K T Jacob

List of Publications by Year in descending order

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134	2,608	218677	254184
papers	citations	26 h-index	43 g-index

143	143	143	1774
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamics of CuAlO2 and CuAl2O4 and Phase Equilibria in the System Cu2O-CuO-Al2O3. Journal of the American Ceramic Society, 1975, 58, 192-195.	3.8	234
2	A Solidâ€State Probe for â€‰SOâ€‰2â€‰/â€‰â€‰SOâ€‰3 Based on Na2â€‰SOâ€‰4â€‰â€â€‰â€‰Iâ€‰ Electrolyte. Journ 1979, 126, 1842-1847.	2.9	95
3	Mass-Spectrometric and Electrochemical Studies of Thermodynamic Properties of Liquid and Solid Phases in the System CaO-Al2O3. Journal of the American Ceramic Society, 1981, 64, 307-314.	3.8	87
4	On the evaluation of stability of rare earth oxides as face coats for investment casting of titanium. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1990, 21, 559-566.	0.4	87
5	Thermodynamic Properties of Niobium Oxides. Journal of Chemical & Engineering Data, 2010, 55, 4854-4863.	1.9	84
6	The oxygen potential of the systems Fe+FeCr2O4+Cr2O3 and Fe+FeV2O4+V2O3 in the temperature range 750â€“1600Â°C. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1975, 6, 215-221.	0.4	75
7	Thermodynamic Data for Mn3O4, Mn2O3 and MnO2. High Temperature Materials and Processes, 2011, 30, .	1.4	55
8	Activities in the spinel solid solution, phase equilibria and thermodynamic properties of ternary phases in the system Cu-Fe-0. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1977, 8, 451-460.	0.4	53
9	Phase relations in the Fe-Ni-Cr-S system and the sulfidation of an austenitic stainless steel. Oxidation of Metals, 1979, 13, 25-55.	2.1	51
10	Oxygen potentials, Gibbs' energies and phase relations in the Cu-Cr-O system. Journal of Materials Science, 1986, 21, 2753-2758.	3.7	49
11	Thermodynamics of Cobalt (II, III) Oxide (Co₃O₄): Evidence of Phase Transition. Transactions of the Japan Institute of Metals, 1988, 29, 125-132.	0.5	48
12	Electrochemical Determination of Activities in Cr2â€‰Oâ€‰3â€‰â€â€‰Al2â€‰Oâ€‰3 Solid Solution. Journal of the Electrochemical Society, 1978, 125, 175-179.	2.9	46
13	Gibbs energies of formation of cuprous and cupric yttrates (CuYO2 and Cu2Y2O5) and phase relations in the system copper-yttrium-oxygen. Chemistry of Materials, 1989, 1, 515-519.	6.7	45
14	Potentiometric Determination of the Gibbs Free Energy of Formation of Cadmium and Magnesium Chromites. Journal of the Electrochemical Society, 1977, 124, 1827-1831.	2.9	44
15	Use of the Nasicon/Na2SO4 couple in a solid state sensor for SO x (x=2,3). Journal of Applied Electrochemistry, 1988, 18, 245-251.	2.9	44
16	Gibbs energies of formation of rare earth oxysulfides. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1987, 18, 163-168.	0.4	42
17	Thermodynamic Properties of Fe3O4-FeV2O4 and Fe3O4-FeCr2O4 Spinel Solid Solutions. Journal of the American Ceramic Society, 1982, 65, 117-123.	3.8	41
18	Refinement of thermodynamic data for LaMnO3. Journal of Materials Chemistry, 2003, 13, 934-942.	6.7	40

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19	Revision of Thermodynamic Data on MnOâ€“Al₂O₃Melts. Canadian Metallurgical Quarterly, 1981, 20, 89-92.	1.2	38
20	Some Studies on a Solidâ€State Sulfur Probe for Coal Gasification Systems. Journal of the Electrochemical Society, 1978, 125, 758-762.	2.9	37
21	Phase relationships in the system Ni-W-O and thermodynamic properties of NiWO4. Journal of Materials Science, 1977, 12, 1647-1652.	3.7	36
22	Nanocrystalline MgAl ₂ O ₄ : Measurement of Thermodynamic Properties Using a Solid State Cell. Advanced Materials, 2000, 12, 440-444.	21.0	35
23	Chemical potential of oxygen for iron-rutile-ilmenite and iron-ilmenite-ulvospinel equilibria. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1992, 23, 57-64.	0.4	31
24	Thermodynamic consistency of the interaction parameter formalism. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1988, 19, 269-275.	0.4	30
25	Phase relations and gibbs energies in the system Mn-Rh-O. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1994, 25, 1347-1357.	2.2	30
26	Evaluation of the reactivity of titanium with mould materials during casting. Bulletin of Materials Science, 1989, 12, 481-493.	1.7	28
27	Phase relationships in the system Cr-W-O and thermodynamic properties of CrWO4 and Cr2WO6. Journal of Materials Science, 1980, 15, 2167-2174.	3.7	27
28	Phase relations and thermodynamic properties of condensed phases in the system calcium-copper-oxygen. Chemistry of Materials, 1993, 5, 1669-1675.	6.7	25
29	Potentiometric determination of the gibbs energies of formation of SrZrO3 and BaZrO3. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1995, 26, 775-781.	2.1	25
30	Gibbs Energy of Formation of MnO: Measurement and Assessment. Journal of Phase Equilibria and Diffusion, 2008, 29, 222-230.	1.4	25
31	Thermodynamic mixing properties and solid-state immiscibility in the systems Pd-Rh and Pd-Rh-O. Journal of Phase Equilibria and Diffusion, 1998, 19, 340-350.	0.3	24
32	Refinement of thermodynamic data on GaN. Journal of Materials Research, 2007, 22, 3475-3483.	2.6	24
33	Measurement of Gibbs energies of formation of CoF2 and MnF2 using a new composite dispersed solid electrolyte. Bulletin of Materials Science, 1987, 9, 37-46.	1.7	22
34	Gibbs Energy of Formation of Lead Zirconate. Journal of the American Ceramic Society, 1981, 64, 573-578.	3.8	21
35	Solubility and activity of oxygen in liquid manganese. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1981, 12, 675-678.	0.4	21
36	Activities, Concentration Fluctuations and Complexing in Liquid Ca–Al Alloys. Transactions of the Japan Institute of Metals, 1988, 29, 50-59.	0.5	20

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37	Thermodynamic partial properties of Na2O in Nasicon solid solution, Na1+xZr2SixP3â‾'xO12. Journal of Materials Research, 1989, 4, 417-422.	2.6	20
38	Thermodynamic stability of metallurgical coke relative to graphite. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1994, 25, 149-151.	2.1	20
39	Standard Gibbs' energies of formation of BaCuO2, Y2Cu2O5 and Y2BaCuO5. Journal of Materials Science, 1991, 26, 3374-3379.	3.7	19
40	Thermodynamic properties and phase equilibria for Pt-Rh alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 1545-1550.	2.2	19
41	Activity of manganese in liquid Ni-Mn alloys. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1982, 13, 283-285.	0.4	18
42	Decomposition of ?-alumina in an oxygen potential gradient. Journal of Applied Electrochemistry, 1983, 13, 469-472.	2.9	18
43	Alloy-oxide equilibria in the system Pt-Rh-O. Bulletin of Materials Science, 1998, 21, 99-103.	1.7	18
44	System Biâ€“Srâ€“O: Synergistic measurements of thermodynamic properties using oxide and fluoride solid electrolytes. Journal of Materials Research, 1998, 13, 1905-1918.	2.6	18
45	Solubility and activity of oxygen in liquid germanium and germanium-copper alloys. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1977, 8, 669-674.	0.4	17
46	Ion-exchange equilibria between (Mn, Co)O solid solution and (Mn, Co) Cr2O4 and (Mn, Co) Al2O4 spinel solid solutions at 1100ï¿½ C. Journal of Materials Science, 1977, 12, 481-488.	3.7	17
47	Solubility and activity of oxygen in liquid nickel in equilibrium with Î±-Al2O3 and NiO Â· (1 + x)Al2O3. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1986, 17, 763-770.	0.4	17
48	Kinetic decomposition of Ni2SiO4 in oxygen potential gradients. Journal of Materials Research, 1987, 2, 338-344.	2.6	17
49	A derivation of thermodynamic quantities of liquid alloys from their structure factors. Journal of Physics F: Metal Physics, 1980, 10, L109-L113.	1.6	16
50	Gibbs energies of formation of intermetallic phases in the systems Pt-Mg, Pt-Ca, and Pt-Ba and some applications. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1990, 21, 521-527.	0.4	16
51	Thermodynamics of aluminum-barium alloys. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1991, 22, 607-616.	0.4	16
52	Phase relations in the system Cu-Gd-O. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1993, 24, 1655-1660.	1.4	16
53	Theoretical Analysis of the Electromotive Force of a Cell Incorporating a Composition Gradient Solid Electrolyte. Journal of the Electrochemical Society, 1995, 142, 161-165.	2.9	16
54	Phase equilibria in the system CaO-CoO-SiO₂and Gibbs energies of formation of the quaternary oxides CaCoSi₂O₆, Ca₂CoSi₂O₇, and CaCoSiO₄. American Mineralogist, 1996, 81, 963-972.	1.9	16

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55	System Cu-Rh-O: Phase diagram and thermodynamic properties of ternary oxides CuRhO2 and CuRh2O4. Bulletin of Materials Science, 1999, 22, 741-749.	1.7	16
56	Solid-state miscibility gap and thermodynamics of the system BaOâ€“SrO. Journal of Materials Chemistry, 1995, 5, 1059-1062.	6.7	15
57	System Nd-Pd-O: Phase diagram and thermodynamic properties of oxides using a solid-state cell with advanced features. Journal of Phase Equilibria and Diffusion, 1999, 20, 553-564.	0.3	15
58	Gibbs Energy of Formation of Ca3Ti8Al12O37 and Phase Relations and Chemical Potentials in the System Al2O3-TiO2-CaO. Journal of Phase Equilibria and Diffusion, 2012, 33, 293-302.	1.4	15
59	Stability field diagrams for Lnâ€“Oâ€“Cl systems. Bulletin of Materials Science, 2016, 39, 603-611.	1.7	15
60	Gibbs Energy of Formation of Lead Titanate. Canadian Metallurgical Quarterly, 1982, 21, 171-177.	1.2	14
61	Chemical potentials of oxygen for fayalite-quartz-Iron and fayalite-quartz-magnetite equilibria. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1989, 20, 679-685.	0.4	14
62	Electrochemical Determination of Gibbs Energies of Formation of Calcium Chromite and Chromate. Journal of the Electrochemical Society, 1992, 139, 517-520.	2.9	14
63	Revision of Thermodynamic Data on MnOâ€“Al₂O₃ Melts. Canadian Metallurgical Quarterly, 1981, 20, 89-92.	1.2	14
64	Equilibrium oxygen potential for the decomposition of YBa2Cu4O8. Applied Physics Letters, 1990, 57, 511-513.	3.3	13
65	Activities and immiscibility in the system Cu-Rh. Journal of Phase Equilibria and Diffusion, 2000, 21, 342-349.	0.3	13
66	Phase relations in the system Sr-Cr-O and thermodynamic properties of SrCrO4 and Sr3Cr2O8. Journal of Phase Equilibria and Diffusion, 2000, 21, 46-53.	0.3	13
67	Standard free energies of formation of rare earth sesquisulphides. Journal of Materials Science, 1987, 22, 2087-2093.	3.7	12
68	Thermodynamic Properties of Platinum-rich Intermetallics in the Pt–Gd System. Materials Transactions, JIM, 1990, 31, 135-140.	0.9	12
69	Gradient solid electrolytes for thermodynamic measurements: System Na2CO3-Na2SO4. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1994, 25, 173-181.	2.2	12
70	Controversy on the free energy of formation of CaOâ€”Additional evidence in support of thermochemical data. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1996, 27, 647-651.	2.1	12
71	Thermodynamics and phase equilibria involving the spinel solid solution Fe X Mg1â^'X Cr2O4. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1999, 30, 865-871.	2.1	12
72	Vapour Pressure of Liquid Metals and Alloys. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1978, 33, 940-945.	1.5	11

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73	Measurement of Gibbs energy of formation of Ca2 PbO4 using a solid-state cell with three electrodes. Journal of Materials Chemistry, 1997, 7, 2407-2413.	6.7	11
74	Thermodynamic properties of SmFeO3(s) and Sm3Fe5O12(s). Journal of Phase Equilibria and Diffusion, 2003, 24, 431-440.	0.3	11
75	Corrosion of 310 stainless steel in H2- H2O- H2S gas mixtures: Studies at constant temperature and fixed oxygen potential. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1983, 14, 295-305.	1.4	10
76	Thermodynamic properties of Pt5La, Pt5Ce, Pt5Pr, Pt5Tb and Pt5 Tm intermetallics. Bulletin of Materials Science, 1990, 13, 235-244.	1.7	10
77	The mobility of oxygen ions in CaF2. Journal of Applied Electrochemistry, 1990, 20, 294-300.	2.9	10
78	Activities in the spinel solid solution Fe X Mg1â^'X Al2O4. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1998, 29, 1241-1248.	2.1	10
79	Oxidation of alkaline earth sulfides to sulfates: Thermodynamic aspects. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1982, 13, 387-390.	0.4	9
80	Thermodynamic study of Fe2O3-Fe2(SO4)3 equilibrium using an oxyanionic electrolyte (Na2SO4-I). Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1986, 17, 323-329.	0.4	9
81	Volume effects and associations in liquid alloys. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1988, 19, 465-470.	0.4	9
82	Thermodynamic Study of Mixed Anionic Solid Solutions Using Gradient Solid Electrolytes: System. Journal of the Electrochemical Society, 1993, 140, 2629-2635.	2.9	9
83	Phase Relations in the Systems SrO-Y2O3-CuO-O2 and CaO-Y2O3-CuO-O2 at 1173 K. Journal of Phase Equilibria and Diffusion, 1994, 15, 401-405.	0.3	9
84	The CaO-SrO-CuO-O2 system: Phase equilibria and thermodynamic properties at 1123 K. Journal of Phase Equilibria and Diffusion, 1995, 16, 113-120.	0.3	9
85	Tie lines and activities in the system NiO-MgO-SiO2 at 1373 K. Journal of Phase Equilibria and Diffusion, 1995, 16, 243-253.	0.3	9
86	Combined Use of Oxide and Fluoride Solid Electrolytes for the Measurement of Gibbs Energy of Formation of Ternary Oxides: System Bi–Ca–O. Materials Transactions, JIM, 1997, 38, 427-436.	0.9	9
87	A New Type of SOFC for Conversion of High Temperature Heat to Electricity without Carnot Limitation. ECS Transactions, 2011, 35, 573-582.	0.5	9
88	Phase relations and activities in the Co-Ni-O system at 1373 K. Bulletin of Materials Science, 1986, 8, 71-79.	1.7	8
89	Concept of thermodynamic capacity. Bulletin of Materials Science, 1986, 8, 453-465.	1.7	8
90	Tie Lines and Activities in the System CoOMgOSiO2 at 1373 K. Journal of the American Ceramic Society, 1992, 75, 3081-3086.	3.8	8

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91	Thermodynamics of oxide-sulfate melts: The system PbO-PbSO4. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1978, 9, 301-306.	0.4	7
92	Spinel-corundum equilibria and activities in the system MgO-Al2O3-Cr2O3 at 1473 K. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2000, 31, 1323-1332.	2.1	7
93	System Srâ^'Pbâ^'O:Â Phase Equilibria and Thermodynamics Using Solid-State Cells with Buffer Electrodes. Chemistry of Materials, 2000, 12, 1779-1786.	6.7	7
94	Stability of chromium (III) sulfate in atmospheres containing oxygen and sulfur. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1979, 10, 327-331.	1.4	6
95	Measurement and modeling of Alloy-Spinel-Corundum equilibrium in the Ni-Mn-Al-0 system at 1873 K. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1988, 19, 459-463.	0.4	6
96	Use of metastable equilibria for determination of Gibbs energy of solids. Journal of Materials Research, 1988, 3, 687-693.	2.6	6
97	Theoretical treatment of vapour pressures for liquid metals. Journal of Materials Science Letters, 1989, 8, 857-861.	0.5	6
98	Phase equilibria in the system NiO-CaO-SiO2 and gibbs energy of formation of CaNiSi2O6. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1995, 26, 2311-2315.	2.2	6
99	Internal displacement reactions in multicomponent oxides: Part II. Oxide solid solutions of wide composition range. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 2695-2703.	2.2	6
100	Prediction of activities of oxygen in dilute quaternary solutions using binary data. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1972, 3, 1913-1918.	2.1	5
101	Electrochemical Determination of the Stability of Mono- and Dicalcium Stannates. Journal of the Electrochemical Society, 1974, 121, 534.	2.9	5
102	A critique of the Gschneidner correlation between stability and normalized unit cell volume of lanthanide intermetallics. Bulletin of Alloy Phase Diagrams, 1990, 11, 523-525.	0.2	5
103	Decomposition temperatures of Cu2Ln2O5 (Ln = Tb, Dy, Ho, Er, Tm, Yb, and Lu) compounds. Journal of Materials Research, 1993, 8, 3015-3018.	2.6	5
104	Discussion of â€œuse of solid electrolyte galvanic cells to determine the activity of CaO in the CaO-ZrO2 system and standard gibbs free energies of formation of CaZrO3 from CaO and ZrO2â€• Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1997, 28, 723-725.	2.1	5
105	Phase relations in the system Cu-La-O and thermodynamic properties of CuLaO2 and CuLa2O4. Journal of Materials Science, 2002, 37, 1611-1620.	3.7	5
106	Interaction between Ni/NiO and PbTiO3: Phase reversal with redox switching. Journal of Phase Equilibria and Diffusion, 2006, 27, 456-461.	1.4	5
107	Activities in the FeTiO3-NiTiO3 Solid Solution from Alloy-Oxide Equilibria at 1273ÂK. Journal of Phase Equilibria and Diffusion, 2009, 30, 127-135.	1.4	5
108	System Ho-Rh-O: Phase Equilibria, Chemical Potentials and Gibbs Energy of Formation of HoRhO3. Journal of Phase Equilibria and Diffusion, 2012, 33, 429-436.	1.4	5

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109	Thermodynamic properties of SrAl12O19 and SrAl4O7. Journal of Materials Science, 2018, 53, 1723-1730.	3.7	5
110	A comparison of the structure of liquid alloys derived from thermodynamic and diffraction studies. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1979, 10, 453-455.	0.4	4
111	Sulphur potential measurements with a two-phase sulphideoxide electrolyte. Journal of Applied Electrochemistry, 1983, 13, 55-67.	2.9	4
112	Compatibility of RuO2 electrodes with PZT ceramics. Bulletin of Materials Science, 2009, 32, 313-319.	1.7	4
113	Phase Equilibria in the System Al2O3-CaO-CoO and Gibbs Energy of Formation of Ca3CoAl4O10. Journal of Phase Equilibria and Diffusion, 2009, 30, 2-11.	1.4	4
114	Phase equilibria in the system Smâ€“Rhâ€“O and thermodynamic and thermal studies on SmRhO3. Journal of Materials Science, 2014, 49, 3135-3145.	3.7	4
115	Thermodynamic Properties of YbRhO3 and Phase Relations in the System Yb-Rh-O. Journal of Phase Equilibria and Diffusion, 2016, 37, 503-509.	1.4	4
116	Extension of Darken's quadratic formalism to dilute multicomponent solutions.. ISIJ International, 1989, 29, 171-174.	1.4	4
117	High temperature phase chemistry of system Eu-Pd-O. Materials Science and Technology, 2002, 18, 1063-1071.	1.6	3
118	Use of Composition-Graded Bi-Electrolyte Cells for Thermodynamic Studies on Lanthanum Aluminates. Journal of the Electrochemical Society, 2014, 161, H343-H349.	2.9	3
119	System Pr â€“Pdâ€“O: Phase Diagram and Thermodynamic Properties of Ternary Oxides Using Solid-State Cells with Special Features. International Journal of Materials Research, 2022, 92, 731-739.	0.3	3
120	Heat of Mixing and Activities in Liquid Al-Sn Alloys. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1979, 34, 320-324.	1.5	2
121	Gibbsâ€™ energy of formation of YBa2Cu3O7-x (tetragonal). Bulletin of Materials Science, 1991, 14, 983-987.	1.7	2
122	New galvanic cell designs for minimizing electrode polarization. Bulletin of Materials Science, 1994, 17, 1155-1166.	1.7	2
123	Thermodynamic assessment of phase relations in the system PbOâ€“RuO2â€“TiO2. Journal of Materials Science, 2007, 42, 2521-2523.	3.7	2
124	A cubic formalism for linking dilute and concentrated regions of ternary and multicomponent solutions. Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy, 2012, 121, 48-54.	0.6	2
125	Assessment of MgZr4P6O24as a Solid Electrolyte for Sensing Mg in Molten Non-Ferrous Alloys. Journal of the Electrochemical Society, 2020, 167, 027532.	2.9	2
126	Experimental and Computational Characterization of Alloyâ€“Spinelâ€“Corundum Equilibrium in the System Niâ€“Coâ€“Alâ€“O at 1873 K. Canadian Metallurgical Quarterly, 1990, 29, 21-26.	1.2	1

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127	Variation of the partial thermodynamic properties of oxygen with composition in YBa2Cu3O7â˜Î´. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 3325-3335.	1.4	1
128	Gibbs free energy of Ca3Si2O7â€"a reassessment of electromotive force measurements. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1995, 26, 658-660.	2.1	1
129	Tie-lines and mixing properties of solid solutions in the system CaO-SrO-PbO-O at 1100 K. Journal of Phase Equilibria and Diffusion, 2000, 21, 350-356.	0.3	1
130	Equilibria involving the reciprocal spinel solid solution (Mg x Fe1â˜'x) (Al y Cr1â˜'y)2O4: modeling and experiment. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2000, 31, 1247-1259.	2.1	1
131	Conversion of Rare-Earth Oxides to Halides: How to Prevent Formation of Oxyhalides?. Journal of Sustainable Metallurgy, 2017, 3, 793-796.	2.3	1
132	Variation of the partial thermodynamic. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 3325-3335.	1.4	0
133	Solubility and activity of oxygen in liquid bismuth. Canadian Metallurgical Quarterly, 2016, 55, 202-209.	1.2	0
134	Discussion of â€œDetermination of Activities of Niobium in Cu-Nb Melts Containing Dilute Nbâ€• Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 834-835.	2.1	0