

K T Jacob

List of Publications by Year in descending order

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134
papers

2,608
citations

218677

26
h-index

254184

43
g-index

143
all docs

143
docs citations

143
times ranked

1774
citing authors

#	ARTICLE	IF	CITATIONS
1	System Pr-Pd-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
2	Assessment of MgZr ₄ P ₆ O ₂₄ as a Solid Electrolyte for Sensing Mg in Molten Non-Ferrous Alloys. Journal of the Electrochemical Society, 2020, 167, 027532.	2.9	2
3	Thermodynamic properties of SrAl ₁₂ O ₁₉ and SrAl ₄ O ₇ . Journal of Materials Science, 2018, 53, 1723-1730.	3.7	5
4	Conversion of Rare-Earth Oxides to Halides: How to Prevent Formation of Oxyhalides?. Journal of Sustainable Metallurgy, 2017, 3, 793-796.	2.3	1
5	Stability field diagrams for Ln-O-Cl systems. Bulletin of Materials Science, 2016, 39, 603-611.	1.7	15
6	Solubility and activity of oxygen in liquid bismuth. Canadian Metallurgical Quarterly, 2016, 55, 202-209.	1.2	0
7	Thermodynamic Properties of YbRhO ₃ and Phase Relations in the System Yb-Rh-O. Journal of Phase Equilibria and Diffusion, 2016, 37, 503-509.	1.4	4
8	Discussion of Determination of Activities of Niobium in Cu-Nb Melts Containing Dilute Nb. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 834-835.	2.1	0
9	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
10	Phase equilibria in the system Sm-Rh-O and thermodynamic and thermal studies on SmRhO ₃ . Journal of Materials Science, 2014, 49, 3135-3145.	3.7	4
11	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
12	Gibbs Energy of Formation of Ca ₃ Ti ₈ Al ₁₂ O ₃₇ and Phase Relations and Chemical Potentials in the System Al ₂ O ₃ -TiO ₂ -CaO. Journal of Phase Equilibria and Diffusion, 2012, 33, 293-302.	1.4	15
13	System Ho-Rh-O: Phase Equilibria, Chemical Potentials and Gibbs Energy of Formation of HoRhO ₃ . Journal of Phase Equilibria and Diffusion, 2012, 33, 429-436.	1.4	5
14	Thermodynamic Data for Mn ₃ O ₄ , Mn ₂ O ₃ and MnO ₂ . High Temperature Materials and Processes, 2011, 30, .	1.4	55
15	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
16	Thermodynamic Properties of Niobium Oxides. Journal of Chemical & Engineering Data, 2010, 55, 4854-4863.	1.9	84
17	Compatibility of RuO ₂ electrodes with PZT ceramics. Bulletin of Materials Science, 2009, 32, 313-319.	1.7	4
18	Phase Equilibria in the System Al ₂ O ₃ -CaO-CoO and Gibbs Energy of Formation of Ca ₃ CoAl ₄ O ₁₀ . Journal of Phase Equilibria and Diffusion, 2009, 30, 2-11.	1.4	4

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19	Activities in the FeTiO ₃ -NiTiO ₃ Solid Solution from Alloy-Oxide Equilibria at 1273 K. Journal of Phase Equilibria and Diffusion, 2009, 30, 127-135.	1.4	5
20	Gibbs Energy of Formation of MnO: Measurement and Assessment. Journal of Phase Equilibria and Diffusion, 2008, 29, 222-230.	1.4	25
21	Refinement of thermodynamic data on GaN. Journal of Materials Research, 2007, 22, 3475-3483.	2.6	24
22	Thermodynamic assessment of phase relations in the system PbO-RuO ₂ -TiO ₂ . Journal of Materials Science, 2007, 42, 2521-2523.	3.7	2
23	Interaction between Ni/NiO and PbTiO ₃ : Phase reversal with redox switching. Journal of Phase Equilibria and Diffusion, 2006, 27, 456-461.	1.4	5
24	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
25	Thermodynamic properties of SmFeO ₃ (s) and Sm ₃ Fe ₅ O ₁₂ (s). Journal of Phase Equilibria and Diffusion, 2003, 24, 431-440.	0.3	11
26	Refinement of thermodynamic data for LaMnO ₃ . Journal of Materials Chemistry, 2003, 13, 934-942.	6.7	40
27	High temperature phase chemistry of system Eu-Pd-O. Materials Science and Technology, 2002, 18, 1063-1071.	1.6	3
28	Phase relations in the system Cu-La-O and thermodynamic properties of CuLaO ₂ and CuLa ₂ O ₄ . Journal of Materials Science, 2002, 37, 1611-1620.	3.7	5
29	Nanocrystalline MgAl ₂ O ₄ : Measurement of Thermodynamic Properties Using a Solid State Cell. Advanced Materials, 2000, 12, 440-444.	21.0	35
30	Activities and immiscibility in the system Cu-Rh. Journal of Phase Equilibria and Diffusion, 2000, 21, 342-349.	0.3	13
31	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
32	Phase relations in the system Sr-Cr-O and thermodynamic properties of SrCrO ₄ and Sr ₃ Cr ₂ O ₈ . Journal of Phase Equilibria and Diffusion, 2000, 21, 46-53.	0.3	13
33	Equilibria involving the reciprocal spinel solid solution (Mg _x Fe _{1-x})(Al _y Cr _{1-y}) ₂ O ₄ : modeling and experiment. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2000, 31, 1247-1259.	2.1	1
34	Spinel-corundum equilibria and activities in the system MgO-Al ₂ O ₃ -Cr ₂ O ₃ at 1473 K. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2000, 31, 1323-1332.	2.1	7
35	System Sr ²⁺ Pb ²⁺ O: Phase Equilibria and Thermodynamics Using Solid-State Cells with Buffer Electrodes. Chemistry of Materials, 2000, 12, 1779-1786.	6.7	7
36	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

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37	System Cu-Rh-O: Phase diagram and thermodynamic properties of ternary oxides CuRhO ₂ and CuRh ₂ O ₄ . Bulletin of Materials Science, 1999, 22, 741-749.	1.7	16
38	Thermodynamics and phase equilibria involving the spinel solid solution Fe _x Mg _{1-x} Cr ₂ O ₄ . Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1999, 30, 865-871.	2.1	12
39	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
40	Alloy-oxide equilibria in the system Pt-Rh-O. Bulletin of Materials Science, 1998, 21, 99-103.	1.7	18
41	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
42	Activities in the spinel solid solution Fe _x Mg _{1-x} Al ₂ O ₄ . Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1998, 29, 1241-1248.	2.1	10
43	System Bi ²⁺ -Sr ²⁺ -O: Synergistic measurements of thermodynamic properties using oxide and fluoride solid electrolytes. Journal of Materials Research, 1998, 13, 1905-1918.	2.6	18
44	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
45	Measurement of Gibbs energy of formation of Ca ₂ PbO ₄ using a solid-state cell with three electrodes. Journal of Materials Chemistry, 1997, 7, 2407-2413.	6.7	11
46	Discussion of use of solid electrolyte galvanic cells to determine the activity of CaO in the CaO-ZrO ₂ system and standard gibbs free energies of formation of CaZrO ₃ from CaO and ZrO ₂ . Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1997, 28, 723-725.	2.1	5
47	Phase equilibria in the system CaO-CoO-SiO ₂ and Gibbs energies of formation of the quaternary oxides Ca ₂ CoSi ₂ O ₆ , Ca ₂ CoSi ₂ O ₇ , and CaCoSi ₄ . American Mineralogist, 1996, 81, 963-972.	1.9	16
48	Controversy on the free energy of formation of CaO—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
49	Potentiometric determination of the gibbs energies of formation of SrZrO ₃ and BaZrO ₃ . Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1995, 26, 775-781.	2.1	25
50	Gibbs free energy of Ca ₃ Si ₂ O ₇ —a reassessment of electromotive force measurements. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1995, 26, 658-660.	2.1	1
51	The CaO-SrO-CuO-O ₂ system: Phase equilibria and thermodynamic properties at 1123 K. Journal of Phase Equilibria and Diffusion, 1995, 16, 113-120.	0.3	9
52	Tie lines and activities in the system NiO-MgO-SiO ₂ at 1373 K. Journal of Phase Equilibria and Diffusion, 1995, 16, 243-253.	0.3	9
53	Phase equilibria in the system NiO-CaO-SiO ₂ and gibbs energy of formation of CaNiSi ₂ O ₆ . Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1995, 26, 2311-2315.	2.2	6
54	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

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55	Solid-state miscibility gap and thermodynamics of the system BaO-SrO. Journal of Materials Chemistry, 1995, 5, 1059-1062.	6.7	15
56	New galvanic cell designs for minimizing electrode polarization. Bulletin of Materials Science, 1994, 17, 1155-1166.	1.7	2
57	Gradient solid electrolytes for thermodynamic measurements: System Na ₂ CO ₃ -Na ₂ SO ₄ . Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1994, 25, 173-181.	2.2	12
58	Phase Relations in the Systems SrO-Y ₂ O ₃ -CuO-O ₂ and CaO-Y ₂ O ₃ -CuO-O ₂ at 1173 K. Journal of Phase Equilibria and Diffusion, 1994, 15, 401-405.	0.3	9
59	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
60	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
61	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
62	Phase relations and thermodynamic properties of condensed phases in the system calcium-copper-oxygen. Chemistry of Materials, 1993, 5, 1669-1675.	6.7	25
63	Decomposition temperatures of Cu ₂ Ln ₂ O ₅ (Ln = Tb, Dy, Ho, Er, Tm, Yb, and Lu) compounds. Journal of Materials Research, 1993, 8, 3015-3018.	2.6	5
64	Thermodynamic Study of Mixed Anionic Solid Solutions Using Gradient Solid Electrolytes: System. Journal of the Electrochemical Society, 1993, 140, 2629-2635.	2.9	9
65	Electrochemical Determination of Gibbs Energies of Formation of Calcium Chromite and Chromate. Journal of the Electrochemical Society, 1992, 139, 517-520.	2.9	14
66	Tie Lines and Activities in the System CoOMgOSiO ₂ at 1373 K. Journal of the American Ceramic Society, 1992, 75, 3081-3086.	3.8	8
67	Variation of the partial thermodynamic. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 3325-3335.	1.4	0
68	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
69	Variation of the partial thermodynamic properties of oxygen with composition in YBa ₂ Cu ₃ O _{7-x} . Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 3325-3335.	1.4	1
70	Thermodynamics of aluminum-barium alloys. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1991, 22, 607-616.	0.4	16
71	Gibbs energy of formation of YBa ₂ Cu ₃ O _{7-x} (tetragonal). Bulletin of Materials Science, 1991, 14, 983-987.	1.7	2
72	Standard Gibbs' energies of formation of BaCuO ₂ , Y ₂ Cu ₂ O ₅ and Y ₂ BaCuO ₅ . Journal of Materials Science, 1991, 26, 3374-3379.	3.7	19

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73	Thermodynamic Properties of Platinum-rich Intermetallics in the Pt–Gd System. Materials Transactions, JIM, 1990, 31, 135-140.	0.9	12
74	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
75	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
76	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
77	Thermodynamic properties of Pt ₅ La, Pt ₅ Ce, Pt ₅ Pr, Pt ₅ Tb and Pt ₅ Tm intermetallics. Bulletin of Materials Science, 1990, 13, 235-244.	1.7	10
78	The mobility of oxygen ions in CaF ₂ . Journal of Applied Electrochemistry, 1990, 20, 294-300.	2.9	10
79	Equilibrium oxygen potential for the decomposition of YBa ₂ Cu ₄ O ₈ . Applied Physics Letters, 1990, 57, 511-513.	3.3	13
80	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
81	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
82	Evaluation of the reactivity of titanium with mould materials during casting. Bulletin of Materials Science, 1989, 12, 481-493.	1.7	28
83	Theoretical treatment of vapour pressures for liquid metals. Journal of Materials Science Letters, 1989, 8, 857-861.	0.5	6
84	Gibbs energies of formation of cuprous and cupric yttrates (CuYO ₂ and Cu ₂ Y ₂ O ₅) and phase relations in the system copper-yttrium-oxygen. Chemistry of Materials, 1989, 1, 515-519.	6.7	45
85	Thermodynamic partial properties of Na ₂ O in Nasicon solid solution, Na _{1+x} Zr ₂ SixP ₃ âˆ™xO ₁₂ . Journal of Materials Research, 1989, 4, 417-422.	2.6	20
86	Extension of Darken's quadratic formalism to dilute multicomponent solutions.. ISIJ International, 1989, 29, 171-174.	1.4	4
87	Use of the Nasicon/Na ₂ SO ₄ couple in a solid state sensor for SO _x (x=2,3). Journal of Applied Electrochemistry, 1988, 18, 245-251.	2.9	44
88	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
89	Measurement and modeling of Alloy-Spinel-Corundum equilibrium in the Ni-Mn-Al-O system at 1873 K. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1988, 19, 459-463.	0.4	6
90	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

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91	Use of metastable equilibria for determination of Gibbs energy of solids. Journal of Materials Research, 1988, 3, 687-693.	2.6	6
92	Thermodynamics of Cobalt (II, III) Oxide (Co ₃ O ₄): Evidence of Phase Transition. Transactions of the Japan Institute of Metals, 1988, 29, 125-132.	0.5	48
93	Activities, Concentration Fluctuations and Complexing in Liquid Ca–Al Alloys. Transactions of the Japan Institute of Metals, 1988, 29, 50-59.	0.5	20
94	Kinetic decomposition of Ni ₂ SiO ₄ in oxygen potential gradients. Journal of Materials Research, 1987, 2, 338-344.	2.6	17
95	Standard free energies of formation of rare earth sesquisulphides. Journal of Materials Science, 1987, 22, 2087-2093.	3.7	12
96	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
97	Measurement of Gibbs energies of formation of CoF ₂ and MnF ₂ using a new composite dispersed solid electrolyte. Bulletin of Materials Science, 1987, 9, 37-46.	1.7	22
98	Oxygen potentials, Gibbs' energies and phase relations in the Cu-Cr-O system. Journal of Materials Science, 1986, 21, 2753-2758.	3.7	49
99	Thermodynamic study of Fe ₂ O ₃ -Fe ₂ (SO ₄) ₃ equilibrium using an oxyanionic electrolyte (Na ₂ SO ₄ -I). Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1986, 17, 323-329.	0.4	9
100	Solubility and activity of oxygen in liquid nickel in equilibrium with $\frac{1}{2}$ -Al ₂ O ₃ and NiO · (1 + x)Al ₂ O ₃ . Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1986, 17, 763-770.	0.4	17
101	Phase relations and activities in the Co-Ni-O system at 1373 K. Bulletin of Materials Science, 1986, 8, 71-79.	1.7	8
102	Concept of thermodynamic capacity. Bulletin of Materials Science, 1986, 8, 453-465.	1.7	8
103	Corrosion of 310 stainless steel in H ₂ - H ₂ O- H ₂ S 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
104	Sulphur potential measurements with a two-phase sulphideoxide electrolyte. Journal of Applied Electrochemistry, 1983, 13, 55-67.	2.9	4
105	Decomposition of γ -alumina in an oxygen potential gradient. Journal of Applied Electrochemistry, 1983, 13, 469-472.	2.9	18
106	Gibbs Energy of Formation of Lead Titanate. Canadian Metallurgical Quarterly, 1982, 21, 171-177.	1.2	14
107	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
108	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

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109	Thermodynamic Properties of Fe ₃ O ₄ -FeV ₂ O ₄ and Fe ₃ O ₄ -FeCr ₂ O ₄ Spinel Solid Solutions. Journal of the American Ceramic Society, 1982, 65, 117-123.	3.8	41
110	Mass-Spectrometric and Electrochemical Studies of Thermodynamic Properties of Liquid and Solid Phases in the System CaO-Al ₂ O ₃ . Journal of the American Ceramic Society, 1981, 64, 307-314.	3.8	87
111	Gibbs Energy of Formation of Lead Zirconate. Journal of the American Ceramic Society, 1981, 64, 573-578.	3.8	21
112	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
113	Revision of Thermodynamic Data on MnO-Al ₂ O ₃ Melts. Canadian Metallurgical Quarterly, 1981, 20, 89-92.	1.2	38
114	Revision of Thermodynamic Data on MnO-Al ₂ O ₃ Melts. Canadian Metallurgical Quarterly, 1981, 20, 89-92.	1.2	14
115	Phase relationships in the system Cr-W-O and thermodynamic properties of CrWO ₄ and Cr ₂ WO ₆ . Journal of Materials Science, 1980, 15, 2167-2174.	3.7	27
116	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
117	A Solid-State Probe for SO ₂ /SO ₃ Based on Na ₂ SO ₄ Electrolyte. Journal of Electroanalytical Chemistry, 1979, 126, 1842-1847.	2.9	95
118	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
119	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
120	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
121	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
122	Thermodynamics of oxide-sulfate melts: The system PbO-PbSO ₄ . Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1978, 9, 301-306.	0.4	7
123	Electrochemical Determination of Activities in Cr ₂ O ₃ -Al ₂ O ₃ Solid Solution. Journal of the Electrochemical Society, 1978, 125, 175-179.	2.9	46
124	Some Studies on a Solid-State Sulfur Probe for Coal Gasification Systems. Journal of the Electrochemical Society, 1978, 125, 758-762.	2.9	37
125	Vapour Pressure of Liquid Metals and Alloys. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1978, 33, 940-945.	1.5	11
126	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

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127	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
128	Activities in the spinel solid solution, phase equilibria and thermodynamic properties of ternary phases in the system Cu-Fe-O. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1977, 8, 451-460.	0.4	53
129	Ion-exchange equilibria between (Mn, Co)O solid solution and (Mn, Co) Cr ₂ O ₄ and (Mn, Co) Al ₂ O ₄ spinel solid solutions at 1100±½ C. Journal of Materials Science, 1977, 12, 481-488.	3.7	17
130	Phase relationships in the system Ni-W-O and thermodynamic properties of NiWO ₄ . Journal of Materials Science, 1977, 12, 1647-1652.	3.7	36
131	The oxygen potential of the systems Fe+FeCr ₂ O ₄ +Cr ₂ O ₃ and Fe+FeV ₂ O ₄ +V ₂ O ₃ in the temperature range 750±1600°C. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1975, 6, 215-221.	0.4	75
132	Thermodynamics of CuAlO ₂ and CuAl ₂ O ₄ and Phase Equilibria in the System Cu ₂ O-CuO-Al ₂ O ₃ . Journal of the American Ceramic Society, 1975, 58, 192-195.	3.8	234
133	Electrochemical Determination of the Stability of Mono- and Dicalcium Stannates. Journal of the Electrochemical Society, 1974, 121, 534.	2.9	5
134	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