

Karin Frisk

List of Publications by Year in descending order

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35
papers

1,079
citations

361045

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414034

32
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36
all docs

36
docs citations

36
times ranked

782
citing authors

#	ARTICLE	IF	CITATIONS
1	A thermodynamic evaluation of the Cr-N, Fe-N, Mo-N and Cr-Mo-N systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 1991, 15, 79-106.	0.7	143
2	Assessment of the Fe-Ni-Al system. Intermetallics, 2006, 14, 1276-1290.	1.8	102
3	A revised thermodynamic description of the Ti-C system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2003, 27, 367-373.	0.7	80
4	A thermodynamic evaluation of the Mo-Ni system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 1990, 14, 311-320.	0.7	57
5	Development of a database for cemented carbides: Thermodynamic modeling and experiments. Journal of Phase Equilibria and Diffusion, 2001, 22, 645-655.	0.3	55
6	A thermodynamic evaluation of the Cr-Fe-N system. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 2477-2488.	1.4	51
7	Analysis of the phase diagram and thermochemistry in the Ta-N and the Ta-C-N systems. Journal of Alloys and Compounds, 1998, 278, 216-226.	2.8	51
8	An assessment of the Cr-Mo-W system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 1988, 12, 247-254.	0.7	47
9	Effect of Cr and V on phase equilibria in Co-WC based hardmetals. International Journal of Materials Research, 2008, 99, 287-293.	0.1	45
10	Kinetics of formation of graded layers on cemented carbides: Experimental investigations and DICTRA simulations. International Journal of Refractory Metals and Hard Materials, 2011, 29, 256-259.	1.7	39
11	A new assessment of the Fe-N phase diagram. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 1987, 11, 127-134.	0.7	35
12	Combined ab-initio and experimental assessment of mixed carbides. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 615-623.	0.7	29
13	Diffusion, Permeation and Solubility of Hydrogen in Copper. Journal of Phase Equilibria and Diffusion, 2017, 38, 65-69.	0.5	29
14	The compound energy formalism: applications. Journal of Alloys and Compounds, 2001, 320, 177-188.	2.8	28
15	A thermodynamic analysis of the Mo-V and Mo-V-C system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2002, 26, 459-476.	0.7	27
16	Development of a thermodynamic database for cemented carbides for design and processing simulations. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2000, 31, 615-619.	1.0	26
17	Thermodynamic modelling of the M ₆ C carbide in cemented carbides and high-speed steel. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2005, 29, 91-96.	0.7	24
18	Characterization of intermetallic Fe-Mn-Si powders produced by casting and mechanical ball milling. Powder Technology, 2003, 137, 139-147.	2.1	23

#	ARTICLE	IF	CITATIONS
19	Experimental investigation of the equilibrium composition of titanium carbonitride and analysis using thermodynamic modelling. International Journal of Materials Research, 2004, 95, 987-992.	0.8	23
20	Thermodynamic modelling of multicomponent cubic Nb, Ti and V carbides/carbonitrides. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 326-337.	0.7	23
21	An experimental and theoretical study of the phase equilibria in the Fe-Mo-Ni system. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 639-649.	1.4	20
22	Experimental and thermodynamic evaluation of the Co-Cr-C system. International Journal of Materials Research, 2006, 97, 1243-1250.	0.1	19
23	Solubility of N in Cr-Fe-Mo-Ni alloys. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 1271-1278.	1.4	18
24	Experimental and thermodynamic evaluation of the miscibility gaps in MC carbides for the Co-Co-Ti-V-W-Zr system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, 33, 530-538.	0.7	16
25	A thermodynamic evaluation of the CR-MN-N system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 1993, 17, 335-349.	0.7	10
26	An experimental study and thermodynamic calculations of phase equilibria in the Fe-Mo-C-N system. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1996, 27, 2869-2880.	1.1	10
27	Precipitation in Microalloyed Steel by Model Alloy Experiments and Thermodynamic Calculations. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4806-4817.	1.1	9
28	Experimental and computational study of nitride precipitation in a CrMnN austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 435-441.	2.6	9
29	Assessment and Evaluation of Mobilities for Diffusion in the bcc Cr-V-Fe System. Journal of Phase Equilibria and Diffusion, 2009, 30, 323-333.	0.5	7
30	Assessment and Evaluation of Mobilities for Diffusion in the bcc Cr-Mo-Fe System. Journal of Phase Equilibria and Diffusion, 2012, 33, 375-389.	0.5	5
31	Thermodynamic evaluation of the copper-rich part of the CuHOSP system at low temperatures. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 47, 148-160.	0.7	5
32	Experimental and Theoretical Investigations of Hot Isostatically Pressed Produced Stainless Steel/High Alloy Tool Steel Compound Materials. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1165-1172.	1.1	4
33	The effect of nitrogen on the coarsening rate of precipitate phases in iron-based alloys with chromium and vanadium: experimental and theoretical investigations. International Journal of Materials Research, 2013, 104, 442-451.	0.1	4
34	Development of a database for cemented carbides: Thermodynamic modeling and experiments. , 2001, 22, 645.		3
35	A Revised Thermodynamic Description of the Co-W-C System. Journal of Phase Equilibria and Diffusion, 2005, 26, 152-160.	0.5	3