Elena Yazhenskikh

List of Publications by Year
in descending order

30 papers	580 citations	623574 14 h-index	610775 24 g-index
30 all docs	30 docs citations	30 times ranked	412 citing authors

#	Article	IF	Citations
1	Comparison of Na2SO4, K2SO4 and Na2SO4-K2SO4 deposit induced hot corrosion of a Î²-NiAl coating. Corrosion Science, 2022, 198, 110146.	3.0	7
2	Experimental study and thermodynamic assessment of thermodynamic properties of pure Li2CO3 and K2CO3. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2022, 78, 102452.	0.7	4
3	Critical thermodynamic evaluation of the binary sub-systems of the core sulphate system Na2SO4â€“K2SO4â€“MgSO4â€“CaSO4. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 72, 102234.	0.7	8
4	Addition of V2O5 and V2O3 to the CaOâ€“FeOâ€“Fe2O3â€“MgOâ€“SiO2 database for vanadium distribution and viscosity calculations. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102284.	0.7	12
5	Experimental study coupled with thermodynamic assessment of the NiSO4â€“K2SO4 quasi binary system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102328.	0.7	3
6	Thermodynamic description of the ternary systems of the core sulphate system Na2SO4â€“K2SO4â€“MgSO4â€“CaSO4. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2021, 74, 102313.	0.7	2
7	Effect of operating conditions and feedstock composition on the properties of manganese oxide or quartz charcoal pellets for the use in ferroalloy industries. Energy, 2020, 193, 116736.	4.5	12
8	Role of Temperature in Na₂SO₄â€“K₂SO₄ Deposit Induced Type II Hot Corrosion of NiAl Coating on a Commercial Niâ€Based Superalloy. Advanced Engineering Materials, 2020, 22, 1901244.	1.6	6
9	Thermodynamic assessment of the CaOâ€“P2O5â€“SiO2â€“ZnO system with special emphasis on the addition of ZnO to the Ca2SiO4â€“Ca3P2O8 phase. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 67, 101668.	0.7	7
10	Slag mobility in entrained flow gasifiers optimized using a new reliable viscosity model of iron oxide-containing multicomponent melts. Applied Energy, 2019, 236, 837-849.	5.1	35
11	Characterization of woodstove briquettes from torrefied biomass and coal. Energy, 2019, 171, 853-865.	4.5	65
12	Viscosity model for oxide melts relevant to fuel slags. Part 3: The iron oxide containing low order systems in the system SiO2â€“Al2O3â€“CaOâ€“MgOâ€“Na2Oâ€“K2Oâ€“FeOâ€“Fe2O3. Fuel Processing Technology, 2018, 171, 339-349.	3.7	29
13	Addition of TiO2 and Ti2O3 to the Al2O3-FeO-Fe2O3-MgO system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2018, 62, 187-200.	0.7	17
14	Korrosionsverhalten keramischer Werkstoffe fÃ¼r die Wirbelschicht-Vergasung alkalireicher Brennstoffe. , 2018, , 779-794.		0
15	Korrosionsverhalten keramischer Filterkerzen. , 2018, , 795-811.		0
16	Thermophysical and chemical properties of bioliq slags. Fuel, 2017, 197, 596-604.	3.4	16
17	Evaluation of thermodynamic data and phase equilibria in the system Ca-Cr-Cu-Fe-Mg-Mn-S Part II: Ternary and quasi-ternary subsystems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2017, 56, 286-302.	0.7	9
18	Evaluation of thermodynamic data and phase equilibria in the system Caâ€“Crâ€“Cuâ€“Feâ€“Mgâ€“Mnâ€“S part I: Binary and quasi-binary subsystems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2017, 56, 270-285.	0.7	10

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19	Calciumâ€Iron Oxide as Energy Storage Medium in Rechargeable Oxide Batteries. Journal of the American Ceramic Society, 2016, 99, 4083-4092.	1.9	13
20	Viscosity model for oxide melts relevant to fuel slags. Part 2: The system SiO 2 â€"Al 2 O 3 â€"CaOâ€"MgOâ€"Na 2 Oâ€"K 2 O. Fuel Processing Technology, 2015, 138, 520-533.	3.7	31
21	Viscosity model for oxide melts relevant to fuel slags. Part 1: Pure oxides and binary systems in the system SiO2â€"Al2O3â€"CaOâ€"MgOâ€"Na2Oâ€"K2O. Fuel Processing Technology, 2015, 137, 93-103.	3.7	59
22	Critical thermodynamic evaluation of oxide systems relevant to fuel ashes and slags: Potassium oxideâ€"magnesium oxideâ€"silica. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 47, 35-49.	0.7	17
23	Corrosion of silicon carbide hot gas filter candles in gasification environment. Journal of the European Ceramic Society, 2014, 34, 575-588.	2.8	35
24	Corrosion of alumina and mullite hot gas filter candles in gasification environment. Journal of the European Ceramic Society, 2013, 33, 3301-3312.	2.8	21
25	Viscosity Model for Oxide Melts Relevant to Coal Ash Slags Based on the Associate Species Thermodynamic Model. Energy & Fuels, 2013, 27, 6469-6476.	2.5	17
26	Critical thermodynamic evaluation of oxide systems relevant to fuel ashes and slags, Part 5: Potassium oxideâ€"aluminaâ€"silica. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2011, 35, 6-19.	0.7	33
27	Critical thermodynamic evaluation of oxide systems relevant to fuel ashes and slags. Part 3: Silicaâ€"alumina system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 195-205.	0.7	19
28	Critical thermodynamic evaluation of oxide systems relevant to fuel ashes and slags, Part 4: Sodium oxideâ€"potassium oxideâ€"silica. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 506-513.	0.7	23
29	Critical thermodynamic evaluation of oxide systems relevant to fuel ashes and slags. Part 1: Alkali oxideâ€"silica systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2006, 30, 270-276.	0.7	42
30	Critical thermodynamic evaluation of oxide systems relevant to fuel ashes and slags Part 2: Alkali oxideâ€"alumina systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2006, 30, 397-404.	0.7	28