Jiri Sopousek

List of Publications by Year in descending order

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28	391	840776 11	794594 19
papers	citations	h-index	g-index

28	28	28	437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On thermal stability of nanocrystalline Agâ€“Cu-S powders. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	3
2	Thermal analysis and Knudsen effusion mass spectrometry combined in a specially-adapted commercial skimmer coupled instrument (Netzsch). Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 65, 86-92.	1.6	9
3	Study of surface effects and catalytic properties of selected Ni-based bimetallic nanoparticles by Knudsen effusion mass spectrometry. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 64, 334-341.	1.6	8
4	Heat-induced spinodal decomposition of Agâ€“Cu nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 28277-28285.	2.8	26
5	Temperature stability of AgCu nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	9
6	Calphad-type assessment of the Sbâ€“Snâ€“Zn ternary system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2015, 51, 51-56.	1.6	9
7	AgCu Bimetallic Nanoparticles under Effect of Low Intensity Ultrasound: The Cell Viability Study In Vitro. Journal of Cancer Research, 2014, 2014, 1-6.	0.7	14
8	Ag-Cu Colloid Synthesis: Bimetallic Nanoparticle Characterisation and Thermal Treatment. Journal of Nanomaterials, 2014, 2014, 1-13.	2.7	45
9	Experimental Study of the Sb-Sn-Zn Alloy System. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 1181-1188.	2.2	8
10	Cuâ€“Ni nanoalloy phase diagram â€“ Prediction and experiment. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 45, 33-39.	1.6	76
11	Phase transformations in Higher Manganese Silicides. Journal of Alloys and Compounds, 2013, 551, 30-36.	5.5	24
12	Combination of Thermal Analysis and Knudsen Effusion Mass Spectrometry for Study of Metal Materials on Macro- and Nano-Scale. ECS Transactions, 2013, 46, 69-76.	0.5	6
13	Phase diagram prediction and particle characterization of Sn-Ag nano alloy for low melting point lead-free solders. Journal of Mining and Metallurgy, Section B: Metallurgy, 2012, 48, 419-425.	0.8	29
14	Silver nanoparticles sintering at low temperature on a copper substrate: In situ characterization under inert atmosphere and air. Journal of Mining and Metallurgy, Section B: Metallurgy, 2012, 48, 63-71.	0.8	12
15	Contribution to the study of the pseudobinary Zr1Nbâ€“Oxygen phase diagram by local oxygen measurements of Zr1Nb fuel cladding after high temperature oxidation. Journal of Nuclear Materials, 2012, 420, 314-319.	2.7	9
16	Interaction of silver nanopowder with copper substrate. Science of Sintering, 2011, 43, 33-38.	1.4	3
17	Thermal Analysis of the Sn-Ag-Cu-In Solder Alloy. Journal of Electronic Materials, 2010, 39, 312-317.	2.2	19
18	Experimental determination of phase equilibria and reassessment of Agâ€“Pd system. Journal of Alloys and Compounds, 2010, 504, 431-434.	5.5	10

#	Article	IF	Citations
19	More sophisticated thermodynamic designs of welds between dissimilar steels. Science and Technology of Welding and Joining, 2008, 13, 17-24.	3.1	12
20	Carbon and Nitrogen Activities of Materials of Weld Joints. Defect and Diffusion Forum, 2007, 263, 225-230.	0.4	0
21	Thermodynamic assessment of the Hgâ€“Tl system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2006, 30, 425-430.	1.6	3
22	Carbon and Nitrogen Redistribution in Weld Joint of Ion Nitrided 15CrMoV 2-5-3 and Advanced P91 Heat-Resistant Steels. Journal of Phase Equilibria and Diffusion, 2006, 27, 363-369.	1.4	0
23	Experimental and theoretical study of redistribution of alloying elements in Ni-based weld joints at high temperatures. Intermetallics, 2005, 13, 872-878.	3.9	7
24	Simulation of dissimilar weld joints of steel P91. Science and Technology of Welding and Joining, 2004, 9, 59-64.	3.1	17
25	Sigma-phase equilibria and nucleation in Fe-Cr-Ni alloys at high temperature. Scripta Materialia, 1996, 35, 689-693.	5.2	24
26	Thermodynamic investigation of the austenite and the delta ferrite in the system Fe-Cr-Mn-N. Steel Research = Archiv FÃ¼r Das EisenhÃ¼ttenwesen, 1996, 67, 26-33.	0.3	6
27	M23C6 carbide equilibria in the Fe-Cr-C system. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1996, 27, 701-704.	2.1	2
28	Thermodynamic Prediction of Zr-Nb-O-H Phase Diagram Sections. Solid State Phenomena, 0, 172-174, 487-492.	0.3	1