

Jun Wang

List of Publications by Year in descending order

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35
papers

892
citations

471509

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35
docs citations

35
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in nanostructured electrocatalysts for hydrogen evolution reaction. <i>Rare Metals</i> , 2021, 40, 3375-3405.	7.1	112
2	Microstructure evolution and properties of graphene nanoplatelets reinforced aluminum matrix composites. <i>Materials Characterization</i> , 2018, 140, 172-178.	4.4	111
3	Activating Basal Planes of NiPS ₃ for Hydrogen Evolution by Nonmetal Heteroatom Doping. <i>Advanced Functional Materials</i> , 2020, 30, 1908708.	14.9	96
4	Effect of Ag on the aging characteristics of Cu-Fe in situ composites. <i>Scripta Materialia</i> , 2006, 54, 1931-1935.	5.2	41
5	Multiple deformation mechanisms induced by pre-twinning in CoCrFeNi high entropy alloy. <i>Scripta Materialia</i> , 2022, 207, 114266.	5.2	37
6	On the preferential grain boundary oxidation of a Ni-Co-based superalloy. <i>Corrosion Science</i> , 2022, 199, 110203.	6.6	34
7	Oxidation behavior and microstructure degeneration of cast Ni-based superalloy M951 at 900°C. <i>Applied Surface Science</i> , 2019, 479, 709-719.	6.1	32
8	Fabrication of CoCrFeNiMn high entropy alloy matrix composites by thermomechanical consolidation of a mechanically milled powder. <i>Materials Characterization</i> , 2019, 148, 307-316.	4.4	32
9	Grain growth and strengthening mechanisms of ultrafine-grained CoCrFeNiMn high entropy alloy matrix nanocomposites fabricated by powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152937.	5.5	32
10	Formation of multilayer interfaces and the load transfer in graphene nanoplatelets reinforced Al matrix composites. <i>Materials Characterization</i> , 2020, 159, 110018.	4.4	32
11	Sustaining strength-ductility synergy of CoCrFeNiMn high entropy alloy by a multilevel heterogeneity associated with nanoparticles. <i>Scripta Materialia</i> , 2020, 187, 390-394.	5.2	32
12	Effects of the γ -Ni ₃ Nb Phase on Mechanical Properties of Inconel 718 Superalloys with Different Heat Treatments. <i>Materials</i> , 2020, 13, 151.	2.9	26
13	A novel nanostructure to achieve ultrahigh strength and good tensile ductility of a CoCrFeNiMn high entropy alloy. <i>Nanoscale</i> , 2020, 12, 5347-5352.	5.6	25
14	Crack formation and microstructure-sensitive propagation in low cycle fatigue of a polycrystalline nickel-based superalloy with different heat treatments. <i>International Journal of Fatigue</i> , 2018, 108, 79-89.	5.7	23
15	Effects of microporosity and precipitates on the cracking behavior in polycrystalline superalloy Inconel 718. <i>Materials Characterization</i> , 2017, 132, 175-186.	4.4	21
16	High strength high electrical conductivity ultrafine-grained Al-Y alloy processed via cold drawing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 772, 138824.	5.6	20
17	Microstructure evolution and mechanical performance of nickel based superalloy C1023 at elevated temperatures. <i>Materials Characterization</i> , 2018, 138, 174-185.	4.4	17
18	Fracture mechanisms induced by microporosity and precipitates in isothermal fatigue of polycrystalline nickel based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 736, 438-452.	5.6	17

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19	Temperature-dependent deformation mechanisms and microstructural degradation of a polycrystalline nickel-based superalloy. <i>Journal of Alloys and Compounds</i> , 2019, 775, 181-192.	5.5	17
20	Enlightening from $\hat{\Gamma}^3$, $\hat{\Gamma}^{\alpha 2}$ and $\hat{\Gamma}^2$ phase transformations in Al-Co-Ni alloy system: A review. <i>Current Opinion in Solid State and Materials Science</i> , 2019, 23, 100784.	11.5	16
21	Unveiling the mechanism of yttrium-related microstructure inhibiting or promoting high-temperature oxidation based on Ni-Al-Y alloys. <i>Acta Materialia</i> , 2021, 211, 116879.	7.9	16
22	Mechanical properties and electrical conductivity of cold rolled Al-7.5wt%Y alloy with heterogeneous lamella structure and stacking faults. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160692.	5.5	14
23	The effect of discontinuous $\hat{\Gamma}^3$ precipitation on the mechanical properties of Al-Co-Ni alloys. <i>Materials Characterization</i> , 2019, 151, 612-619.	4.4	12
24	Strengthening effects and thermal stability of the ultrafine grained microstructure of a nickel base superalloy at room and elevated temperatures. <i>Materials Characterization</i> , 2018, 145, 362-370.	4.4	11
25	Microstructure evolution and mechanical properties of CoCrFeNiAl _{0.3} high entropy alloy produced by ball milling in combination with thermomechanical consolidation. <i>Materials Characterization</i> , 2022, 187, 111833.	4.4	11
26	Two-way shape memory effect and magnetic-field-induced twin boundary motion in Ni-Mn-Ga microwire. <i>Materials Letters</i> , 2019, 243, 173-175.	2.6	9
27	Phase interface induced stacking faults in Al-7.5Y alloy revealed by in-situ synchrotron X-ray diffraction and ex-situ electron microscopy. <i>Materials Characterization</i> , 2021, 179, 111322.	4.4	9
28	Ni-based aligned plate intermetallic nanostructures as effective catalysts for hydrogen evolution reaction. <i>Materials Letters</i> , 2020, 272, 127831.	2.6	7
29	A nanograins-attached and ultrathin Cu flake powder fabricated by high energy mechanical milling and dealloying. <i>Materials Letters</i> , 2020, 265, 127432.	2.6	7
30	Investigations of strength and ductility in Ni-xCo-10Al alloys via discontinuous precipitation. <i>Materials Characterization</i> , 2020, 163, 110318.	4.4	6
31	Improving the mechanical behavior of an ultrafine grained Cu-6.4vol.%NbC nanocomposite by hot rolling. <i>Materials Letters</i> , 2020, 265, 127456.	2.6	5
32	Effect of NbC volume fraction on mechanical properties of ultrafine grained Cu@NbC nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 790, 139674.	5.6	3
33	Enhanced strength and toughness of bulk ultrafine grained Cu by nacre-inspired lamellar structure. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154234.	5.5	3
34	Plastic deformation behavior of ultrafine grained CoCrFeNiMn high entropy alloy with nanoparticles. <i>Intermetallics</i> , 2022, 142, 107459.	3.9	3
35	A general synthetic strategy for N, P co-doped graphene supported metal-rich noble metal phosphides for hydrogen generation. <i>Green Energy and Environment</i> , 2024, 9, 152-162.	8.7	3