Rolf W Berg

List of Publications by Year
in descending order

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161 papers	3,940 citations	156536 32 h-index	190340 53 g-index
179 all docs	179 docs citations	179 times ranked	4335 citing authors

#	Article	IF	Citations
1	Pressurized solid phosphate electrolyzer for medium temperature water splitting. Ionics, 2022, 28, 3421-3433.	1.2	3
2	Solidâ€“Liquid Phase Boundaries in the System: Glycineâ€“NaOHâ€“NaHCO₃â€“H₂O. Journal of Chemical & Engineering Data, 2022, 67, 1550-1564.	1.0	1
3	Vapor pressure and specific electrical conductivity in the H2Oâ€“LiH2PO4â€“LiPO3 systemâ€”a novel electrolyte for water electrolysis at elevated temperature. Ionics, 2021, 27, 703-719.	1.2	2
4	Voltammetric study of one-step electrochemical methane production during water and CO2 co-electrolysis in molten CsH2PO4. Renewable Energy, 2020, 145, 508-513.	4.3	11
5	CsH2PO4 is not stable at 260â€ÂºC unless confined. Comments to article by C.E. Botez, I. Martinez, A. Price, H. Martinez, and J.H. Leal in J. Phys. Chem. Solids 129 (2019) 324-328. Journal of Physics and Chemistry of Solids, 2020, 136, 109177.	1.9	7
6	Efficient water splitting electrolysis on a platinum-free tungsten carbide electrocatalyst in molten CsH2PO4 at 350â€“390ÂºC. International Journal of Hydrogen Energy, 2020, 45, 21262-21272.	3.8	13
7	CsH₂PO₄ as Electrolyte for the Formation of CH₄ by Electrochemical Reduction of CO₂. Journal of the Electrochemical Society, 2020, 167, 044511.	1.3	8
8	Vapor pressure and specific electrical conductivity in the solid and molten H2O-CsH2PO4-CsPO3 systemâ€”a novel electrolyte for water electrolysis at ~â€‰225â€“400ÂºC. Ionics, 2018, 24, 2761-2782.	1.2	18
9	Raman detection of hydrohalite formation: Avoiding accidents on icy roads by deicing where salt will not work. Applied Spectroscopy Reviews, 2018, 53, 503-515.	3.4	12
10	Ab Initio Assessment of the Bonding in Disulfonates Containing Divalent Nitrogen and Phosphorus Atoms. ACS Omega, 2017, 2, 4447-4455.	1.6	0
11	Probing the global potential energy minimum of (CH2O)2: THz absorption spectrum of (CH2O)2 in solid neon and para-hydrogen. Journal of Chemical Physics, 2017, 146, 244311.	1.2	16
12	Specific electrical conductivity in molten potassium dihydrogen phosphate KH2PO4 â€“ An electrolyte for water electrolysis at â¼300 ºC. Applied Energy, 2016, 175, 545-550.	5.1	11
13	Water vapor pressure over molten KH2PO4 and demonstration of water electrolysis at â¼300 ºC. Applied Energy, 2016, 180, 269-275.	5.1	10
14	Determination of Water Vapor Pressure Over Corrosive Chemicals Versus Temperature Using Raman Spectroscopy as Exemplified with 85.5% Phosphoric Acid. Applied Spectroscopy, 2016, 70, 1186-1194.	1.2	5
15	Investigation of<scp>L</scp>(+)-Ascorbic acid with Raman spectroscopy in visible and UV light. Applied Spectroscopy Reviews, 2015, 50, 193-239.	3.4	36
16	Quantitative monitoring of yeast fermentation using Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2014, 406, 4911-4919.	1.9	41
17	Revisiting the BrÃ¸nsted acid catalysed hydrolysis kinetics of polymeric carbohydrates in ionic liquids by in situ ATR-FTIR spectroscopy. Green Chemistry, 2013, 15, 2843.	4.6	31
18	Catalytic Performance of Zeoliteâ€Supported Vanadia in the Aerobic Oxidation of 5â€hydroxymethylfurfural to 2,5â€diformylfuran. ChemCatChem, 2013, 5, 284-293.	1.8	138

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19	Structural Characterization of 1,1,3,3-Tetramethylguanidinium Chloride Ionic Liquid by Reversible SO₂ Gas Absorption. Journal of Physical Chemistry A, 2013, 117, 11364-11373.	1.1	21
20	Nonlinearity in Intensity versus Concentration Dependence for the Deep UV Resonance Raman Spectra of Toluene and Heptane. Applied Spectroscopy Reviews, 2013, 48, 425-437.	3.4	13
21	Determining the Spectral Resolution of a Charge-Coupled Device (CCD) Raman Instrument. Applied Spectroscopy, 2012, 66, 1034-1043.	1.2	17
22	Molybdenum(VI) Oxosulfato Complexes in MoO3â€“K2S2O7â€“K2SO4 Molten Mixtures: Stoichiometry, Vibrational Properties, and Molecular Structures. Journal of Physical Chemistry A, 2012, 116, 8861-8872.	1.1	14
23	Raman Optical Activity and Raman Spectra of Amphetamine Speciesâ€”Quantum Chemical Model Calculations and Experiments. American Journal of Analytical Chemistry, 2012, 03, 410-421.	0.3	13
24	Ab Initio Calculations and Raman and SERS Spectral Analyses of Amphetamine Species. Applied Spectroscopy Reviews, 2011, 46, 107-131.	3.4	24
25	Raman Spectroscopic Study of Tungsten(VI) Oxosulfato Complexes in WO₃â^'K₂S₂O₇â^'K₂SO₄ Molten Mixtures: Stoichiometry, Vibrational Properties, and Molecular Structure. Journal of Physical Chemistry A, 2011, 115, 4214-4222.	1.1	14
26	Formation and characterization of varied size germanium nanocrystals by electron microscopy, Raman spectroscopy, and photoluminescence. Optical Materials Express, 2011, 1, 643.	1.6	14
27	Donor-acceptor-pair emission characterization in N-B doped fluorescent SiC. Optical Materials Express, 2011, 1, 1439.	1.6	43
28	NdHO, a novel oxyhydride. Journal of Solid State Chemistry, 2011, 184, 1890-1894.	1.4	32
29	Experimental and ab initio DFT calculated Raman spectrum of Sudan I, a red dye. Journal of Raman Spectroscopy, 2011, 42, 1470-1478.	1.2	24
30	Size-effect of germanium nanocrystals. , 2011, , .		0
31	X-ray Crystal Structure, Raman Spectroscopy, and Ab Initio Density Functional Theory Calculations on 1,1,3,3-Tetramethylguanidinium Bromide. Journal of Physical Chemistry A, 2010, 114, 13175-13181.	1.1	9
32	Stoichiometry, Vibrational Modes, and Structure of Niobium(V) Oxosulfato Complexes in the Molten Nb₂O₅â^'K₂S₂O₇â^'K₂SO₄ System Studied by Raman Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 7485-7493.	1.1	8
33	Raman Spectroscopic Study of the Vapor Phase of 1-Methylimidazolium Ethanoate, a Protic Ionic Liquid. Journal of Physical Chemistry A, 2010, 114, 10834-10841.	1.1	34
34	Structure of caesium disulfate at 120 and 273â€…K. Acta Crystallographica Section B: Structural Science, 2009, 65, 551-557.	1.8	17
35	The structure of solid salt eutectics â€” â€“ Why lamellar or conglomerate?. Solid State Ionics, 2009, 180, 1453-1456.	1.3	2
36	Reaction Kinetics of Acetone Peroxide Formation and Structure Investigations Using Raman Spectroscopy and X-Ray Diffraction. Applied Spectroscopy, 2009, 63, 92-97.	1.2	29

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37	Crystal Structure, Vibrational Spectroscopy and ab Initio Density Functional Theory Calculations on the Ionic Liquid forming 1,1,3,3-Tetramethylguanidinium bis{(trifluoromethyl)sulfonyl}amide. Journal of Physical Chemistry B, 2009, 113, 8878-8886.	1.2	31
38	Raman Spectroscopic Studies of Methane Gas Hydrates. Applied Spectroscopy Reviews, 2009, 44, 168-179.	3.4	12
39	Octarubidium di-Î¼-sulfato-Îº⁴O:Oâ€²-bis[cis-dioxido-cis-disulfatotungstate(VI)]. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, i88-i88.	0.2	4
40	Ge nanoclusters in PECVD-deposited glass caused only by heat treatment. Applied Physics B: Lasers and Optics, 2008, 91, 177-181.	1.1	5
41	Tuning ionic liquids for high gas solubility and reversible gas sorption. Journal of Molecular Catalysis A, 2008, 279, 170-176.	4.8	177
42	Formation of an Ion-Pair Molecule with a Single NH⁺Â·Â·Â·Cl^{â^'} Hydrogen Bond: Raman Spectra of 1,1,3,3-Tetramethylguanidinium Chloride in the Solid State, in Solution, and in the Vapor Phase. Journal of Physical Chemistry A, 2008, 112, 8585-8592.	1.1	31
43	catena-Poly[tetrasodium [[cis-dioxido-trans-bis(sulfato-ÎºO)molybdate(VI)]-Î¼-sulfato-Îº²O:Oâ€²]]. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, i73-i73.	0.2	6
44	Tetrapotassiumcis-dioxido-trans-bis(sulfato-ÎºO)sulfato(Îº²O,Oâ€²)molybdate(VI). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, i20-i20.	0.2	7
45	Ab initio MO Calculations on the Structure and Raman and Infrared Spectra of [Al₄O₂Cl₁₀]^{2â€“} Oxide in Chloroaluminate Melts. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 157-168.	0.7	7
46	Ge nanostructures doped silica-on-silicon waveguides. Proceedings of SPIE, 2007, , .	0.8	0
47	Diffusion Measurements in Binary Liquid Mixtures by Raman Spectroscopy. Applied Spectroscopy, 2007, 61, 367-373.	1.2	9
48	Ge nanoclusters in PECVD-deposited glass after heat treatment and electron-beam irradiation. Applied Physics B: Lasers and Optics, 2007, 87, 327-331.	1.1	5
49	Raman Spectroscopy and Ab-Initio Model Calculations on Ionic Liquids. Monatshefte FÃ¼r Chemie, 2007, 138, 1045-1075.	0.9	117
50	NaNO2+ NaNO3Phase Diagram:â€‰ New Data from DSC and Raman Spectroscopy. Journal of Chemical & Engineering Data, 2006, 51, 34-39.	1.0	31
51	Wavenumber Calibration of CCD Detector Raman Spectrometers Controlled by a Sinus Arm Drive. Applied Spectroscopy Reviews, 2006, 41, 165-183.	3.4	27
52	Combined Raman Spectroscopic and Theoretical Investigation of Fundamental Vibrational Bands of Furfuryl Alcohol (2-furanmethanol). Journal of Physical Chemistry A, 2006, 110, 9500-9504.	1.1	16
53	Raman spectroscopy evidence of 1:1:1 complex formation during dissolution of WO3 in a melt of K2S2O7:K2SO4. Vibrational Spectroscopy, 2006, 42, 346-352.	1.2	24
54	Analysis of adipate ester contents in poly(vinyl chloride) plastics by means of FT-Raman spectroscopy. Vibrational Spectroscopy, 2006, 42, 222-225.	1.2	28

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55	Characterization of Temperature-Induced Phase Transitions in Five Polymorphic Forms of Sulfathiazole by Terahertz Pulsed Spectroscopy and Differential Scanning Calorimetry. Journal of Pharmaceutical Sciences, 2006, 95, 2486-2498.	1.6	126
56	The crystal structure determinations and refinements of K2S2O7, KNaS2O7 and Na2S2O7 from X-ray powder and single crystal diffraction data. Journal of Solid State Chemistry, 2005, 178, 1697-1704.	1.4	40
57	Thermodynamic and structural properties of high temperature solid and liquid EuBr2. Journal of Nuclear Materials, 2005, 344, 115-119.	1.3	10
58	The Reaction Between ZnO and Molten Na2S2O7 or K2S2O7 Forming Na2Zn(SO4)2 or K2Zn(SO4)2, Studied by Raman Spectroscopy and X-Ray Diffraction.. ChemInform, 2005, 36, no.	0.1	0
59	Potassium bis(Î¼-sulfato-1Î²O:2Î²Oâ€²)bis[cis-dioxido-cis-bis(sulfato-Î²O)tungstate(VI)]. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, i49-i51.	0.2	6
60	The Reaction between ZnO and Molten Na2S2O7 or K2S2O7 Forming Na2Zn(SO4)2 or K2Zn(SO4)2, Studied by Raman Spectroscopy and X-ray Diffraction. Inorganic Chemistry, 2005, 44, 3485-3493.	1.9	36
61	Thermomorphic phase separation in ionic liquidâ€“organic liquid systemsâ€”conductivity and spectroscopic characterization. Physical Chemistry Chemical Physics, 2005, 7, 3052.	1.3	37
62	Raman and ab Initio Studies of Simple and Binary 1-Alkyl-3-methylimidazolium Ionic Liquids. Journal of Physical Chemistry B, 2005, 109, 19018-19025.	1.2	213
63	Single molecule Raman detection of enkephalin on silver colloidal particles. Spectroscopy, 2004, 18, 433-440.	0.8	38
64	Water uptake and acid doping of polybenzimidazoles as electrolyte membranes for fuel cells. Solid State Ionics, 2004, 168, 177-185.	1.3	321
65	The NaNO3/KNO3 system: the position of the solidus and sub-solidus. Dalton Transactions, 2004, , 2224.	1.6	43
66	Analysis of Phthalate Ester Content in Poly(Vinyl Chloride) Plastics by Means of Fourier Transform Raman Spectroscopy. Applied Spectroscopy, 2004, 58, 410-413.	1.2	31
67	Upgrade of a Raman Spectrometer. Applied Spectroscopy Reviews, 2004, 39, 385-397.	3.4	6
68	Thermal, Conductivity, NMR, and Raman Spectroscopic Measurements and Phase Diagram of the Cs2S2O7â^'CsHSO4 System. Journal of Physical Chemistry B, 2003, 107, 13823-13830.	1.2	10
69	Spectroscopic and Thermal Investigations of the Fluoroaluminate Complex Formation in NaFâ^'KF and LiFâ^'NaFâ^'KF Eutectics. Inorganic Chemistry, 2003, 42, 1901-1907.	1.9	9
70	Ab Initio Calculation of Conformation and Vibrational Spectrum for the Pyrosulfate Ion. Journal of Physical Chemistry A, 2003, 107, 5826-5830.	1.1	12
71	Non-Invasive Spectroscopic On-Line Methods to Monitor Industrial Processes. , 2003, , 227-251.		2
72	How to determine the pressure of a methane-containing gas mixture by means of two weak Raman bands, ?3 and 2?2. Journal of Raman Spectroscopy, 2002, 33, 160-164.	1.2	34

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73	Raman mapping in the elucidation of solid salt eutectic and near eutectic structures. Journal of Raman Spectroscopy, 2002, 33, 165-172.	1.2	6
74	Vibrational spectroscopy on protons and deuterons in proton conducting perovskites. Solid State Ionics, 2002, 148, 83-92.	1.3	48
75	High-Pressure Measuring Cell for Raman Spectroscopic Studies of Natural Gas. Applied Spectroscopy, 2001, 55, 55-60.	1.2	46
76	Raman Spectroscopic Studies of Methaneâ€"Ethane Mixtures as a Function of Pressure. Applied Spectroscopy, 2001, 55, 745-749.	1.2	45
77	Structural characterization of cubic silicon nitride. Europhysics Letters, 2000, 51, 62-67.	0.7	74
78	Matrix-Isolated Al2OF62-Ion in Molten and Solid LiF/NaF/KF. Inorganic Chemistry, 2000, 39, 4725-4730.	1.9	27
79	Raman Study of the Hexafluoroaluminate Ion in Solid and Molten FLINAK. Inorganic Chemistry, 2000, 39, 3682-3689.	1.9	23
80	Infrared and Raman Spectroscopic Investigations of the Nb(V) Fluoro and Oxofluoro Complexes in the LiFâˆ'NaFâˆ'KF Eutectic Melt with Development of a Diamond IR Cell. Inorganic Chemistry, 2000, 39, 3449-3454.	1.9	10
81	Vibrational spectroscopic study on fluorooxoborate formation in fluoride melts: Indications of B2OF62âˆ' and B3O3F63âˆ'. Journal of Molecular Liquids, 1999, 83, 141-151.	2.3	13
82	The influence of SiO2 addition to 2MgOâ€"Al2O3â€"3.3P2O5 glass. Journal of Non-Crystalline Solids, 1999, 244, 16-24.	1.5	40
83	Determination of Stoichiometry of Solutes in Molten Salt Solvents by Correlations of Relative Raman Band Intensities. Applied Spectroscopy, 1999, 53, 565-571.	1.2	12
84	Crystal Structure and Spectroscopic Characterization of a Green V(IV) Compound, Na8(VO)2(SO4)6.. Acta Chemica Scandinavica, 1999, 53, 15-23.	0.7	24
85	Morphological Changes at the Interface of the Nickelâ€Yttria Stabilized Zirconia Point Electrode. Journal of the Electrochemical Society, 1998, 145, 2244-2252.	1.3	54
86	Electrochemical Behavior of Molten â€‰Vâ€‰2â€‰Oâ€‰5â€‰â€â€‰â€‰Kâ€‰2â€‰Sâ€‰2â€‰Oâ€‰7â€‰â€â€‰â€‰KH Society, 1997, 144, 532-539.	1.3	8
87	Redetermination of the Crystal Structure of Al2Br6. A Comparison of Three Methods.. Acta Chemica Scandinavica, 1997, 51, 442-448.	0.7	18
88	The CsBr-AlBr3 Phase Diagram and the Crystal Structure of CsAlBr4.. Acta Chemica Scandinavica, 1997, 51, 455-461.	0.7	8
89	Electrochemical Investigation of the Catalytical Processes in Sulfuric Acid Production. Journal of the Electrochemical Society, 1995, 142, 1805-1813.	1.3	5
90	Use of Vibrational Spectroscopy To Determine Oxide Content of Alkali Metal Fluoride-Tantalum Melts. Analytical Chemistry, 1995, 67, 2129-2135.	3.2	14

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91	Oxygen Reduction on Gasâ€Diffusion Electrodes for Phosphoric Acid Fuel Cells by a Potential Decay Method. Journal of the Electrochemical Society, 1995, 142, 3250-3256.	1.3	18
92	Limiting Current of Oxygen Reduction on Gasâ€Diffusion Electrodes for Phosphoric Acid Fuel Cells. Journal of the Electrochemical Society, 1994, 141, 3114-3119.	1.3	24
93	Crystal structure and spectroscopic characterization of cesium vanadium sulfate CsV(SO4)2. Evidence for an electronic Raman transition. [Erratum to document cited in CA119(20):216101g]. Inorganic Chemistry, 1994, 33, 402-402.	1.9	1
94	Electrolyte Additives for Phosphoric Acid Fuel Cells. Journal of the Electrochemical Society, 1993, 140, 896-902.	1.3	21
95	Crystal structure and spectroscopic characterization of cesium vanadium sulfate CsV(SO4)2. Evidence for an electronic Raman transition. Inorganic Chemistry, 1993, 32, 4714-4720.	1.9	30
96	Mechanism of Reaction in NaAlCl4 Molten Salt Batteries with Nickel Felt Cathodes and Aluminum Anodes: II . Experimental Results and Comparison with Model Calculations. Journal of the Electrochemical Society, 1993, 140, 3380-3390.	1.3	11
97	Molten Triazolium Chloride Systems as New Aluminum Battery Electrolytes. Journal of the Electrochemical Society, 1993, 140, 3108-3113.	1.3	81
98	Mechanism of Reaction in NaAlCl4 Molten Salt Batteries with Nickel Felt Cathodes and Aluminum Anodes: I . Modeling of the Battery Properties at Thermodynamic Equilibrium. Journal of the Electrochemical Society, 1993, 140, 3374-3379.	1.3	7
99	Raman and NMR Studies in the System Phosphoryl Chloride--Aluminium Chloride.. Acta Chemica Scandinavica, 1993, 47, 344-357.	0.7	11
100	Progress in Niobium and Tantalum coordination chemistry. Coordination Chemistry Reviews, 1992, 113, 1-130.	9.5	32
101	Crystallographic and aluminum-27 NMR study on premelting phenomena in crystals of sodium tetrachloroaluminate. Inorganic Chemistry, 1991, 30, 981-988.	1.9	15
102	Vibrational Spectra of Fluoro and Oxofluoro Complexes of Nb(V) and Ta(V). Materials Science Forum, 1991, 73-75, 279-284.	0.3	6
103	Influence of Substrates on the Electrochemical Deposition and Dissolution of Aluminum in NaAlCl4 Melts. Journal of the Electrochemical Society, 1991, 138, 763-766.	1.3	26
104	The Crystal Structure of NaV(SO4)2.. Acta Chemica Scandinavica, 1991, 45, 961-964.	0.7	23
105	Electrochemical Deposition of Aluminum from NaClâ€‰â€â€‰AlCl3 Melts. Journal of the Electrochemical Society, 1990, 137, 593-598.	1.3	30
106	Electrochemical Deposition and Dissolution of Aluminum in NaAlCl4 Melts: Influence of and Sulfide Addition. Journal of the Electrochemical Society, 1990, 137, 2794-2798.	1.3	26
107	Crystal structure and vibrational spectra of disodium oxo(disulfato)vanadate. Inorganic Chemistry, 1990, 29, 3294-3298.	1.9	22
108	The Crystal Structure of K7Nb(SO4)6 and K7Ta(SO4)6.. Acta Chemica Scandinavica, 1990, 44, 328-331.	0.7	26

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109	Conductivity of Thionyl Chlorideâ€Lithium Tetrachloroaluminate Solutions. Journal of the Electrochemical Society, 1989, 136, 323-328.	1.3	3
110	A Novel Inorganic Low Melting Electrolyte for Secondary Aluminumâ€Nickel Sulfide Batteries. Journal of the Electrochemical Society, 1989, 136, 901-906.	1.3	30
111	Electroless Growth of Aluminum Dendrites in NaClâ€‰â€â€‰AlCl3 Melts. Journal of the Electrochemical Society, 1989, 136, 2940-2943.	1.3	11
112	Copper(I) complex formation in chloride melts. Raman spectroscopic and cryoscopic study. Polyhedron, 1989, 8, 325-332.	1.0	6
113	On [Na(POCl3)4]+ Complex Ion Formation: Conductivity, Raman, and NMR studies in the system phosphoryl chloride-sodium tetrachloro aluminate and related compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1989, 573, 170-184.	0.6	4
114	Crystal structure and infrared and Raman spectra of potassium vanadyl sulfate (K4(VO)3(SO4)5). Inorganic Chemistry, 1989, 28, 1847-1853.	1.9	33
115	Raman Spectra of Haloaluminate Melts Containing Oxides. Applied Spectroscopy, 1989, 43, 336-341.	1.2	4
116	Potentiometric Investigation of the Oxide Behavior in NaClâ€‰â€â€‰AlCl3 Melts at 175Â°C. Journal of the Electrochemical Society, 1987, 134, 1153-1157.	1.3	5
117	A new family of vitreous materials: The cesium aluminum or gallium thiohalide glasses. Materials Research Bulletin, 1987, 22, 1517-1523.	2.7	9
118	Crystal structure and infrared and Raman spectra of potassium vanadium sulfate (KV(SO4)2). Inorganic Chemistry, 1986, 25, 1571-1577.	1.9	45
119	Raman spectroscopic studies of vapor complexation in the MCl4-POCl3 and MCl4-AlCl3 (M = Zr or Hf) binary systems. Polyhedron, 1986, 5, 1393-1403.	1.0	13
120	Vibrational Spectra of Oxide-Contaminated Tetrachloroaluminate Melts.. Acta Chemica Scandinavica, 1986, 40a, 445-451.	0.7	11
121	Properties of CsCl/AlCl3 Melts Near Equimolar Composition and the Problem of Corrosive Action of the Melt towards Container Materials.. Acta Chemica Scandinavica, 1986, 40a, 646-657.	0.7	4
122	Raman study of halogen exchange equilibria in low melting mixtures consisting of sodium tetrachloroaluminate and tetrabromoaluminate. Polyhedron, 1985, 4, 457-461.	1.0	10
123	Cryoscopy in the potassium chloride-aluminum trichloride system. High-precision phase diagram near equimolar composition, with comments on oxide contaminations and effective chloride concentrations in tetrachloroaluminate melts. Inorganic Chemistry, 1985, 24, 4506-4511.	1.9	11
124	Specific conductivity of sodium chloride-aluminum chloride and sodium chloride-aluminum chloride-aluminum sulfide (NaCl-AlCl3-Al2S3) melts. Journal of Chemical & Engineering Data, 1985, 30, 203-208.	1.0	14
125	Niobium aluminum chloride (NbAlCl8): a molecular dinuclear complex in the solid, melt, and vapor phases. Synthesis, crystal structure, and Raman spectra. Inorganic Chemistry, 1984, 23, 164-171.	1.9	18
126	Phase diagram of the sodium chloride-aluminum chloride system near equimolar composition, with determination of the cryoscopic constant, the enthalpy of melting, and oxide contaminations. Inorganic Chemistry, 1984, 23, 557-565.	1.9	41

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127	Raman study of gallium chlorosulphides in chloride melts. Polyhedron, 1983, 2, 179-181.	1.0	11
128	Density of sodium tetrachloroaluminate melts containing aluminum chlorosulfides. Journal of Chemical & Engineering Data, 1983, 28, 253-255.	1.0	1
129	Density of molten sodium tetrachloroaluminate. A reinvestigation. Journal of Chemical & Engineering Data, 1983, 28, 251-253.	1.0	11
130	Discussion of â€œComplexing of Al+3 by Sâ^'2 Ions in Alkali Halide Meltsâ€•[Z. Nagy, J. L. Settle, J. Padova, and M. Blander (pp. 2034â€“2037, Vol. 129, No. 9)]. Journal of the Electrochemical Society, 1983, 130, 1442-1443.	1.3	0
131	Negative oxidation states of chalcogens in molten salts. 2. Raman spectroscopic, spectrophotometric, and electron spin resonance studies on chloroaluminate solutions containing an S3-entity. Inorganic Chemistry, 1982, 21, 3396-3400.	1.9	9
132	Low-temperature vibrational spectra of cis-dichloro-(meso-2,3-diaminobutane)palladium(II) and platinum(II). Journal of Molecular Structure, 1981, 71, 17-21.	1.8	1
133	Vibrational spectroscopy at very high pressures. Part 28. Raman and farâ€infrared spectra of some complex chlorides A2MCl6under hydrostatic pressure. Journal of Chemical Physics, 1981, 74, 2800-2807.	1.2	14
134	Laser-induced fluorescence of high-temperature vapor complexes of ErCl3 with AlCl3, GaCl3 and InCl3. Chemical Physics Letters, 1980, 75, 483-487.	1.2	10
135	Resonance raman spectra of S3â^' in molten salts. Inorganic and Nuclear Chemistry Letters, 1980, 16, 201-204.	0.7	9
136	Vapor complexes of erbium(III) chloride with aluminum(III), gallium(III) and indium(III) chlorides. Inorganica Chimica Acta, 1980, 45, L211-L213.	1.2	8
137	The structure of deuterated tetramethylammonium hexachloroplatinate investigated by neutron powder diffraction. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1980, 36, 1001-1006.	0.4	9
138	Negative oxidation states of the chalcogens in molten salts. 1. Raman spectroscopic studies on aluminum chlorosulfides formed in chloride and chloroaluminate melts and some related solid and dissolved compounds. Inorganic Chemistry, 1980, 19, 2688-2698.	1.9	35
139	A Redetermination of the Crystal Structure of Tetramethylammonium Hexachlorostannate(IV) at 160 K and at 295 K in the Fd3c Space Group.. Acta Chemica Scandinavica, 1980, 34a, 153-154.	0.7	9
140	Low temperature vibrational spectra, lattice dynamics, and phase transitions in some potassium hexahalometallates: K2[XY6] with X=Sn or Te and Y=Cl or Br. Journal of Chemical Physics, 1979, 70, 4864-4871.	1.2	22
141	Low temperature vibrational spectroscopy. III. Structural aspects and detection of phase transitions in crystalline alkali metal and tetramethylammonium hexabromotellurates and platinates. Journal of Chemical Physics, 1979, 71, 2531-2540.	1.2	32
142	The Crystal Structure of Tetramethylammonium Hexabromotellurate(IV).. Acta Chemica Scandinavica, 1979, 33a, 157-160.	0.7	15
143	Low temperature far IR spectra of (CH34)N NiCl3, (CH3)4N NiBr3 and (CD3)4N NiBr3. Journal of Physics and Chemistry of Solids, 1978, 39, 1193-1196.	1.9	2
144	The vibrational spectrum of the normal and perdeuterated tetramethylammonium ion. Spectrochimica Acta Part A: Molecular Spectroscopy, 1978, 34, 655-659.	0.1	55

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145	Structural properties and vibrational spectra of the ethylene-diammonium family of perovskite layer-type crystals: [NH3CH2CH2NH3] [MCl4], M = Ni, Pd, Cu, Cd, Mn. Journal of Solid State Chemistry, 1978, 26, 59-67.	1.4	39
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