Chao Yang

List of Publications by Year
in descending order

15 papers	337 citations	1040056 9 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	434 citing authors

#	Article	IF	Citations
1	Tunable microstructures and tensile mechanical properties of oxide-dispersion-strengthened Cu by extrusion and secondary processing. Journal of Alloys and Compounds, 2020, 812, 152112.	5.5	9
2	Investigating bulk mechanical properties on a micro-scale: Micro-tensile testing of ultrafine grained Niâ€"SiC composite to determine its fracture mechanism and strain rate sensitivity. Journal of Alloys and Compounds, 2020, 817, 152774.	5.5	7
3	Investigation on the Microstructure and Wear Behavior of Laser-Cladded High Aluminum and Chromium Fe-B-C Coating. Materials, 2020, 13, 2443.	2.9	5
4	Effect of temperature on oxidation resistance and isothermal oxidation mechanism of novel wear-resistant Fe-Cr-B-Al-C-Mn-Si alloy. Corrosion Science, 2020, 170, 108620.	6.6	24
5	On the Formation of Nanoscale Intergranular Intermetallic Compound Films in a Cu-5 at. pct Zr Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4569-4581.	2.2	1
6	Hallâ€"Petch Slope in Ultrafine Grained Al-Mg Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4047-4057.	2.2	11
7	Doping Ti to achieve microstructural refinement and strength enhancement in a high volume fraction Y2O3 dispersion strengthened Cu. Journal of Alloys and Compounds, 2018, 753, 18-27.	5.5	18
8	Heterogeneous microstructure of an Al2O3 dispersion strengthened Cu by spark plasma sintering and extrusion and its effect on tensile properties and electrical conductivity. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 730, 328-335.	5.6	23
9	The Effect of Milling Time on the Microstructural Characteristics and Strengthening Mechanisms of NiMo-SiC Alloys Prepared via Powder Metallurgy. Materials, 2017, 10, 389.	2.9	5
10	Efficient Solar-Thermal Energy Harvest Driven by Interfacial Plasmonic Heating-Assisted Evaporation. ACS Applied Materials & Interfaces, 2016, 8, 23412-23418.	8.0	144
11	The Key Role of Ball Milling Time in the Microstructure and Mechanical Property of Ni-TiCNP Composites. Journal of Materials Engineering and Performance, 2016, 25, 5280-5288.	2.5	3
12	The Effect of Grain Size and Dislocation Density on the Tensile Properties of Ni-SiCNP Composites During Annealing. Journal of Materials Engineering and Performance, 2016, 25, 726-733.	2.5	15
13	High-temperature stability of Ni-3 wt.% SiCNP composite and the effect of milling time. Journal of Nuclear Materials, 2015, 467, 635-643.	2.7	20
14	Microstructures and Tensile Properties of Ultrafine-Grained Niâ€"(1â€"3.5)Âwt% SiCNP Composites Prepared by a Powder Metallurgy Route. Acta Metallurgica Sinica (English Letters), 2015, 28, 809-816.	2.9	30
15	Effect of Milling Time on the Microstructure and Tensile Properties of Ultrafine Grained Niâ€"SiC Composites at Room Temperature. Journal of Materials Science and Technology, 2015, 31, 923-929.	10.7	22