

# Sergeev Dmitry

## List of Publications by Year in descending order

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26  
papers

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citations

1307594

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1058476

14  
g-index

26  
all docs

26  
docs citations

26  
times ranked

155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamics of the NaCl–KCl system. <i>Thermochimica Acta</i> , 2015, 606, 25-33.	2.7	30
2	Vaporization behavior of Na <sub>2</sub> CO <sub>3</sub> and K <sub>2</sub> CO <sub>3</sub> . <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2019, 65, 42-49.	1.6	30
3	Review and characterisation of high-temperature phase change material candidates between 500°C and 700°C. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111528.	16.4	24
4	Comprehensive analysis of thermodynamic properties of calcium nitrate. <i>Journal of Chemical Thermodynamics</i> , 2019, 134, 187-194.	2.0	18
5	Phase equilibria in the reciprocal NaCl–KCl–NaNO <sub>3</sub> –KNO <sub>3</sub> system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2015, 51, 111-124.	1.6	14
6	Vaporization of Ni, Al and Cr in Ni-Base Alloys and Its Influence on Surface Defect Formation During Manufacturing of Single-Crystal Components. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 309-322.	2.2	12
7	Microstructure and Thermal Analysis of Metastable Intermetallic Phases in High-Entropy Alloy CoCrFeMo <sub>0.85</sub> Ni. <i>Materials</i> , 2021, 14, 1073.	2.9	10
8	Thermodynamics of the reciprocal NaCl–KCl–NaNO <sub>3</sub> –KNO <sub>3</sub> system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2016, 53, 97-104.	1.6	7
9	Thermodynamics of the Ca(NO <sub>3</sub> ) <sub>2</sub> –NaNO <sub>3</sub> system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2019, 67, 101688.	1.6	7
10	Thermodynamic study of single crystal, Ni-based superalloys in the $\hat{\Gamma}^3+\hat{\Gamma}^3$ two-phase region using Knudsen Effusion Mass Spectrometry, DSC and SEM. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159295.	5.5	7
11	Atomization Energies of LnX Molecules (Ln = Sm, Eu, and Yb; X = Cl, Br, and I). <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 4010-4014.	1.9	6
12	Experimental study of thermodynamic properties and phase equilibria in Na <sub>2</sub> CO <sub>3</sub> –K <sub>2</sub> CO <sub>3</sub> system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2020, 71, 101992.	1.6	6
13	Knudsen effusion mass spectrometric determination of the complex vapor composition of samarium, europium, and ytterbium bromides. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1715-1722.	1.5	5
14	Biomorphic Fibrous TiO <sub>2</sub> Photocatalyst Obtained by Hydrothermal Impregnation of Short Flax Fibers with Titanium Polyhydroxocomplexes. <i>Catalysts</i> , 2020, 10, 541.	3.5	5
15	On the Phosphorus Evaporation from Liquid Silicon by Knudsen Effusion Mass Spectrometry. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2022, 53, 1066-1081.	2.1	5
16	Extrapolated difference technique for the determination of atomization energies of Sm, Eu, and Yb bromides. <i>International Journal of Mass Spectrometry</i> , 2013, 348, 23-28.	1.5	4
17	Energy characteristics of molecules and ions of ytterbium iodides. <i>International Journal of Mass Spectrometry</i> , 2014, 374, 1-3.	1.5	4
18	Introduction to proceedings of the workshop on Knudsen Effusion Mass Spectrometry. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2019, 65, 111-126.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Experimental study and thermodynamic assessment of thermodynamic properties of pure Li <sub>2</sub> CO <sub>3</sub> and K <sub>2</sub> CO <sub>3</sub> . Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2022, 78, 102452.	1.6	4
20	Determination of the Work Function for Europium Dibromide by Knudsen Effusion Mass Spectrometry. Journal of Chemical & Engineering Data, 2012, 57, 436-438.	1.9	3
21	Experimental study coupled with thermodynamic assessment of the NiSO <sub>4</sub> –K <sub>2</sub> SO <sub>4</sub> quasi binary system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102328.	1.6	3
22	Thermodynamic description of the ternary systems of the core sulphate system Na <sub>2</sub> SO <sub>4</sub> –K <sub>2</sub> SO <sub>4</sub> –MgSO <sub>4</sub> –CaSO <sub>4</sub> . Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102313.	1.6	2
23	Assessment of Metallurgical Slags as Solar Heat Absorber Particles. Minerals (Basel, Switzerland), 2022, 12, 121.	2.0	2
24	Vapor Phase of Thermally Unstable Sm, Eu, Yb Bromides. ECS Transactions, 2013, 46, 173-186.	0.5	1
25	Mass Spectrometric Study of the Ln–Ln <sub>3</sub> (Ln = La, Ce) Systems. ECS Transactions, 2013, 58, 13-18.	0.5	0
26	Kinetics of Silicon Nitridation and the Formation Mechanism of $\sqrt{2}$ -Si <sub>3</sub> N <sub>4</sub> at Atmospheric Pressure and 1410 Å°C. Industrial & Engineering Chemistry Research, 2022, 61, 10024-10033.	3.7	0