Jian Wang

List of Publications by Year
in descending order

20 papers	268 citations	933447 10 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	178 citing authors

#	Article	IF	Citations
1	Experimental study of the phase equilibria in the Mg–Zn–Ag ternary system at 300 °C. Journal of Alloys and Compounds, 2015, 639, 593-601.	5.5	37
2	Thermodynamic evaluation and optimization of the (Na+X) binary systems (X=Ag, Ca, In, Sn, Zn) using combined Calphad and first-principles methods of calculation. Journal of Chemical Thermodynamics, 2013, 66, 22-33.	2.0	23
3	Thermodynamic optimizations on the binary Li–Sn system and ternary Mg–Sn–Li system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 47, 100-113.	1.6	23
4	Thermodynamic and Experimental Study of the Mg-Sn-Ag-In Quaternary System. Journal of Phase Equilibria and Diffusion, 2014, 35, 284-313.	1.4	22
5	Experimental determination of the phase equilibria in the Mg–Zn–Sr ternary system. Journal of Materials Science, 2015, 50, 7636-7646.	3.7	22
6	Experimental study of the crystal structure of the Mg15−xZnxSr3 ternary solid solution in the Mg–Zn–Sr system at 300°C. Materials and Design, 2015, 86, 305-312.	7.0	21
7	Thermodynamic description of the Ag–(Ca, Li, Zn) and Ca–(In, Li) binary systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2015, 50, 68-81.	1.6	20
8	Experimental and thermodynamic study of the Mg–Sn–In–Zn quaternary system. Journal of Alloys and Compounds, 2014, 588, 75-95.	5.5	17
9	Critical evaluation and thermodynamic optimization of the (U + Bi), (U + Si) and (U + Sn) binary systems. Journal of Chemical Thermodynamics, 2016, 92, 158-167.	2.0	17
10	Experimental and thermodynamic study of the Mg-Sn-Ca-Sr quaternary system: Part I-Mg-Sn-Ca ternary system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2017, 58, 6-16.	1.6	14
11	Experimental investigation and thermodynamic modeling of the Mg–Sn–Sr ternary system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 72, 102237.	1.6	9
12	Investigation on metallic glass formation in Mg-Zn-Sr ternary system combined with the CALPHAD method. Materials Letters, 2019, 256, 126628.	2.6	8
13	Recent Progress on the Factsage Thermodynamic Database for New Mg Alloy Development. Jom, 2017, 69, 1052-1059.	1.9	7
14	Thermodynamic Optimization of the Ag–Bi–Cu–Ni Quaternary System: Part I, Binary Subsystems. Journal of Electronic Materials, 2018, 47, 4056-4069.	2.2	7
15	Experimental investigation and thermodynamic modeling of the Mg–Cu–Ca ternary system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 75, 102325.	1.6	7
16	Critical evaluation and thermodynamic modeling of the Ag-X (X=Mn, Y, Sr) binary systems. Intermetallics, 2021, 136, 107260.	3.9	4
17	Investigation on the Mechanical and Corrosion Properties of ZnMnSr Alloys for Biodegradable Orthopedic Implants. Advanced Engineering Materials, 2022, 24, .	3.5	4
18	Critical evaluation and thermodynamic optimization of the U-Pb and U-Sb binary systems. Journal of Nuclear Materials, 2016, 480, 216-222.	2.7	3

#	Article	IF	Citations
19	Experimental measurement on the phase equilibria of the Mgâ€"Agâ€"Cu ternary system at 350 and 400â€¯Â°C. Journal of Magnesium and Alloys, 2022, 10, 449-457.	11.9	3
20	Determination of the Phase Equilibria in the Mg-Ag-Ca Ternary System at 350ÂÂ°C. Journal of Phase Equilibria and Diffusion, 2021, 42, 831-841.	1.4	0