High-Entropy Alloy during Cold Rolling. <i>Materials</i> , 2017 , 11,	3.5	61
19	Laser beam welding of a CoCrFeNiMn-type high entropy alloy produced by self-propagating high-temperature synthesis. <i>Intermetallics</i> , 2018 , 96, 63-71	3.5	59
18	Effect of carbon on cryogenic tensile behavior of CoCrFeMnNi-type high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 811, 152000	5.7	51
17	Mechanical properties of a new high entropy alloy with a duplex ultra-fine grained structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 728, 54-62	5.3	45

16	Effect of Al on structure and mechanical properties of Fe-Mn-Cr-Ni-Al non-equiatomic high entropy alloys with high Fe content. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 194-203	5.7	45
15	Superplasticity of AlCoCrCuFeNi High Entropy Alloy. <i>Materials Science Forum</i> , 2012 , 735, 146-151	0.4	37
14	Fatigue behaviour of a laser beam welded CoCrFeNiMn-type high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 766, 138358	5.3	36
13	Structure and high temperature mechanical properties of novel non-equiatomic Fe-(Co, Mn)-Cr-Ni-Al-(Ti) high entropy alloys. <i>Intermetallics</i> , 2018 , 102, 140-151	3.5	33
12	Recrystallized microstructures and mechanical properties of a C-containing CoCrFeNiMn-type high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 740-741, 201-210	5.3	31
11	Evolution of Microstructure and Mechanical Properties of a CoCrFeMnNi High-Entropy Alloy during High-Pressure Torsion at Room and Cryogenic Temperatures. <i>Metals</i> , 2018 , 8, 123	2.3	26
10	Microstructure and Mechanical Properties Evolution in HfNbTaTiZr Refractory High-Entropy Alloy During Cold Rolling. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000105	3.5	12
9	Mechanical Behavior and Microstructure Evolution during Superplastic Deformation of the Fine-Grained AlCoCrCuFeNi High Entropy Alloy. <i>Materials Science Forum</i> , 2016 , 838-839, 302-307	0.4	8
8	Use of Novel Welding Technologies for High-Entropy Alloys Joining. <i>Materials Science Forum</i> , 2018 , 941, 919-924	0.4	6
7	Refractory high entropy alloy with ductile intermetallic B2 matrix / hard bcc particles and exceptional strain hardening capacity. <i>Materialia</i> , 2021 , 20, 101225	3.2	5
6	Outstanding cryogenic strength-ductility properties of a cold-rolled medium-entropy TRIP Fe ₆₅ (CoNi) ₂₅ Cr ₉ B _{0.5} alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 836, 142720	5.3	3
5	Gradient soft magnetic materials produced by additive manufacturing from non-magnetic powders. <i>Journal of Materials Processing Technology</i> , 2022 , 300, 117393	5.3	3
4	Strengthening of a CoCrFeNiMn-Type High Entropy Alloy by Regular Arrays of Nanoprecipitates. <i>Materials Science Forum</i> , 2018 , 941, 772-777	0.4	3
3	Microstructure Refinement in the CoCrFeNiMn High Entropy Alloy under Plastic Straining. <i>Materials Science Forum</i> , 2016 , 879, 1853-1858	0.4	2
2	Friction Stir Welding of a TRIP Fe ₄₉ Mn ₃₀ Cr ₁₀ Co ₁₀ C ₁ High Entropy Alloy. <i>Metals</i> , 2021 , 11, 66	2.3	2
1	Effect of Annealing on Phase Composition and Microstructure of the CoCrFeNiMnV _x (x=0, 0.25, 0.5, 0.75, 1) High Entropy Alloys1157-1164		1