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List of Publications by Year
in descending order

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46 papers	2,831 citations	236612 25 h-index	233125 45 g-index
46 all docs	46 docs citations	46 times ranked	1554 citing authors

#	Article	IF	Citations
1	Effect of cryo-deformation on structure and properties of CoCrFeNiMn high-entropy alloy. Intermetallics, 2015, 59, 8-17.	1.8	334
2	Structure and mechanical properties of the AlCrxNbTiV (xÂ=Â0, 0.5, 1, 1.5) high entropy alloys. Journal of Alloys and Compounds, 2015, 652, 266-280.	2.8	222
3	Effect of carbon content and annealing on structure and hardness of the CoCrFeNiMn-based high entropy alloys. Journal of Alloys and Compounds, 2016, 687, 59-71.	2.8	210
4	High temperature deformation behavior and dynamic recrystallization in CoCrFeNiMn high entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 636, 188-195.	2.6	200
5	Structure and mechanical properties of B2 ordered refractory AlNbTiVZrx (x = 0â€“1.5) high-entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 704, 82-90.	2.6	189
6	Effect of thermomechanical processing on microstructure and mechanical properties of the carbon-containing CoCrFeNiMn high entropy alloy. Journal of Alloys and Compounds, 2017, 693, 394-405.	2.8	171
7	Laves-phase formation criterion for high-entropy alloys. Materials Science and Technology, 2017, 33, 17-22.	0.8	140
8	Aging behavior of the HfNbTaTiZr high entropy alloy. Materials Letters, 2018, 211, 87-90.	1.3	126
9	Effect of Al content on structure and mechanical properties of the AlxCrNbTiVZr (x=0; 0.25; 0.5; 1) high-entropy alloys. Materials Characterization, 2016, 121, 125-134.	1.9	106
10	An AlNbTiVZr0.5 high-entropy alloy combining high specific strength and good ductility. Materials Letters, 2015, 161, 136-139.	1.3	105
11	Effect of Al on structure and mechanical properties of Al_xNbTiVZr (xâ€‰=â€‰0, 0.5, 1, 1.5) high entropy alloys. Materials Science and Technology, 2015, 31, 1184-1193.	0.8	104
12	Precipitation-strengthened refractory Al 0.5 CrNbTi 2 V 0.5 high entropy alloy. Materials Letters, 2017, 188, 162-164.	1.3	94
13	Effect of Cr and Zr on phase stability of refractory Al-Cr-Nb-Ti-V-Zr high-entropy alloys. Journal of Alloys and Compounds, 2018, 757, 403-414.	2.8	84
14	Microstructure and Mechanical Properties Evolution of the Al, C-Containing CoCrFeNiMn-Type High-Entropy Alloy during Cold Rolling. Materials, 2018, 11, 53.	1.3	75
15	Plastic deformation of solid-solution strengthened Hf-Nb-Ta-Ti-Zr body-centered cubic medium/high-entropy alloys. Scripta Materialia, 2021, 200, 113927.	2.6	43
16	Microstructure evolution of a novel low-density Tiâ€“Crâ€“Nbâ€“V refractory high entropy alloy during cold rolling and subsequent annealing. Materials Characterization, 2019, 158, 109980.	1.9	37
17	Structure and hardness of B2 ordered refractory AlNbTiVZr0.5 high entropy alloy after high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 716, 308-315.	2.6	36
18	Evolution of Microstructure and Mechanical Properties of a CoCrFeMnNi High-Entropy Alloy during High-Pressure Torsion at Room and Cryogenic Temperatures. Metals, 2018, 8, 123.	1.0	35

#	Article	IF	Citations
19	Design and characterization of eutectic refractory high entropy alloys. Materialia, 2021, 16, 101057.	1.3	35
20	Strength, corrosion resistance, and biocompatibility of ultrafine-grained Mg alloys after different modes of severe plastic deformation. IOP Conference Series: Materials Science and Engineering, 2017, 194, 012004.	0.3	33
21	Oxidation Behavior of Refractory AlNbTiVZr0.25 High-Entropy Alloy. Materials, 2018, 11, 2526.	1.3	32
22	A new refractory Ti-Nb-Hf-Al high entropy alloy strengthened by orthorhombic phase particles. International Journal of Refractory Metals and Hard Materials, 2020, 92, 105322.	1.7	31
23	Gum-like mechanical behavior of a partially ordered Al5Nb24Ti40V5Zr26 high entropy alloy. Intermetallics, 2020, 116, 106652.	1.8	30
24	Structure and mechanical properties of an in situ refractory Al20Cr10Nb15Ti20V25Zr10 high entropy alloy composite. Materials Letters, 2020, 264, 127372.	1.3	29
25	Structures and mechanical properties of Ti-Nb-Cr-V-Ni-Al refractory high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 786, 139409.	2.6	29
26	Microstructure and Mechanical Properties Evolution in HfNbTaTiZr Refractory Highâ€Entropy Alloy During Cold Rolling. Advanced Engineering Materials, 2020, 22, 2000105.	1.6	26
27	Refractory high entropy alloy with ductile intermetallic B2 matrix / hard bcc particles and exceptional strain hardening capacity. Materialia, 2021, 20, 101225.	1.3	26
28	Mechanical Properties, Biodegradation, and Biocompatibility of Ultrafine Grained Magnesium Alloy WE43. Materials, 2019, 12, 3627.	1.3	25
29	Microband-induced plasticity in a Ti-rich high-entropy alloy. Journal of Alloys and Compounds, 2020, 842, 155868.	2.8	24
30	Cross-kink unpinning controls the medium- to high-temperature strength of body-centered cubic NbTiZr medium-entropy alloy. Scripta Materialia, 2022, 209, 114367.	2.6	23
31	Phase Evolution of the AlxNbTiVZr (x = 0; 0.5; 1; 1.5) High Entropy Alloys. Metals, 2016, 6, 298.	1.0	22
32	Laser Beam Welding of a Low Density Refractory High Entropy Alloy. Metals, 2019, 9, 1351.	1.0	22
33	Creep behavior of an AlTiVNbZr0.25 high entropy alloy at 1073ÂK. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 783, 139291.	2.6	21
34	Improving the property profile of a bioresorbable Mg-Y-Nd-Zr alloy by deformation treatments. Materialia, 2020, 13, 100841.	1.3	20
35	Unique precipitations in a novel refractory Nb-Mo-Ti-Co high-entropy superalloy. Materials Research Letters, 2022, 10, 78-87.	4.1	20
36	Oxidation behaviour of eutectic refractory high-entropy alloys at 800â€“1000ÂÂ°C. Corrosion Science, 2022, 205, 110464.	3.0	16

#	Article	IF	Citations
37	Effect of multiaxial deformation on structure, mechanical properties, and corrosion resistance of a Mg-Ca alloy. Journal of Magnesium and Alloys, 2022, 10, 266-280.	5.5	12
38	Deformation induced twinning in hcp/bcc Al10Hf25Nb5Sc10Ti25Zr25 high entropy alloy â€“ microstructure and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140449.	2.6	9
39	On the yield stress anomaly in a B2-ordered refractory AlNbTiVZr0.25 high-entropy alloy. Materials Letters, 2022, 311, 131584.	1.3	9
40	Effect of multiaxial forging on microstructure and mechanical properties of Mg-o.8Ca alloy. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012075.	0.3	8
41	Aging behavior of two refractory Ti-Nb-(Hf, Zr)-Al high entropy alloys. Journal of Alloys and Compounds, 2021, 889, 161586.	2.8	6
42	Microstructure Refinement in the CoCrFeNiMn High Entropy Alloy under Plastic Straining. Materials Science Forum, 0, 879, 1853-1858.	0.3	3
43	Design and Characterization of Al-Cr-Nb-Ti-V-Zr High-Entropy Alloys for High-Temperature Applications. Physical Mesomechanics, 2021, 24, 642-652.	1.0	3
44	Study of the Structure Formation during Compression for Selecting Multiaxial Deformation Conditions for an Mgâ€“Ca Alloy. Russian Metallurgy (Metally), 2018, 2018, 1046-1058.	0.1	2
45	Structure and mechanical properties of near-eutectic refractory Al-Cr-Nb-Ti-Zr high entropy alloys. IOP Conference Series: Materials Science and Engineering, 2021, 1014, 012058.	0.3	2
46	Precipitation-hardened refractoryTi-Nb-Hf-Al-Ta high-entropy alloys. IOP Conference Series: Materials Science and Engineering, 2021, 1014, 012041.	0.3	2