# Maksym Shevchenko

List of Publications by Year
in descending order



| 88 | 734 | 687363 13 | 794594 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 91 | 91 | 91 | 224 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Experimental phase equilibria studies of the PbOâ€“SiO<sub>2</sub> system. Journal of the American Ceramic Society, 2018, 101, 458-471. | 3.8 | 39 |
| 2 | Experimental Liquidus Studies of the Pb-Fe-Si-O System in Equilibrium with Metallic Pb. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 159-180. | 2.1 | 39 |
| 3 | Experimental Liquidus Studies of the Pb-Fe-Si-O System in Air. Journal of Phase Equilibria and Diffusion, 2019, 40, 319-355. | 1.4 | 29 |
| 4 | Experimental liquidus study of the binary PbO-ZnO and ternary PbO-ZnO-SiO2 systems. Ceramics International, 2019, 45, 6795-6803. | 4.8 | 27 |
| 5 | Thermodynamic optimization of the binary systems PbO-SiO2, ZnO-SiO2, PbO-ZnO, and ternary PbO-ZnO-SiO2. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 64, 318-326. | 1.6 | 23 |
| 6 | Thermodynamic optimization of the Al2O3â€“FeOâ€“Fe2O3â€“SiO2 oxide system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 67, 101680. | 1.6 | 20 |
| 7 | A Phase Equilibrium of the Iron-rich Corner of the CaOâ€“FeOâ€“Fe<sub>2</sub>O<sub>3</sub>â€“SiO<sub>2</sub> System in Air and the Determination of the SFC Primary Phase Field. ISIJ International, 2019, 59, 795-804. | 1.4 | 20 |
| 8 | Phase Equilibria and Minor Element Distributions in Complex Copper/Slag/Matte Systems. Jom, 2020, 72, 3401-3409. | 1.9 | 19 |
| 9 | Experimental Liquidus Studies of the Binary Pb-Cu-O and Ternary Pb-Cu-Si-O Systems in Equilibrium with Metallic Pb-Cu Alloys. Journal of Phase Equilibria and Diffusion, 2019, 40, 671-685. | 1.4 | 18 |
| 10 | Thermodynamic Properties of Alloys of the Binary Al-Sm, Sm-Sn and Ternary Al-Sm-Sn Systems. Journal of Phase Equilibria and Diffusion, 2015, 36, 39-52. | 1.4 | 17 |
| 11 | Thermodynamic properties of alloys of the Ni-Sc and Ni-Y systems. Russian Journal of Physical Chemistry A, 2014, 88, 897-902. | 0.6 | 15 |
| 12 | Thermodynamic Properties of Alloys in the Binary Caâ€“Ge System. Journal of Phase Equilibria and Diffusion, 2015, 36, 554-572. | 1.4 | 14 |
| 13 | Integrated experimental phase equilibria study and thermodynamic modelling of the binary ZnOâ€“Al2O3, ZnOâ€“SiO2, Al2O3â€“SiO2 and ternary ZnOâ€“Al2O3â€“SiO2 systems. Ceramics International, 2021, 47, 20974-20991. | 4.8 | 14 |
| 14 | Experimental Study of Liquidus of the â€œFeOâ€•SiO2-PbO Slags in Equilibrium with Air and with Metallic Lead. , 2016, , 1221-1228. | | 14 |
| 15 | Experimental Phase Equilibria Studies of the Pb-Fe-O System in Air, in Equilibrium with Metallic Lead and at Intermediate Oxygen Potentials. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 2970-2983. | 2.1 | 13 |
| 16 | Experimental Study and Thermodynamic Calculations of the Distribution of Ag, Au, Bi, and Zn Between Pb Metal and Pbâ€“Feâ€“Oâ€“Si slag. Journal of Sustainable Metallurgy, 2020, 6, 68-77. | 2.3 | 13 |
| 17 | Thermodynamic properties of alloys of the Al-Co and Al-Co-Sc systems. Russian Journal of Physical Chemistry A, 2014, 88, 729-734. | 0.6 | 12 |
| 18 | Experimental Liquidus Study of the Ternary CaO-ZnO-SiO2 System. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 2780-2793. | 2.1 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Thermodynamic optimization of the PbOâ€“FeOâ€“Fe2O3â€“SiO2 system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 67, 101670. | 1.6 | 12 |
| 20 | Experimental Liquidus Study of the Binary PbO-CaO and Ternary PbO-CaO-SiO2 Systems. Journal of Phase Equilibria and Diffusion, 2019, 40, 148-155. | 1.4 | 12 |
| 21 | Characterization of Phase Equilibria and Thermodynamics with Integrated Experimental and Modelling Approach for Complex Lead Primary and Recycling Processing. Minerals, Metals and Materials Series, 2020, , 337-349. | 0.4 | 12 |
| 22 | Experimental Liquidus Studies of the Pb-Cu-Si-O System in Equilibrium with Metallic Pb-Cu Alloys. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1690-1698. | 2.1 | 11 |
| 23 | Experimental Liquidus Studies of the Pb-Fe-Ca-O System in Air. Journal of Phase Equilibria and Diffusion, 2019, 40, 128-137. | 1.4 | 11 |
| 24 | Thermodynamic optimization of the ZnOâ€“FeOâ€“Fe2O3â€“SiO2 system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 68, 101735. | 1.6 | 11 |
| 25 | Experimental measurement and thermodynamic model predictions of the distributions of Cu, As, Sb and Sn between liquid lead and PbOâ€“FeOâ€“Fe2O3â€“SiO2 slag. International Journal of Materials Research, 2020, 111, 733-743. | 0.3 | 11 |
| 26 | Effect of Gas Atmosphere on the Phase Chemistry in the CaOâ€“FeOâ€“Fe<sub>2</sub>O<sub>3</sub>â€“SiO<sub>2</sub> System Related to Iron Ore Sinter-making. ISIJ International, 2019, 59, 805-809. | 1.4 | 10 |
| 27 | Experimental Investigation of Gas/Slag/Matte/Tridymite Equilibria in the Cu-Fe-O-S-Si-Al-Ca-Mg System in Controlled Gas Atmosphere: Experimental Results at 1473ÂK (1200ÂÂ°C), 1573ÂK (1300ÂÂ°C) and p(SO2)â€‰=â€‰0.25Âatm. Journal of Phase Equilibria and Diffusion, 2020, 41, 243-256. | 1.4 | 10 |
| 28 | The Effect of MgO on Gasâ€“Slagâ€“Matteâ€“Tridymite Equilibria in Fayalite-Based Copper Smelting Slags at 1473ÂK (1200ÂÂ°C) and 1573ÂK (1300ÂÂ°C), and P(SO2)â€‰=â€‰0.25Âatm. Journal of Phase Equilibria and Diffusion, 2020, 41, 44-55. | 1.4 | 9 |
| 29 | Experimental study and thermodynamic optimization of the ZnOâ€“FeOâ€“Fe2O3â€“CaOâ€“SiO2 system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 71, 102011. | 1.6 | 9 |
| 30 | Experimental Liquidus Studies of the ZnO-â€œCuO0.5â€•and ZnO-â€œCuO0.5â€•SiO2 Liquidus in Equilibrium with Cu-Zn Metal. Journal of Phase Equilibria and Diffusion, 2020, 41, 207-217. | 1.4 | 9 |
| 31 | Thermodynamic properties of melts of the binary Ag(Au)-Sm systems. Russian Journal of Physical Chemistry A, 2014, 88, 200-206. | 0.6 | 8 |
| 32 | Thermodynamic optimization of the binary PbOâ€“CaO and ternary PbOâ€“CaOâ€“SiO2 systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 70, 101807. | 1.6 | 8 |
| 33 | Experimental Phase Equilibria Studies in the FeO-Fe2O3-CaO-SiO2 System in Air: Results for the Iron-Rich Region. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 1587-1602. | 2.1 | 8 |
| 34 | Experimental Phase Equilibria Studies in the FeO-Fe2O3-CaO-SiO2 System and the Subsystems CaO-SiO2, FeO-Fe2O3-SiO2 in Air. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 1891-1914. | 2.1 | 8 |
| 35 | Experimental study and thermodynamic modeling of the Cuâ€“Snâ€“Siâ€“O system and sub-systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102312. | 1.6 | 8 |
| 36 | Thermodynamic optimization of the binary PbO-â€œCu2Oâ€‰â€œCu2Oâ€•SiO2 and ternary PbO-â€œCu2Oâ€•SiO2 systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 69, 101774. | 1.6 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Experimental liquidus studies of the Znâ€“Feâ€“Siâ€“O system in air. International Journal of Materials Research, 2019, 110, 600-607. | 0.3 | 8 |
| 38 | Thermodynamic properties of liquid alloys Ni-Eu and Ni-Yb. Russian Journal of Physical Chemistry A, 2014, 88, 1463-1471. | 0.6 | 7 |
| 39 | Thermodynamic Properties of Alâ€“Sc Alloys. Powder Metallurgy and Metal Ceramics, 2014, 53, 243-249. | 0.8 | 7 |
| 40 | Thermodynamic Properties of Binary Alâ€“Ce and Ceâ€“Fe Alloys. Powder Metallurgy and Metal Ceramics, 2015, 54, 80-92. | 0.8 | 7 |
| 41 | Thermodynamic properties of alloys of the binary Gdâ€“In system. Russian Journal of Physical Chemistry A, 2016, 90, 1-10. | 0.6 | 7 |
| 42 | Experimental Study and Thermodynamic Calculations in the CaOâ€“Cu2Oâ€“FeOâ€“Fe2O3â€“SiO2 System for Applications in Novel Copper-Based Processes. Journal of Sustainable Metallurgy, 2021, 7, 300-313. | 2.3 | 7 |
| 43 | Experimental Phase Equilibria Studies in the FeO-Fe2O3-CaO-Al2O3 System in Air. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 2416-2429. | 2.1 | 7 |
| 44 | Thermodynamic Properties of Ceâ€“Ni Binary Alloys. Powder Metallurgy and Metal Ceramics, 2016, 54, 590-598. | 0.8 | 6 |
| 45 | Thermodynamic properties of liquid copperâ€“lanthanum alloys. Russian Journal of Physical Chemistry A, 2017, 91, 990-997. | 0.6 | 6 |
| 46 | Thermodynamic optimization of the binary CaOâ€“ZnO and ternary CaOâ€“ZnOâ€“SiO2 systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 70, 101800. | 1.6 | 6 |
| 47 | Experimental Study of Gas-Slag-Matte-Tridymite Equilibria in the Cu-Fe-O-S-Si-Al System at 1573ÂK (1300ÂÂ°C) and P(SO2)â€‰=â€‰0.25Âatm. Journal of Phase Equilibria and Diffusion, 2020, 41, 66-78. | 1.4 | 6 |
| 48 | Investigation of the Thermodynamic Stability of C(A, F)3 Solid Solution in the FeO-Fe2O3-CaO-Al2O3 System and SFCA Phase in the FeO-Fe2O3-CaO-SiO2-Al2O3 System. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 517-527. | 2.1 | 6 |
| 49 | Integrated Experimental and Thermodynamic Modeling Investigation of Phase Equilibria in the PbOâ€“MgOâ€“SiO2 System in Air. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2022, 53, 954-967. | 2.1 | 6 |
| 50 | Thermodynamic properties of Eu-Pd melts. Russian Journal of Physical Chemistry A, 2011, 85, 2068-2073. | 0.6 | 5 |
| 51 | Thermodynamic Properties of Euâ€“In Alloys. Powder Metallurgy and Metal Ceramics, 2015, 53, 693-700. | 0.8 | 5 |
| 52 | Integrated experimental phase equilibria study and thermodynamic modeling of the PbOâ€“SnOâ€“SnO2â€“SiO2 system in air and in equilibrium with Pbâ€“Sn metal. Journal of Alloys and Compounds, 2021, 888, 161402. | 5.5 | 5 |
| 53 | Experimental study of â€œCuO0.5â€•â€œFeOâ€•SiO2 and â€œFeOâ€•SiO2 systems in equilibrium with metal at 1400â€“1680ÂÂ°C. Journal of Alloys and Compounds, 2021, 885, 160853. | 5.5 | 5 |
| 54 | Thermodynamic properties of alloys of the binary Sbâ€“Yb system. Russian Journal of Physical Chemistry A, 2017, 91, 1174-1182. | 0.6 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Experimental Measurements of Slag/Matte/Metal/Tridymite Phase Equilibria in the Cu-Fe-O-S-Si System at 1200Â°C. Mineral Processing and Extractive Metallurgy Review, 0, , 1-11. | 5.0 | 5 |
| 56 | Thermodynamic properties of Niâ€“Hf melts. Powder Metallurgy and Metal Ceramics, 2010, 49, 478-483. | 0.8 | 4 |
| 57 | Thermodynamic properties of Al-Y system melts. Russian Journal of Physical Chemistry A, 2011, 85, 1-8. | 0.6 | 4 |
| 58 | The thermodynamic properties of Al-Si system melts. Russian Journal of Physical Chemistry A, 2011, 85, 164-170. | 0.6 | 4 |
| 59 | Thermodynamic Properties of Liquid Feâ€“Sc Alloys. Powder Metallurgy and Metal Ceramics, 2013, 52, 456-464. | 0.8 | 4 |
| 60 | Thermodynamic Properties of Binary CEâ€“IN Alloys. Powder Metallurgy and Metal Ceramics, 2015, 54, 194-200. | 0.8 | 4 |
| 61 | Thermodynamic Properties of Alloys of the Binary Biâ€”Yb System. Russian Journal of Physical Chemistry A, 2016, 90, 723-734. | 0.6 | 4 |
| 62 | Thermodynamic Properties of Binary Alâ€“Pr Alloys. Powder Metallurgy and Metal Ceramics, 2016, 55, 78-90. | 0.8 | 4 |
| 63 | Experimental Phase Equilibria Study and Thermodynamic Modelling of the PbO-â€œFeOâ€•SiO2, PbO-â€œFeOâ€•CaO and PbO-â€œFeOâ€•CaO-SiO2 Systems in Equilibrium with Metallic Pb and Fe. Journal of Phase Equilibria and Diffusion, 2021, 42, 452-467. | 1.4 | 4 |
| 64 | Thermodynamic properties of alloys of the Co-Sc and Co-Y systems. Russian Journal of Physical Chemistry A, 2015, 89, 931-940. | 0.6 | 3 |
| 65 | Thermodynamic properties of alloys of the binary Inâ€“La system. Russian Journal of Physical Chemistry A, 2016, 90, 1101-1114. | 0.6 | 3 |
| 66 | Thermodynamic Properties of Laâ€“Ni Alloys. Powder Metallurgy and Metal Ceramics, 2017, 55, 717-725. | 0.8 | 3 |
| 67 | Thermodynamic characteristics and phase equilibria in the alloys of the Geâ€“La system. Russian Journal of Physical Chemistry A, 2017, 91, 1380-1387. | 0.6 | 3 |
| 68 | Thermodynamic Properties of Binary Alâ€“Nd Alloys. Powder Metallurgy and Metal Ceramics, 2017, 56, 333-354. | 0.8 | 3 |
| 69 | Integrated experimental liquidus and modelling studies of the ternary AgO0.5-FeO1.5-SiO2 system in equilibrium with metallic Ag. Journal of Alloys and Compounds, 2021, 870, 159333. | 5.5 | 3 |
| 70 | Experimental Study of the Cu2O-FeOx-CaO System in Equilibrium With Metallic Copper at 1200 Â°C to 1300 Â°C and at P(O2)s = 10â^'5 to 10â^'7 Atm. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 0, , 1. | 2.1 | 3 |
| 71 | Thermodynamic properties of melts of Mn-Sc(Y, Ln) systems. Russian Journal of Physical Chemistry A, 2012, 86, 1779-1784. | 0.6 | 2 |
| 72 | Mixing Enthalpies of Alâ€“Co Melts. Powder Metallurgy and Metal Ceramics, 2015, 54, 324-330. | 0.8 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Thermodynamic Properties of Binary Inâ€“Ni Alloys. Powder Metallurgy and Metal Ceramics, 2015, 54, 465-470. | 0.8 | 2 |
| 74 | Thermodynamic properties of alloys of the binary Inâ€“Yb system. Russian Journal of Physical Chemistry A, 2016, 90, 893-902. | 0.6 | 2 |
| 75 | The Thermodynamic Properties and Phase Equilibria in Ceâ€“Sn Alloys. Powder Metallurgy and Metal Ceramics, 2018, 57, 473-479. | 0.8 | 2 |
| 76 | Experimental phase equilibria studies in the â€œCuO0.5â€•CaO-SiO2 ternary system in equilibrium with metallic copper. Ceramics International, 2022, 48, 9927-9938. | 4.8 | 2 |
| 77 | Experimental study, thermodynamic calculations and industrial implications of slag/matte/metal equilibria in the Cuâ€“Pbâ€“Feâ€“Oâ€“Sâ€“Si system. Journal of Materials Research and Technology, 2022, , . | 5.8 | 2 |
| 78 | Thermodynamic properties of Eu-Sn melts. Russian Journal of Physical Chemistry A, 2011, 85, 2237-2240. | 0.6 | 1 |
| 79 | Thermodynamic Properties of Alâ€“Laâ€“Ni Melts. Powder Metallurgy and Metal Ceramics, 2017, 55, 603-611. | 0.8 | 1 |
| 80 | Thermodynamic Properties of Coâ€“Pr Alloys. Powder Metallurgy and Metal Ceramics, 2017, 56, 94-101. | 0.8 | 1 |
| 81 | Thermochemical Properties of Binary Baâ€“In Alloys. Powder Metallurgy and Metal Ceramics, 2018, 56, 556-566. | 0.8 | 1 |
| 82 | Thermodynamic Properties of Alloys of the Snâ€“Yb System. Russian Journal of Physical Chemistry A, 2018, 92, 630-639. | 0.6 | 1 |
| 83 | Experimental Liquidus Studies of the CaO-ZnO-Fe2O3 System in Air. Journal of Phase Equilibria and Diffusion, 2019, 40, 779-786. | 1.4 | 1 |
| 84 | Experimental phase equilibria study and thermodynamic modelling of the PbO-â€œFeOâ€•SiO2-ZnO, PbO-â€œFeOâ€•SiO2-Al2O3 and PbO-â€œFeOâ€•SiO2-MgO systems in equilibrium with metallic Pb and Fe. Ceramics International, 2022, , . | 4.8 | 1 |
| 85 | Integrated experimental and thermodynamic modeling study of phase equilibria in the â€˜CuO0.5â€™-MgO-SiO2 system in equilibrium with liquid Cu metal for characterizing refractory-slag interactions. Ceramics International, 2022, , . | 4.8 | 1 |
| 86 | Thermodynamic properties of the Al-Eu-Sn melts. Inorganic Materials, 2013, 49, 852-855. | 0.8 | 0 |
| 87 | Thermodynamic properties of Eu-Pt and Al-Eu-Pt melts. Inorganic Materials, 2014, 50, 320-323. | 0.8 | 0 |
| 88 | Thermodynamic Properties of Ceâ€“Inâ€“Ni Ternary Alloys. Powder Metallurgy and Metal Ceramics, 2016, 54, 704-711. | 0.8 | 0 |