

# Rudy J M Konings

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/532695/publications.pdf>

Version: 2024-02-01

135  
papers

3,794  
citations

136740

32  
h-index

161609

54  
g-index

136  
all docs

136  
docs citations

136  
times ranked

2337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using the Quasi-chemical formalism beyond the phase Diagram: Density and viscosity models for molten salt fuel systems. <i>Journal of Nuclear Materials</i> , 2022, 561, 153536.	1.3	5
2	Examination of the short-range structure of molten salts: ThF <sub>4</sub> , UF <sub>4</sub> , and related alkali actinide fluoride systems. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11091-11103.	1.3	10
3	Cesium and iodine release from fluoride-based molten salt reactor fuel. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9512-9523.	1.3	8
4	Self-irradiation-induced disorder in (U <sub>238</sub> Pu)O <sub>2</sub> . <i>MRS Advances</i> , 2021, 6, 213.	0.5	3
5	New insights and coupled modelling of the structural and thermodynamic properties of the LiF-UF <sub>4</sub> system. <i>Journal of Molecular Liquids</i> , 2021, 331, 115820.	2.3	10
6	Experimental and Computational Exploration of the NaF-ThF <sub>4</sub> Fuel System: Structure and Thermochemistry. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8558-8571.	1.2	3
7	Thermodynamic Description of the ACl-ThCl <sub>4</sub> (A = Li, Na, K) Systems. <i>Thermo</i> , 2021, 1, 122-133.	0.6	4
8	Thermodynamic Assessment of the AF-CrF <sub>3</sub> (A = Li, Na, K) and CrF <sub>2</sub> -CrF <sub>3</sub> Systems. <i>Thermo</i> , 2021, 1, 205-219.	0.6	2
9	Thermodynamic Assessment of the NaF-KF-UF <sub>4</sub> System. <i>Thermo</i> , 2021, 1, 232-250.	0.6	0
10	Thermal Properties and Behaviour of Am-Bearing Fuel in European Space Radioisotope Power Systems. <i>Thermo</i> , 2021, 1, 297-331.	0.6	3
11	SUPERFACT: A Model Fuel for Studying the Evolution of the Microstructure of Spent Nuclear Fuel during Storage/Disposal. <i>Materials</i> , 2021, 14, 6538.	1.3	2
12	Melting behaviour of uranium-ameridium mixed oxides under different atmospheres. <i>Journal of Chemical Thermodynamics</i> , 2020, 140, 105896.	1.0	10
13	A new approach for coupled modelling of the structural and thermo-physical properties of molten salts. Case of a polymeric liquid LiF-BeF <sub>2</sub> . <i>Journal of Molecular Liquids</i> , 2020, 299, 112165.	2.3	39
14	Uranium-plutonium partitioning in aerosols produced from (U,Pu)O <sub>2</sub> mixed oxide by laser heating. <i>Journal of Aerosol Science</i> , 2020, 148, 105588.	1.8	4
15	Thermodynamic assessment of the KF-ThF <sub>4</sub> , LiF-KF-ThF <sub>4</sub> and NaF-KF-ThF <sub>4</sub> systems. <i>Journal of Chemical Thermodynamics</i> , 2020, 145, 106069.	1.0	7
16	Radiation effects in alpha-doped UO <sub>2</sub> . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2020, 468, 54-59.	0.6	8
17	Molten Salt Reactor Fuel and Coolant. , 2020, , 609-644.		5
18	Halides of the Actinides and Fission Products Relevant for Molten Salt Reactors. , 2020, , 256-283.		7

#	ARTICLE	IF	CITATIONS
19	The effect of lattice disorder on the low-temperature heat capacity of (U <sub>1-y</sub> Th <sub>y</sub> )O <sub>2</sub> and <sup>238</sup> Pu-doped UO <sub>2</sub> . <i>Scientific Reports</i> , 2019, 9, 15082.	1.6	7
20	Isobaric Heat Capacity of Solid and Liquid Thorium Tetrafluoride. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 3945-3950.	1.0	5
21	Extreme multi-valence states in mixed actinide oxides. <i>Communications Chemistry</i> , 2019, 2, .	2.0	32
22	Vaporization behaviour of a PuF <sub>3</sub> -containing fuel mixture for the Molten Salt Fast Reactor. <i>Journal of Nuclear Materials</i> , 2019, 527, 151780.	1.3	4
23	Thermophysical properties of U, Zr-oxides as prototypic corium materials. <i>Journal of Nuclear Materials</i> , 2019, 520, 165-177.	1.3	12
24	European Radioisotope Thermoelectric Generators (RTGs) and Radioisotope Heater Units (RHUs) for Space Science and Exploration. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	44
25	<i>In situ</i> high-temperature EXAFS measurements on radioactive and air-sensitive molten salt materials. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 124-136.	1.0	22
26	Synthesis of plutonium trifluoride by hydro-fluorination and novel thermodynamic data for the PuF <sub>3</sub> -LiF system. <i>Journal of Nuclear Materials</i> , 2018, 503, 171-177.	1.3	12
27	High temperature measurements and condensed matter analysis of the thermo-physical properties of ThO <sub>2</sub> . <i>Scientific Reports</i> , 2018, 8, 5038.	1.6	12
28	Thermodynamics of soluble fission products cesium and iodine in the Molten Salt Reactor. <i>Journal of Nuclear Materials</i> , 2018, 501, 238-252.	1.3	20
29	Thermodynamic assessment of the LiF-NiF <sub>2</sub> , NaF-NiF <sub>2</sub> and KF-NiF <sub>2</sub> systems. <i>Journal of Chemical Thermodynamics</i> , 2018, 121, 17-26.	1.0	14
30	The low-temperature heat capacity of (U <sub>1-y</sub> Am <sub>y</sub> )O <sub>2</sub> for y = 0.08 and 0.20. <i>Journal of Nuclear Materials</i> , 2018, 507, 126-134.	1.3	4
31	Optimization of Uranium-Doped Americium Oxide Synthesis for Space Application. <i>Inorganic Chemistry</i> , 2018, 57, 4317-4327.	1.9	34
32	Thermodynamic assessment of the niobium-fluorine system by coupling density functional theory and CALPHAD approach. <i>Journal of Fluorine Chemistry</i> , 2018, 208, 55-64.	0.9	8
33	Thermal diffusivity of UO <sub>2</sub> up to the melting point. <i>Journal of Nuclear Materials</i> , 2018, 499, 504-511.	1.3	14
34	Vaporization behaviour of the Molten Salt Fast Reactor fuel: The LiF-ThF <sub>4</sub> -UF <sub>4</sub> system. <i>Journal of Nuclear Materials</i> , 2018, 508, 319-328.	1.3	9
35	Thermodynamic properties of Pb <sub>3</sub> U <sub>11</sub> O <sub>36</sub> . <i>Journal of Nuclear Materials</i> , 2018, 510, 38-42.	1.3	0
36	A new numerical method and modified apparatus for the simultaneous evaluation of thermo-physical properties above 1500 K: A case study on isostatically pressed graphite. <i>Thermochimica Acta</i> , 2017, 652, 39-52.	1.2	22

#	ARTICLE	IF	CITATIONS
37	The behaviour of parent and daughter nuclides in aerosols released in radiological dispersion events: a study of a SrTiO <sub>3</sub> source. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 549-559.	1.2	6
38	Thermodynamic assessment of the Na-O and Na-U-O systems: Margin to the safe operation of SFRs. <i>Journal of Chemical Thermodynamics</i> , 2017, 114, 93-115.	1.0	11
39	Thermodynamic determination and assessment of the CsF-ThF 4 system. <i>Journal of Chemical Thermodynamics</i> , 2017, 114, 71-82.	1.0	8
40	Synthesis of UF <sub>4</sub> and ThF <sub>4</sub> by HF gas fluorination and re-determination of the UF <sub>4</sub> melting point. <i>Journal of Fluorine Chemistry</i> , 2017, 200, 33-40.	0.9	32
41	The thermodynamic properties of gaseous UO <sub>2</sub> (OH) <sub>2</sub> . <i>Journal of Nuclear Materials</i> , 2017, 496, 163-165.	1.3	2
42	Properties of the high burnup structure in nuclear light water reactor fuel. <i>Radiochimica Acta</i> , 2017, 105, 893-906.	0.5	29
43	Synthesis and investigation of neptunium zirconium phosphate, a member of the NZP family: crystal structure, thermal behaviour and Mössbauer spectroscopy studies. <i>Dalton Transactions</i> , 2017, 46, 11626-11635.	1.6	15
44	High temperature heat capacity of (U, Am) <sub>2</sub> O <sub>7</sub> . <i>Journal of Nuclear Materials</i> , 2017, 494, 95-102.	1.3	14
45	Measurement and interpretation of the thermo-physical properties of UO <sub>2</sub> at high temperatures: The vital effect of oxygen defects. <i>Acta Materialia</i> , 2017, 139, 138-154.	3.8	38
46	The high-temperature heat capacity of the (Th,U) <sub>2</sub> O <sub>7</sub> and (U,Pu) <sub>2</sub> O <sub>7</sub> solid solutions. <i>Journal of Nuclear Materials</i> , 2017, 484, 1-6.	1.3	13
47	Evidence for Lattice Strain and Non-ideal Behavior in the (La <sub>1-x</sub> Eux)PO <sub>4</sub> Solid Solution from X-ray Diffraction and Vibrational Spectroscopy. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	18
48	Theoretical study of actinide monocarbides (ThC, UC, PuC, and AmC). <i>Journal of Chemical Physics</i> , 2016, 145, 244310.	1.2	15
49	Mössbauer spectroscopy, magnetization, magnetic susceptibility, and low temperature heat capacity of Na <sub>2</sub> NpO <sub>4</sub> . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 086002.	0.7	5
50	Thermal properties of PbUO <sub>4</sub> and Pb <sub>3</sub> UO <sub>6</sub> . <i>Journal of Nuclear Materials</i> , 2016, 479, 189-194.	1.3	5
51	Thermodynamic assessment of the neptunium-oxygen system: Mass spectrometric studies and thermodynamic modelling. <i>Journal of Chemical Thermodynamics</i> , 2016, 103, 257-275.	1.0	8
52	Investigation of sulphur isotope variation due to different processes applied during uranium ore concentrate production. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 309, 1113-1121.	0.7	8
53	Characterization of aerosols from RDD surrogate compounds produced by fast thermal transients. <i>Journal of Nuclear Science and Technology</i> , 2016, 53, 391-401.	0.7	3
54	TEM study of alpha-damaged plutonium and americium dioxides. <i>Journal of Materials Research</i> , 2015, 30, 1544-1554.	1.2	20

#	ARTICLE	IF	CITATIONS
55	Raman and X-ray Studies of Uranium-Lanthanum Mixed Oxides Before and After Air Oxidation. Journal of the American Ceramic Society, 2015, 98, 2278-2285.	1.9	54
56	The low-temperature heat capacity of the (Th,Pu)O <sub>2</sub> solid solution. Journal of Physics and Chemistry of Solids, 2015, 86, 194-206.	1.9	13
57	Quantum Chemical Calculations and Experimental Investigations of Molecular Actinide Oxides. Chemical Reviews, 2015, 115, 1725-1759.	23.0	103
58	Thermodynamic investigation of Na <sub>2</sub> U <sub>2</sub> O <sub>7</sub> using Knudsen effusion mass spectrometry and high temperature X-ray diffraction. Journal of Chemical Thermodynamics, 2015, 90, 199-208.	1.0	15
59	Determination of oxygen stoichiometry of oxide fuel during high temperature vapour pressure measurement. Journal of Nuclear Materials, 2015, 462, 182-190.	1.3	3
60	Thermodynamic assessment of the LiF-ThF <sub>4</sub> -PuF <sub>3</sub> -UF <sub>4</sub> system. Journal of Nuclear Materials, 2015, 462, 43-53.	1.3	34
61	Predicting material release during a nuclear reactor accident. Nature Materials, 2015, 14, 247-252.	13.3	94
62	Determination of the thermodynamic activities of LiF and ThF <sub>4</sub> in the Li <sub>x</sub> Th <sub>1-x</sub> F <sub>4x</sub> liquid solution by Knudsen effusion mass spectrometry. Physical Chemistry Chemical Physics, 2015, 17, 30110-30118.	1.3	16
63	Heat capacity of Bi <sub>2</sub> UO <sub>6</sub> . Journal of Nuclear Materials, 2015, 465, 653-656.	1.3	7
64	Low temperature heat capacity of Na <sub>2</sub> NpO <sub>4</sub> . Thermochimica Acta, 2015, 617, 129-135.	1.2	9
65	Low temperature heat capacity of Na <sub>4</sub> UO <sub>5</sub> and Na <sub>4</sub> NpO <sub>5</sub> . Journal of Chemical Thermodynamics, 2015, 91, 245-255.	1.0	12
66	High temperature phase transition of mixed (PuO <sub>2</sub> + ThO <sub>2</sub> ) investigated by laser melting. Journal of Chemical Thermodynamics, 2015, 81, 245-252.	1.0	22
67	Synthesis and crystal structure investigations of ternary oxides in the Na-Pu-O system. Journal of Nuclear Materials, 2015, 457, 54-62.	1.3	16
68	Theoretical Study of Thorium and Uranium Tetracarbide Molecules. European Journal of Inorganic Chemistry, 2014, 2014, 1062-1071.	1.0	11
69	Recent advances in the study of the UO <sub>2</sub> -PuO <sub>2</sub> phase diagram at high temperatures. Journal of Nuclear Materials, 2014, 448, 330-339.	1.3	83
70	Theoretical study of Pu and Am tetracarbide molecules. International Journal of Quantum Chemistry, 2014, 114, 587-597.	1.0	9
71	RADES an experimental set-up for the characterization of aerosol release from nuclear and radioactive materials. Journal of Aerosol Science, 2014, 70, 36-49.	1.8	20
72	The high temperature heat capacity of the (Th,Pu)O <sub>2</sub> system. Journal of Chemical Thermodynamics, 2014, 68, 122-127.	1.0	20

#	ARTICLE	IF	CITATIONS
73	Thermal diffusion of helium in <sup>238</sup> Pu-doped UO <sub>2</sub> . Journal of Nuclear Materials, 2014, 445, 117-127.	1.3	30
74	Thermodynamic assessment of the LiF–NaF–BeF <sub>2</sub> –ThF <sub>4</sub> –UF <sub>4</sub> system. Journal of Nuclear Materials, 2014, 449, 111-121.	1.3	33
75	The Thermodynamic Properties of the <i>f</i> -Elements and their Compounds. Part 2. The Lanthanide and Actinide Oxides. Journal of Physical and Chemical Reference Data, 2014, 43, .	1.9	241
76	A <sup>23</sup> Na Magic Angle Spinning Nuclear Magnetic Resonance, XANES, and High-Temperature X-ray Diffraction Study of NaUO <sub>3</sub> , Na <sub>4</sub> UO <sub>5</sub> , and Na <sub>2</sub> U <sub>2</sub> O <sub>7</sub> . Inorganic Chemistry, 2014, 53, 375-382.	1.9	28
77	Evolution of spent nuclear fuel in dry storage conditions for millennia and beyond. Journal of Nuclear Materials, 2014, 451, 198-206.	1.3	60
78	A mass spectrometric investigation of the vaporisation behaviour in the (U+Pu+O) system. Journal of Chemical Thermodynamics, 2014, 71, 212-220.	1.0	7
79	Heat capacity, thermal conductivity and thermal diffusivity of uranium–americium mixed oxides. Journal of Alloys and Compounds, 2014, 614, 144-150.	2.8	20
80	Thermodynamic Calculations of Molten-Salt Reactor Fuel Systems. , 2013, , 49-78.		4
81	The heat capacity of NpO <sub>2</sub> at high temperatures: The effect of oxygen Frenkel pair formation. Journal of Physics and Chemistry of Solids, 2013, 74, 653-655.	1.9	28
82	A comprehensive study of the heat capacity of CsF from T= 5 K to T= 1400 K. Journal of Chemical Thermodynamics, 2013, 57, 92-100.	1.0	15
83	Mass spectrometric study of the vaporization behaviour of <sup>239</sup> Na <sub>2</sub> NpO <sub>4</sub> : Thermodynamic investigation of the enthalpy of formation. Journal of Chemical Thermodynamics, 2013, 60, 132-141.	1.0	9
84	Thermodynamic investigation of the LiF–ThF <sub>4</sub> system. Journal of Chemical Thermodynamics, 2013, 58, 110-116.	1.0	46
85	Knudsen Effusion Mass Spectrometry of Nuclear Materials: Applications and Developments. ECS Transactions, 2013, 46, 23-38.	0.3	7
86	Recent Results of Microstructural Characterization of Irradiated Light Water Reactor Fuels using Scanning and Transmission Electron Microscopy. Jom, 2012, 64, 1390-1395.	0.9	40
87	Molten Salt Reactor Fuel and Coolant. , 2012, , 359-389.		28
88	The Melting Behaviour of Oxide Nuclear Fuels: Effects of the Oxygen Potential Studied by Laser Heating. Procedia Chemistry, 2012, 7, 505-512.	0.7	21
89	Theoretical Study of the Structure and Bonding in ThC <sub>2</sub> and UC <sub>2</sub> . Journal of Physical Chemistry A, 2012, 116, 747-755.	1.1	28
90	Theoretical study of the Pu and Am dicarbide molecules. Structural Chemistry, 2012, 23, 1281-1289.	1.0	12

#	ARTICLE	IF	CITATIONS
91	Low Temperature Heat Capacity and Magnetic Properties of UF <sub>3</sub> . Inorganic Chemistry, 2011, 50, 10102-10106.	1.9	6
92	The melting behaviour of plutonium dioxide: A laser-heating study. Journal of Nuclear Materials, 2011, 416, 166-172.	1.3	32
93	Thermal diffusivity and conductivity of thorium-plutonium mixed oxides. Journal of Nuclear Materials, 2011, 416, 135-141.	1.3	87
94	Thermodynamic modelling of advanced oxide and carbide nuclear fuels: Description of the U-Pu-O-C systems. Journal of Nuclear Materials, 2011, 419, 145-167.	1.3	186
95	On the melting behaviour of uranium/plutonium mixed dioxides with high-Pu content: A laser heating study. Journal of Nuclear Materials, 2011, 419, 186-193.	1.3	36
96	Synthesis and crystal structure characterisation of sodium neptunate compounds. Journal of Nuclear Materials, 2011, 413, 114-121.	1.3	24
97	A thermodynamic study of the Pu-Am-O system. Journal of Nuclear Materials, 2011, 414, 408-421.	1.3	30
98	(Solid+gas) equilibrium studies for neptunium dioxide. Journal of Chemical Thermodynamics, 2011, 43, 492-498.	1.0	11
99	The high temperature heat capacity of NpO <sub>2</sub> . Journal of Chemical Thermodynamics, 2011, 43, 651-655.	1.0	24
100	Thermodynamic assessment of the LiF-NaF-ThF <sub>4</sub> -UF <sub>4</sub> system. Journal of Nuclear Materials, 2010, 405, 186-198.	1.3	54
101	Impact of auto-irradiation on the thermophysical properties of oxide nuclear reactor fuels. Journal of Nuclear Materials, 2010, 397, 8-18.	1.3	58
102	A DSC study of the NaNO <sub>3</sub> -KNO <sub>3</sub> system using an innovative encapsulation technique. Thermochimica Acta, 2010, 509, 62-66.	1.2	72
103	Reassessing the melting temperature of PuO <sub>2</sub> . Materials Today, 2010, 13, 52-55.	8.3	44
104	Density functional theory, molecular dynamics, and differential scanning calorimetry study of the RbF-CsF phase diagram. Journal of Chemical Physics, 2009, 130, 134716.	1.2	13
105	Thermodynamic evaluation of the (LiF+NaF+BeF <sub>2</sub> +PuF <sub>3</sub> ) system: An actinide burner fuel. Journal of Chemical Thermodynamics, 2009, 41, 1086-1095.	1.0	23
106	Thermodynamic properties and phase diagrams of fluoride salts for nuclear applications. Journal of Fluorine Chemistry, 2009, 130, 22-29.	0.9	106
107	Thermodynamic Properties of Actinides and Actinide Compounds. , 2008, , 2113-2224.		38
108	Excess properties of the (Ln <sub>2</sub> - <sub>2</sub> xCa <sub>x</sub> Th <sub>x</sub> )(PO <sub>4</sub> ) <sub>2</sub> (Ln=La, Ce) solid solutions. Journal of Chemical Thermodynamics, 2008, 40, 1305-1308.	1.0	24

#	ARTICLE	IF	CITATIONS
109	Volatile fission product behaviour during thermal annealing of irradiated UO <sub>2</sub> fuel oxidised up to U <sub>3</sub> O <sub>8</sub> . Journal of Nuclear Materials, 2008, 372, 215-225.	1.3	42
110	Molecular structure and thermodynamic properties of the gaseous ThC <sub>2</sub> and ThC <sub>4</sub> species. Journal of Nuclear Materials, 2008, 372, 391-393.	1.3	15
111	Actinide burner fuel: Potential compositions based on the thermodynamic evaluation of MF <sup>n</sup> –PuF <sub>3</sub> (M=Li, Na, K, Rb, Cs) and LaF <sub>3</sub> –PuF <sub>3</sub> systems. Journal of Nuclear Materials, 2008, 377, 449-457.	1.3	39
112	A re-evaluation of the heat capacity of cerium zirconate (Ce <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> ). Journal of Physics and Chemistry of Solids, 2008, 69, 70-75.	1.9	17
113	Thermodynamic evaluation of the MF <sup>n</sup> –LaF <sub>3</sub> (M=Li, Na, K, Rb, Cs) systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 121-128.	0.7	31
114	High-temperature investigations of the rare earth NZP phosphates R <sub>1</sub> /3Zr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> (R=La, Nd, Eu, Lu) by drop calorimetry. Journal of Alloys and Compounds, 2007, 439, 376-379.	2.8	13
115	The low-temperature heat capacity of (Pu <sub>0.1</sub> La <sub>0.9</sub> )PO <sub>4</sub> . Solid State Communications, 2007, 144, 74-77.	0.9	25
116	The chemistry of the phosphates of barium and tetravalent cations in the 1:1 stoichiometry. Journal of Solid State Chemistry, 2007, 180, 2346-2355.	1.4	32
117	The heat capacity of BaUO <sub>4</sub> . Journal of Chemical Thermodynamics, 2007, 39, 104-107.	1.0	14
118	High-temperature calorimetry of (La <sub>1-x</sub> Ln <sub>x</sub> )PO <sub>4</sub> solid solutions. Journal of Chemical Thermodynamics, 2007, 39, 236-239.	1.0	43
119	Modeling and Calculation of the LiF <sup>n</sup> –NaF <sup>n</sup> –MF <sub>3</sub> (M = La, Ce, Pu) Phase Diagrams. Chemistry of Materials, 2006, 18, 510-517.	3.2	20
120	Thermodynamic assessment of the LiF <sup>n</sup> –BeF <sub>2</sub> –ThF <sub>4</sub> –UF <sub>4</sub> system. Journal of Nuclear Materials, 2006, 357, 48-57.	1.3	30
121	The high-temperature heat capacity of LnPO <sub>4</sub> (Ln=La, Ce, Gd) by drop calorimetry. Journal of Chemical Thermodynamics, 2006, 38, 825-829.	1.0	41
122	A miscibility gap in LiF <sup>n</sup> –BeF <sub>2</sub> and LiF <sup>n</sup> –BeF <sub>2</sub> –ThF <sub>4</sub> . Journal of Nuclear Materials, 2005, 344, 94-99.	1.3	19
123	High temperature heat capacity of Nd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> and La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> pyrochlores. Journal of Chemical Thermodynamics, 2005, 37, 1098-1103.	1.0	66
124	The heat capacity and entropy of actinide(IV) compounds. Journal of Chemical Thermodynamics, 2004, 36, 121-126.	1.0	16
125	The low-temperature heat capacity of some lanthanide zirconates. Journal of Chemical Thermodynamics, 2004, 36, 609-618.	1.0	48
126	Zirconate pyrochlore as a transmutation target: thermal behaviour and radiation resistance against fission fragment impact. Journal of Nuclear Materials, 2003, 319, 59-64.	1.3	96



#	ARTICLE	IF	CITATIONS
127	Transmutation of Actinides. Journal of the American Ceramic Society, 2002, 85, 694-696.	1.9	52
128	Estimation of the standard entropies of some Am(III) and Cm(III) compounds. Journal of Nuclear Materials, 2001, 295, 57-63.	1.3	31
129	Critical evaluation of the thermal properties of ThO <sub>2</sub> and Th <sup>1-2</sup> UO <sub>2</sub> and a survey of the literature data on Th <sup>1-2</sup> PuO <sub>2</sub> . Journal of Nuclear Materials, 1997, 250, 1-12.	1.3	154
130	Melting behaviour of oxide systems for heterogeneous transmutation of actinides. III. The system Am-Mg-O. Journal of Nuclear Materials, 1997, 250, 88-95.	1.3	12
131	The composition of niobium pentafluoride vapor. Structural Chemistry, 1994, 5, 9-13.	1.0	10
132	The release of fission products from degraded UO <sub>2</sub> fuel: Thermochemical aspects. Journal of Nuclear Materials, 1993, 201, 57-69.	1.3	38
133	Thermochemistry of selected fission product compounds. Journal of Nuclear Materials, 1993, 201, 81-91.	1.3	18
134	Thermochemical data for reactor materials and fission products: The ECN database. Journal of Phase Equilibria and Diffusion, 1993, 14, 457-464.	0.3	38
135	Chemical interactions in water-cooled nuclear fuel: A thermochemical approach. Journal of Nuclear Materials, 1988, 152, 301-309.	1.3	112