

# Kai Cui

## List of Publications by Year in descending order

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Version: 2024-02-01

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