

Qiaofu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

305
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

230
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracting interdiffusion coefficients from binary diffusion couples using traditional methods and a forward-simulation method. <i>Intermetallics</i> , 2013, 34, 132-141.	3.9	74
2	Measurement of interdiffusion and impurity diffusion coefficients in the bcc phase of the Ti-X (X=Cr, Fe, Ni, Pd, Pt, Ta) binary systems. <i>Journal of Alloys and Compounds</i> , 2014, 604, 3255-3268.	3.7	50
3	Role of binder phase on the microstructure and mechanical properties of a mechanically alloyed and spark plasma sintered WC-FCC HEA composites. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160265.	5.5	34
4	Impurity and interdiffusion coefficients of the Cr-X (X=Co, Fe, Mo, Nb, Ni, Pd, Pt, Ta) binary systems. <i>Journal of Alloys and Compounds</i> , 2014, 604, 142-150.	5.5	32
5	Accurate and efficient measurement of impurity (dilute) diffusion coefficients without isotope tracer experiments. <i>Scripta Materialia</i> , 2017, 128, 32-35.	5.2	30
6	Combinatorial Approach Based on Interdiffusion Experiments for the Design of Thermoelectrics: Application to the Mg ₂ (Si,Sn) Alloys. <i>Chemistry of Materials</i> , 2014, 26, 4334-4337.	6.7	27
7	pydiffusion: A Python Library for Diffusion Simulation and Data Analysis. <i>Journal of Open Research Software</i> , 2019, 7, 13.	5.9	14
8	Effective evaluation of interfacial energy by matching precipitate sizes measured along a composition gradient with Kampmann-Wagner numerical (KWN) modeling. <i>Scripta Materialia</i> , 2019, 160, 70-74.	5.2	12
9	Diffusion Coefficients and Phase Equilibria of the Cu-Zn Binary System Studied Using Diffusion Couples. <i>Journal of Phase Equilibria and Diffusion</i> , 2020, 41, 642-653.	1.4	12
10	A simple yet general model of binary diffusion coefficients emerged from a comprehensive assessment of 18 binary systems. <i>Acta Materialia</i> , 2021, 215, 117077.	7.9	12
11	Phase transformations during continuous cooling in Inconel 718 alloys manufactured by laser powder bed fusion and suction casting. <i>Materials Characterization</i> , 2022, 185, 111764.	4.4	7
12	Consideration of recrystallization modeling of γ/γ' -strengthened Ni-based superalloys at sub-solvus temperatures. <i>Journal of Physics: Conference Series</i> , 2019, 1270, 012051.	0.4	1
13	Impact of Coarse γ' Phase on Recrystallization Modeling in New Ni-Based Superalloy M647. <i>Minerals, Metals and Materials Series</i> , 2020, , 482-490.	0.4	0