

# Sergeev Dmitry

## List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Metallurgical Slags as Solar Heat Absorber Particles. Minerals (Basel, Switzerland), 2022, 12, 121.	2.0	2
2	On the Phosphorus Evaporation from Liquid Silicon by Knudsen Effusion Mass Spectrometry. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2022, 53, 1066-1081.	2.1	5
3	Kinetics of Silicon Nitridation and the Formation Mechanism of $\hat{\Gamma}_3/\hat{\Gamma}_2\text{-Si}_{3</sub>N_{4</sub>}$ at Atmospheric Pressure and 1410 Å°C. Industrial & Engineering Chemistry Research, 2022, 61, 10024-10033.	3.7	0
4	Experimental study and thermodynamic assessment of thermodynamic properties of pure $\text{Li}_2\text{CO}_3$ and $\text{K}_2\text{CO}_3$ . Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2022, 78, 102452.	1.6	4
5	Microstructure and Thermal Analysis of Metastable Intermetallic Phases in High-Entropy Alloy $\text{CoCrFeMo}_{0.85}\text{Ni}$ . Materials, 2021, 14, 1073.	2.9	10
6	Thermodynamic study of single crystal, Ni-based superalloys in the $\hat{\Gamma}_3+\hat{\Gamma}_3\hat{\epsilon}^2$ two-phase region using Knudsen Effusion Mass Spectrometry, DSC and SEM. Journal of Alloys and Compounds, 2021, 870, 159295.	5.5	7
7	Experimental study coupled with thermodynamic assessment of the $\text{NiSO}_4\hat{\epsilon}\text{-K}_2\text{SO}_4$ quasi binary system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102328.	1.6	3
8	Thermodynamic description of the ternary systems of the core sulphate system $\text{Na}_2\text{SO}_4\hat{\epsilon}\text{-K}_2\text{SO}_4\hat{\epsilon}\text{-MgSO}_4\hat{\epsilon}\text{-CaSO}_4$ . Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102313.	1.6	2
9	Review and characterisation of high-temperature phase change material candidates between 500ÅC and 700Å°C. Renewable and Sustainable Energy Reviews, 2021, 150, 111528.	16.4	24
10	Vaporization of Ni, Al and Cr in Ni-Base Alloys and Its Influence on Surface Defect Formation During Manufacturing of Single-Crystal Components. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 309-322.	2.2	12
11	Experimental study of thermodynamic properties and phase equilibria in $\text{Na}_2\text{CO}_3\hat{\epsilon}\text{-K}_2\text{CO}_3$ system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 71, 101992.	1.6	6
12	Biomorphic Fibrous $\text{TiO}_2$ Photocatalyst Obtained by Hydrothermal Impregnation of Short Flax Fibers with Titanium Polyhydroxocomplexes. Catalysts, 2020, 10, 541.	3.5	5
13	Introduction to proceedings of the workshop on Knudsen Effusion Mass Spectrometry. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 65, 111-126.	1.6	4
14	Comprehensive analysis of thermodynamic properties of calcium nitrate. Journal of Chemical Thermodynamics, 2019, 134, 187-194.	2.0	18
15	Vaporization behavior of $\text{Na}_2\text{CO}_3$ and $\text{K}_2\text{CO}_3$ . Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 65, 42-49.	1.6	30
16	Thermodynamics of the $\text{Ca}(\text{NO}_3)_2\hat{\epsilon}\text{-NaNO}_3$ system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 67, 101688.	1.6	7
17	Thermodynamics of the reciprocal $\text{NaCl}\hat{\epsilon}\text{-KCl}\hat{\epsilon}\text{-NaNO}_3\hat{\epsilon}\text{-KNO}_3$ system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2016, 53, 97-104.	1.6	7
18	Thermodynamics of the $\text{NaCl}\hat{\epsilon}\text{-KCl}$ system. Thermochimica Acta, 2015, 606, 25-33.	2.7	30

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19	Phase equilibria in the reciprocal NaCl–KCl–NaNO <sub>3</sub> –KNO <sub>3</sub> system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2015, 51, 111-124.	1.6	14
20	Atomization Energies of LnX Molecules (Ln = Sm, Eu, and Yb; X = Cl, Br, and I). Journal of Chemical & Engineering Data, 2014, 59, 4010-4014.	1.9	6
21	Energy characteristics of molecules and ions of ytterbium iodides. International Journal of Mass Spectrometry, 2014, 374, 1-3.	1.5	4
22	Mass Spectrometric Study of the Ln-LnI <sub>3</sub> (Ln = La, Ce) Systems. ECS Transactions, 2013, 58, 13-18.	0.5	0
23	Extrapolated difference technique for the determination of atomization energies of Sm, Eu, and Yb bromides. International Journal of Mass Spectrometry, 2013, 348, 23-28.	1.5	4
24	Knudsen effusion mass spectrometric determination of the complex vapor composition of samarium, europium, and ytterbium bromides. Rapid Communications in Mass Spectrometry, 2013, 27, 1715-1722.	1.5	5
25	Vapor Phase of Thermally Unstable Sm, Eu, Yb Bromides. ECS Transactions, 2013, 46, 173-186.	0.5	1
26	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