

Yongsheng Ren

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Evolution Mechanism of Solid-Liquid Interface of Large-Sized Bulk Polysilicon via Si-Sn Solution Growth. <i>Crystal Growth and Design</i> , 2022, 22, 2066-2070.	3.0	2
2	Solid solubility and site preference of Ti in 3C- and 6H-SiC. <i>Materialia</i> , 2022, 21, 101369.	2.7	1
3	Recent progress in upgrading metallurgical-grade silicon to solar-grade silicon via pyrometallurgical routes. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 767-782.	4.9	2
4	Separation mechanism of bulk Si from Si-Sn melt via upwards directional solidification based on the density difference. <i>Vacuum</i> , 2022, 201, 111081.	3.5	1
5	Distribution behaviour of boron between ZrTiHfCuNi high entropy alloy and silicon. <i>Separation and Purification Technology</i> , 2021, 271, 118863.	7.9	6
6	Efficient separation of bulk Si and enhanced B removal by Si-Sn-Cu ternary solvent refining with Zr addition. <i>Separation and Purification Technology</i> , 2021, 275, 119242.	7.9	4
7	Purification of aluminium-silicon alloy by electromagnetic directional solidification: Degassing and grain refinement. <i>Separation and Purification Technology</i> , 2021, 277, 119459.	7.9	16
8	Low-Temperature Process for the Fabrication of Low-Boron Content Bulk Si from Si-Cu Solution with Zr Addition. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6853-6860.	6.7	23
9	Effect of Zr addition on B-removal behaviour during solidification purification of Si with Si-Sn solvent. <i>Vacuum</i> , 2019, 167, 319-328.	3.5	12
10	Formation Mechanism of ZrB ₂ in a Si-Cu Melt and Its Potential Application for Refining Si and Recycling Si Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 20107-20113.	6.7	20
11	Growth control and enrichment of Si crystals from Si-Sn melt by directional solidification. <i>Vacuum</i> , 2018, 158, 86-92.	3.5	22
12	Degassing of aluminum alloys via the electromagnetic directional solidification. <i>Vacuum</i> , 2014, 109, 82-85.	3.5	25