Kai Cui

List of Publications by Year
in descending order

18 papers	75 citations	1684188 5 h-index	1588992 8 g-index
18 all docs	18 docs citations	18 times ranked	39 citing authors

#	Article	IF	Citations
1	Electrochemical characterization and influencing factor analysis of the real surface area of lamellar Ni3Si electrode. Materials Chemistry and Physics, 2022, 281, 125957.	4.0	4
2	Microstructure and microhardness of directionally solidified NiAlâ€“W eutectic alloy. Rare Metals, 2020, 39, 1174-1180.	7.1	3
3	Effect of time-varying magnetic field on metal droplet profiles. Indian Journal of Physics, 2020, 94, 969-973.	1.8	0
4	Bibliometric analysis on self-assembly research in nanoscale. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	1
5	Morphologies, Youngâ€™s Modulus and Resistivity of High Aspect Ratio Tungsten Nanowires. Materials, 2020, 13, 3749.	2.9	3
6	Preparation, Properties, and Applications of Lamellar Ni3Si. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 3365-3370.	2.2	5
7	Electrochemically prepared Ni3Si with controllable areal capacity. Journal of Electroanalytical Chemistry, 2020, 865, 114146.	3.8	5
8	Electrochemically produced batteryâ€type Ni(OH) 2 /Ni 3 Si electrodes. Micro and Nano Letters, 2020, 15, 1051-1054.	1.3	2
9	Capillary flows along microchannels in the presence of magnetic field. Indian Journal of Physics, 2019, 93, 213-219.	1.8	0
10	Structure and magnetic properties of ordered coralâ€globularâ€like Co particles prepared by electrodeposition. Materials Research Express, 2019, 6, 126128.	1.6	0
11	Effect of growth rate on the microstructural transition and microhardness of directionally solidified Niâ€“11.8â€wt% Si hypereutectic alloy. Journal of Alloys and Compounds, 2018, 742, 135-141.	5.5	5
12	Lamellar Ni₃Si Microchannels and Ni₃Si Micropore Arrays in Niâ€Ni₃Si Hypereutectic Alloys. Journal of the Electrochemical Society, 2018, 165, E45-E49.	2.9	6
13	Morphological instability of lamellar structures in directionally solidified Niâ€“Ni3Si alloys. Journal of Crystal Growth, 2018, 483, 275-280.	1.5	13
14	Surface Porous Structure and Microhardness of Intermetallic NiAl Compound. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 3575-3583.	2.2	4
15	Morphology of W fibers and kinetic undercooling in directionally solidified NiAlâ€“W eutectic alloy. Journal of Materials Science, 2018, 53, 12523-12533.	3.7	5
16	Electrochemical Production of a Magnetic Ni₃Si Template in Lamellar Niâ€“Si Eutectic Alloy. Journal of the Electrochemical Society, 2017, 164, E332-E336.	2.9	8
17	Theoretical and experimental study of liquid infiltration propelled by electromagnetic pressure. Applied Physics Letters, 2017, 111, .	3.3	3
18	Multiple micro-channels Ni3Si template fabricated by selective dissolution of Ni-Ni3Si eutectic. Materials Letters, 2017, 186, 375-377.	2.6	8