

# Pavel Broz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4779120/publications.pdf>

Version: 2024-02-01

19  
papers

208  
citations

1307594

7  
h-index

1058476

14  
g-index

20  
all docs

20  
docs citations

20  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu–Ni nanoalloy phase diagram – Prediction and experiment. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 45, 33-39.	1.6	76
2	Heat-induced spinodal decomposition of Ag–Cu nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 28277-28285.	2.8	26
3	Study of thermal stability of CoSb <sub>3</sub> skutterudite by Knudsen effusion mass spectrometry. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 65, 1-7.	1.6	18
4	Title is missing!. Transition Metal Chemistry, 2000, 25, 265-269.	1.4	17
5	Temperature stability of AgCu nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	9
6	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
7	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
8	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
9	Computer-Aided Thermodynamics of Solid Ternary Fe <sub>1-x</sub> (Ni <sub>0.86</sub> Cr <sub>0.14</sub> ) <sub>x</sub> Alloys by Knudsen Cell Mass Spectrometry. Zeitschrift Für Elektrotechnik Und Elektrochemie, 1995, 99, 802-806.	0.9	5
10	Phase Equilibria in the Ni–Al–W System at 900°C. Monatshefte Für Chemie, 2005, 136, 1915-1920.	1.8	5
11	Study of thermal stability of p-type skutterudites $DD_{0.7}Fe_3CoSb_{12}$ by Knudsen effusion mass spectrometry. RSC Advances, 2019, 9, 21451-21459.	3.6	5
12	On the constitution and thermodynamic modeling of the phase diagrams Nb-Mn and Ta-Mn. Journal of Alloys and Compounds, 2021, 865, 158715.	5.5	4
13	Study of thermal stability of half-Heusler alloys TiFe <sub>1.33</sub> Sb and Ti <sub>x</sub> Nb <sub>1-x</sub> FeSb (x = 0, 0.15) by differential thermal analysis and Knudsen effusion method. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102292.	1.6	4
14	Thermodynamic analysis of the $\delta'$ ferrite in the systems Fe-Cr-N and Fe-Cr-Mn-N. Steel Research = Archiv Für Das Eisenhüttenwesen, 1996, 67, 279-284.	0.3	3
15	The system Ce–Zn–Si for <33.3 at.% Ce: phase relations, crystal structures and physical properties. RSC Advances, 2015, 5, 36480-36497.	3.6	3
16	Experimental study and thermodynamic re-assessment of the Co–Sb system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 68, 101694.	1.6	3
17	On thermal stability of nanocrystalline Ag–Cu-S powders. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	3
18	Study of thermal stability of n-type skutterudites Sr <sub>0.07</sub> Ba <sub>0.07</sub> Yb <sub>0.07</sub> Co <sub>4</sub> Sb <sub>12</sub> by differential thermal analysis and Knudsen effusion method. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 73, 102258.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Determination of Polychlorinated Biphenyls by Means of Electrochemical Methods. <i>Electroanalysis</i> , 1999, 11, 978-983.	2.9	1