

Da Chen

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3892048/da-chen-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

1,536
citations

16
h-index

29
g-index

29
ext. papers

2,348
ext. citations

7
avg, IF

4.7
L-index

#	Paper	IF	Citations
29	Anomalous precipitate-size-dependent ductility in multicomponent high-entropy alloys with dense nanoscale precipitates. <i>Acta Materialia</i> , 2022 , 223, 117480	8.4	8
28	3D Upconversion Barcodes for Combinatory Wireless Neuromodulation in Behaving Animals.. <i>Advanced Healthcare Materials</i> , 2022 , e2200304	10.1	0
27	Highly pressurized helium nanobubbles promote stacking-fault-mediated deformation in FeNiCoCr high-entropy alloy. <i>Acta Materialia</i> , 2021 , 210, 116843	8.4	9
26	Effect of oxygen pressure on the oxidation behavior of NiCoCr medium-entropy alloy at 800 °C. <i>Corrosion Science</i> , 2021 , 185, 109411	6.8	2
25	Elemental partitioning as a route to design precipitation-hardened high entropy alloys. <i>Journal of Materials Science and Technology</i> , 2021 , 72, 52-60	9.1	5
24	Tailoring nanoprecipitates for ultra-strong high-entropy alloys via machine learning and prestrain aging. <i>Journal of Materials Science and Technology</i> , 2021 , 69, 156-167	9.1	16
23	Temperature-dependent helium induced microstructural evolution in equiatomic NiCo and NiFe concentrated solid solution alloys. <i>Journal of Nuclear Materials</i> , 2021 , 545, 152715	3.3	0
22	Origin of increased helium density inside bubbles in Ni(10%)Fe alloys. <i>Scripta Materialia</i> , 2021 , 191, 1-6	5.6	6
21	Strain partitioning enables excellent tensile ductility in precipitated heterogeneous high-entropy alloys with gigapascal yield strength. <i>International Journal of Plasticity</i> , 2021 , 144, 103022	7.6	12
20	Effect of silicon addition on the microstructures, mechanical properties and helium irradiation resistance of NiCoCr-based medium-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020 , 844, 156162	5.7	12
19	Superior high-temperature properties and deformation-induced planar faults in a novel L12-strengthened high-entropy alloy. <i>Acta Materialia</i> , 2020 , 188, 517-527	8.4	50
18	The stability of γ precipitates in a multi-component FeCoNiCrTi0.2 alloy under elevated-temperature irradiation. <i>Journal of Nuclear Materials</i> , 2020 , 540, 152364	3.3	5
17	Effects of minor alloying addition on He bubble formation in the irradiated FeCoNiCr-based high-entropy alloys. <i>Journal of Nuclear Materials</i> , 2020 , 542, 152458	3.3	6
16	Exceptional nanostructure stability and its origins in the CoCrNi-based precipitation-strengthened medium-entropy alloy. <i>Materials Research Letters</i> , 2019 , 7, 152-158	7.4	29
15	Design of D022 superlattice with superior strengthening effect in high entropy alloys. <i>Acta Materialia</i> , 2019 , 167, 275-286	8.4	75
14	Synergistic effect of Ti and Al on L12-phase design in CoCrFeNi-based high entropy alloys. <i>Intermetallics</i> , 2019 , 110, 106476	3.5	32
13	First-principles study of He behavior in a NiCoFeCr concentrated solid solution alloy. <i>Materials Research Letters</i> , 2019 , 7, 188-193	7.4	11

12	Diffusion controlled helium bubble formation resistance of FeCoNiCr high-entropy alloy in the half-melting temperature regime. <i>Journal of Nuclear Materials</i> , 2019 , 526, 151747	3.3	19
11	Outstanding tensile properties of a precipitation-strengthened FeCoNiCrTi0.2 high-entropy alloy at room and cryogenic temperatures. <i>Acta Materialia</i> , 2019 , 165, 228-240	8.4	178
10	Helium accumulation and bubble formation in FeCoNiCr alloy under high fluence He+ implantation. <i>Journal of Nuclear Materials</i> , 2018 , 501, 208-216	3.3	42
9	Composition evolution of gamma prime nanoparticles in the Ti-doped CoFeCrNi high entropy alloy. <i>Scripta Materialia</i> , 2018 , 148, 42-46	5.6	34
8	Development of high-strength Co-free high-entropy alloys hardened by nanosized precipitates. <i>Scripta Materialia</i> , 2018 , 148, 51-55	5.6	84
7	Abnormal β - β' phase transformation in the CoCrFeNiNb0.25 high entropy alloy. <i>Scripta Materialia</i> , 2018 , 146, 281-285	5.6	23
6	Microstructural response of He+ irradiated FeCoNiCrTi0.2 high-entropy alloy. <i>Journal of Nuclear Materials</i> , 2018 , 510, 187-192	3.3	17
5	Solid solubility, precipitates, and stacking fault energy of micro-alloyed CoCrFeNi high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2018 , 769, 490-502	5.7	28
4	Multicomponent intermetallic nanoparticles and superb mechanical behaviors of complex alloys. <i>Science</i> , 2018 , 362, 933-937	33.3	513
3	Elemental Phase Partitioning in the β NiCoFeCrNb High Entropy Alloy. <i>Entropy</i> , 2018 , 20,	2.8	5
2	Tuning the defects in face centered cubic high entropy alloy via temperature-dependent stacking fault energy. <i>Scripta Materialia</i> , 2018 , 155, 134-138	5.6	29
1	Heterogeneous precipitation behavior and stacking-fault-mediated deformation in a CoCrNi-based medium-entropy alloy. <i>Acta Materialia</i> , 2017 , 138, 72-82	8.4	286