

# Ken Kurosaki

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

403  
papers

10,299  
citations

43  
h-index

88  
g-index

441  
ext. papers

11,306  
ext. citations

3.3  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
403	Flexible Thermoelectric Paper and Its Thermoelectric Generator from Bacterial Cellulose/Ag <sub>2</sub> Se Nanocomposites. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 3489-3501	6.1	1
402	A simple method for fabricating flexible thermoelectric nanocomposites based on bacterial cellulose nanofiber and Ag <sub>2</sub> Se. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 073901	3.4	1
401	Enhancement of Thermoelectric Properties of n-Type Bi <sub>2</sub> Te <sub>3-x</sub> Sex by Energy Filtering Effect. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 11819-11826	6.1	3
400	Controlled thermal expansion and thermoelectric properties of Mg <sub>2</sub> Si/Si composites. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 035105	2.5	
399	The influence of Gd <sub>2</sub> O <sub>3</sub> on shielding, thermal and luminescence properties of WO <sub>3</sub> /d <sub>2</sub> O <sub>3</sub> B <sub>2</sub> O <sub>3</sub> glass for radiation shielding and detection material. <i>Radiation Physics and Chemistry</i> , <b>2021</b> , 109805	2.5	3
398	Beneficial influence of iodine substitution on the thermoelectric properties of Mo <sub>3</sub> Sb <sub>7</sub> . <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 105101	2.5	
397	Synthesis, microstructure, multifunctional properties of mayenite CaAlO (C12A7) cement and graphene oxide (GO) composites. <i>Scientific Reports</i> , <b>2020</b> , 10, 11077	4.9	11
396	Synthesis of Silicon and Higher Manganese Silicide Bulk Nano-composites and Their Thermoelectric Properties. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 2920-2927	1.9	3
395	Low temperature heat capacity of Cs <sub>2</sub> Si <sub>4</sub> O <sub>9</sub> . <i>Journal of Nuclear Science and Technology</i> , <b>2020</b> , 57, 852-857		1
394	High Thermoelectric Power Factor of Si/Mg <sub>2</sub> Si Nanocomposite Ribbons Synthesized by Melt Spinning. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 1962-1968	6.1	12
393	Interaction of Liquid CsI <sub>3</sub> with a Polycrystalline UO <sub>2</sub> Solid Surface. <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2020</b> , 19, 147-151	0.1	
392	Experimental study of the thermoelectric properties of YbH <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153496	5.7	1
391	Enhancement of Thermoelectric Figure of Merit of p-Type Nb <sub>0.9</sub> Ti <sub>0.1</sub> FeSb Half-Heusler Compound by Nanostructuring. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 2000419	1.6	1
390	Neutron Reflector Materials (Be, Hydrides) <b>2020</b> , 382-399		1
389	Synthesis and characterization of bulk Si/In nanocomposite and comparisons of approaches for enhanced thermoelectric properties in nanocomposites composed of Si and various metal silicides. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 095101	2.5	0
388	Enhancing Thermoelectric Properties of Higher Manganese Silicide (HMS) by Partial Ta Substitution. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 2726-2733	1.9	3
387	Realizing Excellent n- and p-Type Niobium-Based Half-Heusler Compounds Based on Thermoelectric Properties and High-Temperature Stability. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000083	6.4	2

386	Nanostructured bulk Si for thermoelectrics synthesized by surface diffusion/sintering doping.. <i>RSC Advances</i> , <b>2019</b> , 9, 15496-15501	3.7	
385	Thermal and mechanical properties of U <sub>3</sub> Si and USi <sub>3</sub> . <i>Annals of Nuclear Energy</i> , <b>2019</b> , 133, 186-193	1.7	2
384	Si-Based Materials for Thermoelectric Applications. <i>Materials</i> , <b>2019</b> , 12,	3.5	7
383	First-principles calculation study of Mg <sub>2</sub> XH <sub>6</sub> (X=Fe, Ru) on thermoelectric properties. <i>Materials Research Express</i> , <b>2019</b> , 6, 085536	1.7	0
382	Thermal and Electrical Conductivity of Liquid AlBi Alloys. <i>International Journal of Thermophysics</i> , <b>2019</b> , 40, 1	2.1	4
381	Thermophysical and mechanical properties of CrB and FeB. <i>Journal of Nuclear Science and Technology</i> , <b>2019</b> , 56, 859-865	1	5
380	Self-Assembled Nanostructured Bulk Si as High-Performance TE Materials <b>2019</b> , 35-77		
379	A first-principles theoretical study on the potential thermoelectric properties of MgH <sub>2</sub> and CaH <sub>2</sub> . <i>Materials Research Express</i> , <b>2019</b> , 6, 055510	1.7	1
378	Density and viscosity of liquid ZrO measured by aerodynamic levitation technique. <i>Heliyon</i> , <b>2019</b> , 5, e02049	3.9	17
377	Wettability of Liquid Cesium Halides on Oxide Single Crystals. <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2019</b> , 18, 1-5	0.1	1
376	Fabrication and Thermoelectric Property of Bi <sub>0.88</sub> Sb <sub>0.12</sub> /InSb Eutectic Alloy by Melt Spinning and Spark Plasma Sintering. <i>Materials Transactions</i> , <b>2019</b> , 60, 1072-1077	1.3	2
375	Enhanced Thermoelectric Properties of Ga and Ce Double-Filled p-Type Skutterudites. <i>Materials Transactions</i> , <b>2019</b> , 60, 1078-1082	1.3	2
374	Fabrication and thermoelectric property of nanostructured Si/Cr <sub>0.8</sub> Mn <sub>0.2</sub> Si <sub>2</sub> eutectic alloy by melt-spinning. <i>Materials Research Express</i> , <b>2019</b> , 6, 025702	1.7	2
373	Recent activities in the field of nuclear materials and nuclear fuels. <i>Journal of Nuclear Science and Technology</i> , <b>2019</b> , 56, 147-149	1	1
372	Tuning valence electron concentration in the Mo <sub>13</sub> Ge <sub>23</sub> -Ru <sub>2</sub> Ge <sub>3</sub> pseudobinary system for enhancement of the thermoelectric properties. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 025108	2.5	
371	Thermoelectric Properties of Co- and Mn-Doped Al <sub>2</sub> Fe <sub>3</sub> Si <sub>3</sub> . <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 475-482	1.9	7
370	Thermal conductivity and electrical resistivity of liquid AgIn alloy. <i>Journal of Nuclear Science and Technology</i> , <b>2018</b> , 55, 568-574	1	4
369	Wettability of liquid caesium iodine and boron oxide on yttria-stabilized zirconia. <i>Journal of Nuclear Science and Technology</i> , <b>2018</b> , 55, 838-842	1	4

368	Thermoelectric Properties of Bulk Yttrium Silicide (YSi <sub>2</sub> ) Fabricated by Arc Melting and Spark Plasma Sintering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1700769	1.6	1
367	The Nanometer-Sized Eutectic Structure of Si/CrSi <sub>2</sub> Thermoelectric Materials Fabricated by Rapid Solidification. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 2330-2336	1.9	18
366	Ytterbium Silicide (YbSi <sub>2</sub> ): A Promising Thermoelectric Material with a High Power Factor at Room Temperature (Phys. Status Solidi RRL 2/2018). <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2018</b> , 12, 1870308	2.5	1
365	Effect of hydrogenation conditions on the microstructure and mechanical properties of zirconium hydride. <i>Journal of Nuclear Materials</i> , <b>2018</b> , 500, 145-152	3.3	9
364	Thermal and Mechanical Properties of $\beta$ -MoSi <sub>2</sub> as a High-Temperature Material. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700448	1.3	7
363	Development of thermodynamic databases in the system U <sub>2</sub> Zr <sub>2</sub> Ce <sub>2</sub> Be <sub>2</sub> O <sub>10</sub> H <sub>2</sub> for application to simulating phase equilibria in severe nuclear accidents. <i>Journal of Nuclear Science and Technology</i> , <b>2018</b> , 55, 885-899	1	1
362	Naturally decorated dislocations capable of enhancing multiple-phonon scattering in Si-based thermoelectric composites. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 115114	2.5	4
361	Effect of point and planar defects on thermal conductivity of TiO <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 334-346	3.8	9
360	Thermoelectric Properties of Size-Controlled Si and Metal Silicides Nanocomposites. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1052, 012124	0.3	1
359	Bi-doped lanthanum molybdate: Enhancing the anharmonicity and reducing the thermal conductivity using Bi <sup>3+</sup> with lone pair electrons. <i>Ceramics International</i> , <b>2018</b> , 44, 15833-15838	5.1	5
358	Synthesis and Characterization of CeO <sub>2</sub> -Based Simulated Fuel Containing CsI. <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2018</b> , 17, 106-110	0.1	
357	Ytterbium Silicide (YbSi <sub>2</sub> ): A Promising Thermoelectric Material with a High Power Factor at Room Temperature. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2018</b> , 12, 1700372	2.5	7
356	Thermoelectric properties of phosphorus-doped indium tellurosilicate: InSiTe <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 75-80	5.7	3
355	Chalcopyrite ZnSnSb: A Promising Thermoelectric Material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43682-43690	9.5	14
354	High thermoelectric power factor of ytterbium silicon-germanium. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 193901	3.4	7
353	Thermoelectric Properties of p-Type Half-Heusler Compounds FeNb <sub>0.9</sub> M <sub>0.1</sub> Sb (M = Ti, Zr, Hf). <i>Materials Transactions</i> , <b>2018</b> , 59, 1030-1034	1.3	5
352	Enhancement of thermoelectric properties of p-type single-filled skutterudites CexFeyCo <sub>4-y</sub> Sb <sub>12</sub> by tuning the Ce and Fe content. <i>AIP Advances</i> , <b>2018</b> , 8, 105104	1.5	4
351	Synthesis of High-Density Bulk Tin Monoxide and Its Thermoelectric Properties. <i>Materials Transactions</i> , <b>2018</b> , 59, 1022-1029	1.3	4

350	Increased Seebeck Coefficient and Decreased Lattice Thermal Conductivity in Grain-Size-Controlled p-Type PbTeMgTe System. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6586-6592	6.1	8
349	Enhancing thermoelectric properties of p-type SiGe alloy through optimization of carrier concentration and processing parameters. <i>Materials Science in Semiconductor Processing</i> , <b>2018</b> , 88, 239-249	4.3	11
348	Thermal and mechanical properties of polycrystalline U <sub>3</sub> Si <sub>2</sub> synthesized by spark plasma sintering. <i>Journal of Nuclear Science and Technology</i> , <b>2018</b> , 55, 1141-1150	1	20
347	Physical properties of core-concrete systems: Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> molten materials measured by aerodynamic levitation. <i>Journal of Nuclear Materials</i> , <b>2017</b> , 487, 121-127	3.3	10
346	Thermoelectric properties of Si-NiSi <sub>2</sub> bulk nanocomposites synthesized by a combined method of melt spinning and spark plasma sintering. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 225110	2.5	10
345	Thermoelectric properties of Fe and Al co-added Ge. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 0455024		
344	A new semiconductor Al <sub>2</sub> Fe <sub>3</sub> Si <sub>3</sub> with complex crystal structure. <i>Intermetallics</i> , <b>2017</b> , 89, 51-56	3.5	14
343	Thermoelectric properties of Si/CoSi <sub>2</sub> sub-micrometer composites prepared by melt-spinning technique. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 205107	2.5	10
342	FeNbSb p-type half-Heusler compound: beneficial thermomechanical properties and high-temperature stability for thermoelectrics. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6677-6681	7.1	30
341	Physical properties of molten core materials: Zr-Ni and Zr-Cr alloys measured by electrostatic levitation. <i>Journal of Nuclear Materials</i> , <b>2017</b> , 485, 129-136	3.3	9
340	Enhancement of Thermoelectric Properties of Bulk Si by Dispersing Size-Controlled VSi <sub>2</sub> . <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 3249-3255	1.9	13
339	Mechanical and thermal properties of ZrSiO <sub>4</sub> . <i>Journal of Nuclear Science and Technology</i> , <b>2017</b> , 54, 1267-1273		20
338	High wettability of liquid caesium iodine with solid uranium dioxide. <i>Scientific Reports</i> , <b>2017</b> , 7, 11449	4.9	5
337	The effect of YSi <sub>2</sub> nano-inclusion on the thermoelectric properties of p-type SiGe alloy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2017</b> , 214, 1700235	1.6	7
336	Effect of oxygen defects on thermal conductivity of thorium-cerium dioxide solid solutions. <i>Journal of Nuclear Materials</i> , <b>2017</b> , 483, 192-198	3.3	5
335	Effect of Ba concentration on phase stability and mechanical and thermal properties of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> . <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 281-288	6	9
334	Thermal Conductivity and Electrical Resistivity of Liquid Sn-Bi Alloys. <i>Netsu Bussei</i> , <b>2017</b> , 31, 11-16	0.1	2
333	Electronic Structure and Thermoelectric Properties of Pseudogap Intermetallic Compound Al <sub>5</sub> Co <sub>2</sub> . <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2017</b> , 81, 55-59	0.4	0

332	Thermoelectric Properties of $\text{In}_x\text{FeCo}_3\text{Sb}_{12}$ Consisting Mainly of In-Filled p-Type Skutterudites. <i>Materials Transactions</i> , <b>2017</b> , 58, 1207-1211	1.3	3
331	Bottom-up nanostructured silicon for thermoelectrics <b>2017</b> , 539-554		
330	Bottom-up nanostructured silicon for thermoelectrics. <i>Series in Materials Science and Engineering</i> , <b>2017</b> , 539-554		
329	Thermoelectric Properties of $\text{Cr}_{1-x}\text{W}_x\text{Si}_2$ . <i>Materials Transactions</i> , <b>2016</b> , 57, 1059-1065	1.3	5
328	Thermoelectric properties of gallium-doped p-type germanium. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 051301	1.4	4
327	Reduction of lattice thermal conductivity of pseudogap intermetallic compound $\text{Al}_3\text{V}$ . <i>Physica Status Solidi (B): Basic Research</i> , <b>2016</b> , 253, 469-472	1.3	5
326	Isotope effect and hydrogen content dependence on the heat capacity and thermal conductivity of zirconium hydride and deuteride. <i>Journal of Nuclear Science and Technology</i> , <b>2016</b> , 53, 508-512	1	2
325	Role of Nanoscale Precipitates for Enhancement of Thermoelectric Properties of Heavily P-Doped Si-Ge Alloys. <i>Materials Transactions</i> , <b>2016</b> , 57, 1070-1075	1.3	2
324	Thermoelectric Properties of (100) Oriented Silicon and Nickel Silicide Nanocomposite Films Grown on Si on Insulator and Si on Quartz Glass Substrates. <i>Materials Transactions</i> , <b>2016</b> , 57, 1076-1081	1.3	5
323	Mechanical and Thermal Properties of $\text{Fe}_2\text{B}$ . <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2016</b> , 15, 223-228	0.1	7
322	Enhanced Thermoelectric Properties of Silicon via Nanostructuring. <i>Materials Transactions</i> , <b>2016</b> , 57, 1018-1021	1.3	22
321	Improving thermoelectric properties of bulk Si by dispersing $\text{VSi}_2$ nanoparticles. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 061301	1.4	8
320	Enhanced thermoelectric properties of Ga and In Co-added $\text{CoSb}_3$ -based skutterudites with optimized chemical composition and microstructure. <i>AIP Advances</i> , <b>2016</b> , 6, 125015	1.5	12
319	Thermophysical properties of molten core materials: ZrBe alloys measured by electrostatic levitation. <i>Journal of Nuclear Science and Technology</i> , <b>2016</b> , 53, 1943-1950	1	8
318	Thermoelectric Properties of p-Type Tl-Filled Skutterudites: $\text{Tl}_x\text{Fe}_{1.5}\text{Co}_{2.5}\text{Sb}_{12}$ . <i>Journal of Electronic Materials</i> , <b>2015</b> , 44, 1743-1749	1.9	3
317	Thermoelectric properties of heavily boron- and phosphorus-doped silicon. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 071301	1.4	48
316	Carrier Transport Properties of p-Type Silicon/Metal Silicide Nanocrystal Composite Films. <i>Journal of Electronic Materials</i> , <b>2015</b> , 44, 2074-2079	1.9	8
315	Thermophysical properties of americium-containing barium plutonate. <i>Journal of Nuclear Science and Technology</i> , <b>2015</b> , 52, 1285-1289	1	2

314	Thermal and mechanical properties of hydrides of ZrHf alloys. <i>Journal of Nuclear Science and Technology</i> , <b>2015</b> , 52, 162-170	1	1
313	Thermoelectric properties of Cr <sub>1-x</sub> MoxSi <sub>2</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2015</b> , 87, 153-157	3.9	14
312	Mechanical and thermal properties of bulk ZrB <sub>2</sub> . <i>Journal of Nuclear Materials</i> , <b>2015</b> , 467, 612-617	3.3	25
311	Effect of Mo content on thermal and mechanical properties of MoRuRhPd alloys. <i>Journal of Nuclear Materials</i> , <b>2015</b> , 456, 369-372	3.3	3
310	Enhancement of Thermoelectric Properties of Silicon by Nanoscale Structure Control. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2015</b> , 79, 569-572	0.4	1
309	Microstructure and Thermal Conductivity of RuAl <sub>2</sub> Prepared by a Single-Roll Melt-Spinning Method. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2015</b> , 79, 573-576	0.4	2
308	Thermal Conductivity of $\beta$ -FeSi <sub>2</sub> -Si Self-Assembled Nanocomposite. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2015</b> , 79, 586-590	0.4	1
307	Thermoelectric properties of Si/SiB <sub>3</sub> sub-micro composite prepared by melt-spinning technique. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 065103	2.5	6
306	Properties of Cold-Pressed Metal Hydride Materials for Neutron Shielding in a D <sup>III</sup> Fusion Reactor. <i>Plasma and Fusion Research</i> , <b>2015</b> , 10, 3405021-3405021	0.5	3
305	Phase State and Thermal and Mechanical Properties of Zr-Er Alloys. <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2015</b> , 14, 123-127	0.1	
304	Enhancement of thermoelectric properties of CoSb <sub>3</sub> skutterudite by addition of Ga and In. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 111801	1.4	8
303	Synthesis and Characterization of Melt-Spun Metastable Al <sub>6</sub> Ge <sub>5</sub> . <i>Journal of Electronic Materials</i> , <b>2015</b> , 44, 948-952	1.9	4
302	Thermoelectric properties of Tl-filled Co-free p-type skutterudites: Tlx(Fe,Ni) <sub>4</sub> Sb <sub>12</sub> . <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 023702	2.5	9
301	The $\alpha/\beta$ phase transition in hafnium hydride and deuteride. <i>Journal of Nuclear Science and Technology</i> , <b>2014</b> , 1-5	1	
300	Local structure determination of substitutional elements in Ca <sub>3</sub> Co <sub>4-x</sub> MxO <sub>9</sub> (M = Fe, Cr, Ga) using X-ray absorption spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 1732-1739	1.6	6
299	The effect of Cr substitution on the structure and properties of misfit-layered Ca <sub>3</sub> Co <sub>4-x</sub> Cr <sub>x</sub> O <sub>9</sub> + $\delta$ thermoelectric oxides. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 588, 199-205	5.7	35
298	Thermophysical properties of BaThO <sub>3</sub> . <i>Journal of Nuclear Materials</i> , <b>2014</b> , 448, 62-65	3.3	5
297	Effect of Ball-Milling Conditions on Thermoelectric Properties of Polycrystalline CuGaTe <sub>2</sub> . <i>Materials Transactions</i> , <b>2014</b> , 55, 1215-1218	1.3	10

296	Thermoelectric Properties of RE <sub>5</sub> X <sub>3</sub> (RE=Gd, La, X=Si, Ge). <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2014</b> , 78, 225-229	0.4	1
295	Thermoelectric Properties of Group 13 Elements-Triple Filled Skutterudites: Nominal In <sub>x</sub> Ga <sub>0.02</sub> Tl <sub>0.20</sub> Co <sub>4</sub> Sb <sub>12</sub> . <i>Materials Transactions</i> , <b>2014</b> , 55, 1232-1236	1.3	3
294	Thermoelectric properties of Au nanoparticle-supported Sb <sub>1.6</sub> Bi <sub>0.4</sub> Te <sub>3</sub> synthesized by a $\gamma$ irradiation method. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 162-167	1.3	8
293	Enhancement of thermoelectric efficiency of CoSb <sub>3</sub> -based skutterudites by double filling with K and Tl. <i>Frontiers in Chemistry</i> , <b>2014</b> , 2, 84	5	5
292	Bottom-up nanostructured bulk silicon: a practical high-efficiency thermoelectric material. <i>Nanoscale</i> , <b>2014</b> , 6, 13921-7	7.7	52
291	Thermoelectric Properties of Ca <sub>3</sub> Co <sub>4-x</sub> Ga <sub>x</sub> O <sub>9</sub> Prepared by Thermal Hydro-decomposition. <i>Journal of Electronic Materials</i> , <b>2014</b> , 43, 2064-2071	1.9	6
290	Thermoelectric Properties of CoSb <sub>3</sub> Based Skutterudites Filled by Group 13 Elements. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2014</b> , 301-325	0.3	
289	Thermoelectric Properties of Indium-Added Skutterudites In <sub>x</sub> Co <sub>4</sub> Sb <sub>12</sub> . <i>Journal of Electronic Materials</i> , <b>2013</b> , 42, 1463-1468	1.9	21
288	Nanostructuring and Thermoelectric Characterization of (GaSb) <sub>3</sub> (1-x)(Ga <sub>2</sub> Te <sub>3</sub> ) <sub>x</sub> . <i>Journal of Electronic Materials</i> , <b>2013</b> , 42, 1719-1724	1.9	2
287	Effect of Cooling Conditions on the Microstructure and Thermoelectric Properties of Zn/Si-Codoped InSb. <i>Journal of Electronic Materials</i> , <b>2013</b> , 42, 2388-2392	1.9	4
286	How thermoelectric properties of p-type Tl-filled skutterudites are improved. <i>APL Materials</i> , <b>2013</b> , 1, 032115	5.7	9
285	Low-thermal-conductivity group 13 chalcogenides as high-efficiency thermoelectric materials. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2013</b> , 210, 82-88	1.6	34
284	Back Cover: Low-thermal-conductivity group 13 chalcogenides as high-efficiency thermoelectric materials (Phys. Status Solidi A 1/2013). <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2013</b> , 210,	1.6	1
283	Local structure of Fe in Fe-doped misfit-layered calcium cobaltite: An X-ray absorption spectroscopy study. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 204, 257-265	3.3	19
282	The effect of carbon on the evolution of vacancy defects in electron-irradiated nickel studied by positron annihilation. <i>Journal of Nuclear Materials</i> , <b>2013</b> , 434, 198-202	3.3	5
281	Thermophysical properties of BaUO <sub>4</sub> . <i>Journal of Nuclear Materials</i> , <b>2013</b> , 443, 218-221	3.3	
280	Lattice parameter and thermal conductivity of Th <sub>1-x</sub> M <sub>x</sub> O <sub>2</sub> (M = Y, La, Ce, Nd, Gd and U). <i>Journal of Nuclear Materials</i> , <b>2013</b> , 434, 124-128	3.3	19
279	Effects of Hf on Thermal and Mechanical Properties of Zr Hydrides. <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2013</b> , 12, 67-75	0.1	1



278	Synthesis of silicon and molybdenum silicide nanocrystal composite films having low thermal conductivity. <i>Thin Solid Films</i> , <b>2013</b> , 534, 238-241	2.2	21
277	Thermophysical properties of Th <sub>1-x</sub> U <sub>x</sub> O <sub>2</sub> pellets prepared by spark plasma sintering technique. <i>Journal of Nuclear Science and Technology</i> , <b>2013</b> , 50, 181-187	1	22
276	High Temperature Thermoelectric Properties of Half-Heusler Compound PtYSb. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 041804	1.4	16
275	Characterization and thermomechanical properties of Ln <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> (Ln=La, Pr, Nd, Eu, Gd, Dy) and Nd <sub>2</sub> Ce <sub>2</sub> O <sub>7</sub> . <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1514, 139-144		6
274	Reinvestigation the Thermal and Electrical Transport Properties of Tl <sub>7</sub> Sb <sub>2</sub> . <i>Advanced Materials Research</i> , <b>2013</b> , 802, 284-288	0.5	
273	Reduction of thermal conductivity in semiconducting composite films consisting of silicon and transition-metal silicide nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1456, 64		3
272	Thermoelectric Properties of Chalcopyrite-Type CuGaTe <sub>2</sub> with Ag Substituted into the Cu Sites. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 081801	1.4	12
271	Heavily doped silicon and nickel silicide nanocrystal composite films with enhanced thermoelectric efficiency. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 134311	2.5	30
270	Preparation and characterization of the simulated burnup americium-containing uranium-plutonium mixed oxide fuel. <i>Journal of Nuclear Materials</i> , <b>2012</b> , 420, 207-212	3.3	5
269	Thermophysical properties of perovskite type alkaline-earth metals and plutonium complex oxides. <i>Journal of Nuclear Materials</i> , <b>2012</b> , 422, 163-166	3.3	7
268	- Bismuth Telluride Alloys for Waste Energy Harvesting and Cooling Applications <b>2012</b> , 137-154		1
267	Enhancement of thermoelectric properties of CoSb <sub>3</sub> -based skutterudites by double filling of Tl and In. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 043509	2.5	17
266	Synthesis and thermal conductivity of Y <sub>6</sub> UO <sub>12</sub> . <i>Journal of Nuclear Science and Technology</i> , <b>2012</b> , 49, 526-530		6
265	High-temperature thermoelectric properties of non-stoichiometric Ag <sub>1-x</sub> InTe <sub>2</sub> with chalcopyrite structure. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2012</b> , 177, 999-1002	3.1	20
264	Thermophysical Properties of Perovskite Type Alkaline Earth Hafnates. <i>Ceramic Transactions</i> , <b>2012</b> , 69-76.		1
263	Neutron Reflector Materials (Be, Hydrides) <b>2012</b> , 307-321		3
262	Thermoelectric properties and microstructures of AgSbTe <sub>2</sub> -added p-type Pb <sub>0.16</sub> Ge <sub>0.84</sub> Te. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2012</b> , 209, 167-170	1.6	6
261	High-temperature thermoelectric properties of Cu <sub>2</sub> In <sub>4</sub> Te <sub>7</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2012</b> , 6, 154-156	2.5	10

260	Ab initio study of hydrogen diffusion in zirconium oxide. <i>Journal of Nuclear Science and Technology</i> , <b>2012</b> , 49, 544-550	1	19
259	Chalcopyrite CuGaTe <sub>2</sub> : a high-efficiency bulk thermoelectric material. <i>Advanced Materials</i> , <b>2012</b> , 24, 3622-6	24	245
258	Effects of the Defects on the Thermoelectric Properties of Cu <sub>1-x</sub> Te Chalcopyrite-Related Compounds. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 121803	1.4	3
257	Thermal Conductivity of Size-Controlled Bulk Silicon Nanocrystals Using Self-Limiting Oxidation and HF Etching. <i>Applied Physics Express</i> , <b>2012</b> , 5, 081302	2.4	5
256	Thermoelectric properties of Zn-doped GaSb. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 043704	2.5	16
255	High-temperature thermoelectric properties of Cu <sub>1-x</sub> InTe <sub>2</sub> with a chalcopyrite structure. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 042108	3.4	65
254	Effect of Cu Doping into the Ga Site on the Thermoelectric Properties of AgGaTe <sub>2</sub> with Chalcopyrite Structure. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2012</b> , 59, 206-209	0.2	2
253	Thermoelectric Properties of $\alpha$ -Ag <sub>9</sub> GaTe <sub>6</sub> . <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2012</b> , 76, 504-507	0.4	2
252	Effect of Phase Transition on the Thermoelectric Properties of Ag <sub>2</sub> Te. <i>Materials Transactions</i> , <b>2012</b> , 53, 1216-1219	1.3	26
251	Effect of the Amount of Vacancies on the Thermoelectric Properties of Cu-Ga-Te Ternary Compounds. <i>Materials Transactions</i> , <b>2012</b> , 53, 1212-1215	1.3	24
250	Reduction in Lattice Thermal Conductivity of InSb by Formation of the ZnIn <sub>18</sub> GeSb <sub>20</sub> Alloy. <i>Materials Transactions</i> , <b>2012</b> , 53, 1976-1980	1.3	
249	Thermodynamic Equilibrium Calculations on the Oxidation Behavior of the Mo-Ru-Rh-Pd Alloys. <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2012</b> , 11, 30-36	0.1	2
248	Effects of the Defects on the Thermoelectric Properties of Cu <sub>1-x</sub> Te Chalcopyrite-Related Compounds. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 121803	1.4	7
247	Thermoelectric properties of Ga-added CoSb <sub>3</sub> based skutterudites. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 013521	2.5	33
246	Reduction of thermal conductivity in PbTe:Te by alloying with TeSbTe <sub>2</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	24
245	Thermoelectric properties of Zn-Sn-Sb based alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1314, 1		6
244	Effects of Te-filling into the voids and Rh substitution for Co on the thermoelectric properties of CoSb <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1084-1089	5.7	8
243	Synthesis and high-temperature thermoelectric properties of Ni <sub>3</sub> GaSb and Ni <sub>3</sub> InSb. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 4014-4017	5.7	5

242	Synthesis and thermal conductivities of ZnIn <sub>2</sub> Te <sub>4</sub> and CdIn <sub>2</sub> Te <sub>4</sub> with defect-chalcopyrite structure. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 7484-7487	5.7	10
241	Enhancement of the Thermoelectric Performance by Controlling the Distribution of the Structural Vacancies. <i>Materia Japan</i> , <b>2011</b> , 50, 146-148	0.1	
240	Thermophysical properties of SrUO <sub>4</sub> . <i>Journal of Nuclear Materials</i> , <b>2011</b> , 419, 353-356	3.3	1
239	Thermal conductivity of Y <sub>6</sub> WO <sub>12</sub> and Yb <sub>6</sub> WO <sub>12</sub> ceramics. <i>Journal of Nuclear Materials</i> , <b>2011</b> , 419, 357-360	3.3	5
238	Oxygen non-stoichiometries in (Th <sub>0.7</sub> Ce <sub>0.3</sub> )O <sub>2</sub> . <i>Journal of Nuclear Materials</i> , <b>2011</b> , 408, 285-288	3.3	3
237	Effect of Vacancy Distribution on the Thermal Conductivity of Ga <sub>2</sub> Te <sub>3</sub> and Ga <sub>2</sub> Se <sub>3</sub> . <i>Journal of Electronic Materials</i> , <b>2011</b> , 40, 999-1004	1.9	34
236	Thermal conductivity of BaPuO <sub>3</sub> at temperatures from 300 to 1500K. <i>Journal of Nuclear Materials</i> , <b>2011</b> , 414, 316-319	3.3	15
235	Thermoelectric properties of Ag <sub>1-x</sub> GaTe <sub>2</sub> with chalcopyrite structure. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 061902	3.4	95
234	High-temperature thermoelectric properties of Cu <sub>2</sub> Ga <sub>4</sub> Te <sub>7</sub> with defect zinc-blende structure. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 172104	3.4	25
233	Phase State and Physical Properties of the Mo-Ru-Ph-Pd Alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1298, 41		
232	Chemical States of Fission Products and Actinides in Irradiated Oxide Fuels Analyzed by Thermodynamic Calculation and Post-Irradiation Examination. <i>Progress in Nuclear Science and Technology</i> , <b>2011</b> , 2, 5-8	0.3	12
231	Effects of Zr/Gd Ratio and Hydrogen Content on the Mechanical and Thermal Properties of Hydrides of Zr-Gd Alloys. <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2011</b> , 10, 48-54	0.1	
230	Thermal Conductivity Analysis of the Complex Oxides Composed of Alkali or Alkaline-Earth Metals and Molybdenum. <i>Transactions of the Atomic Energy Society of Japan</i> , <b>2010</b> , 9, 21-28	0.1	3
229	Thermoelectric Properties of CoSb <sub>3</sub> -based Skutterudite Compounds. <i>Materials Research Society Symposia Proceedings</i> , <b>2010</b> , 1267, 1		
228	Thermal expansion and melting temperature of the half-Heusler compounds: MNiSn (M=Ti, Zr, Hf). <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 489, 328-331	5.7	75
227	Synthesis and thermoelectric properties of silicon- and manganese-doped Ru <sub>1-x</sub> FexAl <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 493, 17-21	5.7	23
226	Thermoelectric properties of gold telluride: AuTe <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 496, 53-55	5.7	9
225	Synthesis, mechanical and magnetic properties of transition metals-doped Ca <sub>3</sub> Co <sub>3.8</sub> M <sub>0.2</sub> O <sub>9</sub> . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 503, 431-435	5.7	50

224	Thermomechanical properties of calcium series perovskite-type oxides. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 504, 201-204	5-7	23
223	Effect of (Pb,Ge)Te Addition on the Phase Stability and the Thermoelectric Properties of AgSbTe <sub>2</sub> . <i>Materials Research Society Symposia Proceedings</i> , <b>2010</b> , 1267, 1		2
222	High-temperature thermoelectric properties of thallium-filled skutterudites. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 202107	3-4	41
221	Effect of Rh Substitution for Co on the Thermoelectric Properties of CoSb <sub>3</sub> . <i>Materials Transactions</i> , <b>2010</b> , 51, 882-886	1-3	4
220	Thermomechanical Properties of Hafnium Hydride. <i>Journal of Nuclear Science and Technology</i> , <b>2010</b> , 47, 156-159	1	12
219	Oxygen Potential of (Th <sub>0.7</sub> Ce <sub>0.3</sub> )O <sub>2-x</sub> . <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1215, 1		
218	Thermal Conductivity Characterization in Bulk Zn(Mn,Ga)O <sub>4</sub> with Self-Assembled Nanocheckerboard Structures. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 010201	1-4	5
217	Thermal Conductivities of Cs-M-O (M = Mo or U) Ternary Compounds. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1215, 1		
216	Effect of Americium and Simulated Fission Products Addition on Oxygen Potential of Uranium-Plutonium Mixed Oxide Fuels. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1215, 1		
215	Thermal and Mechanical Properties of Hf Hydrides with Various Hydrogen Content. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1215, 1		
214	Mechanical properties at sub-microscale and macroscale of polycrystalline uranium mononitride. <i>Journal of Nuclear Materials</i> , <b>2009</b> , 384, 6-11	3-3	8
213	Thermal and mechanical properties of (U,Er)O <sub>2</sub> . <i>Journal of Nuclear Materials</i> , <b>2009</b> , 389, 115-118	3-3	19
212	Thermoelectric Characterization of (Ga,In) <sub>2</sub> Te <sub>3</sub> with Self-Assembled Two-Dimensional Vacancy Planes. <i>Journal of Electronic Materials</i> , <b>2009</b> , 38, 1392-1396	1-9	26
211	Thermoelectric Properties of TlCu <sub>3</sub> Te <sub>2</sub> and TlCu <sub>2</sub> Te <sub>2</sub> . <i>Journal of Electronic Materials</i> , <b>2009</b> , 38, 1350-1353	3-3	4
210	Solid-State Self-Assembly of Nanostructured Oxide as a Candidate High-Performance Thermoelectric Material. <i>Journal of Electronic Materials</i> , <b>2009</b> , 38, 1303-1308	1-9	2
209	Effect of Nd and Pr addition on the thermal and mechanical properties of (U,Ce)O <sub>2</sub> . <i>Journal of Nuclear Materials</i> , <b>2009</b> , 389, 85-88	3-3	10
208	Thermophysical properties of (U,Y)O <sub>2</sub> . <i>Journal of Nuclear Materials</i> , <b>2009</b> , 389, 155-159	3-3	
207	Fabrication and mechanical characterization of zirconium and gadolinium hydrides. <i>Journal of Nuclear Materials</i> , <b>2009</b> , 389, 170-172	3-3	3

206	Thermophysical properties of several nitrides prepared by spark plasma sintering. <i>Journal of Nuclear Materials</i> , <b>2009</b> , 389, 186-190	3-3	34
205	Thermal transport properties of hafnium hydrides and deuterides. <i>Journal of Nuclear Materials</i> , <b>2009</b> , 392, 464-470	3-3	3
204	Effect of periodicity of the two-dimensional vacancy planes on the thermal conductivity of bulk Ga <sub>2</sub> Te <sub>3</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2009</b> , 3, 221-223	2-5	12
203	Ag <sub>8</sub> SiTe <sub>6</sub> : A New Thermoelectric Material with Low Thermal Conductivity. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 011603	1-4	22
202	High-temperature thermoelectric properties of Nb-doped MNiSn (M = Ti, Zr) half-Heusler compound. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 469, 50-55	5-7	83
201	Effect of Nb substitution for V on the thermoelectric properties of Fe <sub>2</sub> VAl. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 486, 507-510	5-7	16
200	Thermoelectric Properties of the Thallium-Tellurium Binary Compounds. <i>Materials Transactions</i> , <b>2009</b> , 50, 1582-1585	1-3	7
199	Thermal Conductivity of the Ternary Compounds: AgMTe <sub>2</sub> and AgM <sub>5</sub> Te <sub>8</sub> (M = Ga or In). <i>Materials Transactions</i> , <b>2009</b> , 50, 1603-1606	1-3	20
198	Thermal Conductivity of Hafnium Hydride. <i>Journal of Nuclear Science and Technology</i> , <b>2009</b> , 46, 814-818	1	13
197	Unexpectedly low thermal conductivity in natural nanostructured bulk Ga <sub>2</sub> Te <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2008</b> , 93, 012101	3-4	62
196	Mechanical Properties of Ca <sub>0.9</sub> Yb <sub>0.1</sub> MnO <sub>3</sub> /Ag Composites for n-Type Legs of Thermoelectric Oxide Devices. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 6399-6403	1-4	17
195	Substitution effect on the thermoelectric properties of p-type half-Heusler compounds: ErNi <sub>1-x</sub> PdxSb. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 013714	2-5	20
194	Systematic investigation of the thermoelectric properties of TlMTe <sub>2</sub> (M=Ga, In, or Tl). <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 073705	2-5	16
193	Thermoelectric Properties of La-Doped BaSi <sub>2</sub> . <i>Materials Transactions</i> , <b>2008</b> , 49, 1737-1740	1-3	8
192	Thermoelectric Properties of Tl <sub>8</sub> GeTe <sub>5</sub> with Low Thermal Conductivity. <i>Materials Transactions</i> , <b>2008</b> , 49, 1728-1730	1-3	1
191	Thermal and mechanical properties of uranium nitride prepared by SPS technique. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 6429-6434	4-3	42
190	Thermal properties of polycrystalline NdN bulk samples with various porosities. <i>Journal of Nuclear Materials</i> , <b>2008</b> , 376, 83-87	3-3	6
189	Thermal conductivity of titanium dioxide films grown by metal-organic chemical vapor deposition. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 3067-3071	4-4	36

188	Enhancement of thermoelectric efficiency in PbTe by distortion of the electronic density of states. <i>Science</i> , <b>2008</b> , 321, 554-7	33.3	2900
187	Reinvestigation of the thermoelectric properties of Ag <sub>8</sub> GeTe <sub>6</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2008</b> , 2, 65-67	2.5	28
186	High-Thermoelectric Figure of Merit Realized in p-Type Half-Heusler Compounds: ZrCoSn <sub>x</sub> Sb <sub>1-x</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, L673-L675	1.4	64
185	Fabrication and Thermoelectric Properties of Ag <sub>9</sub> TlTe <sub>X</sub> (X=5.0&sim;6.0). <i>Materials Transactions</i> , <b>2007</b> , 48, 2083-2087	1.3	8
184	Effect of Sn doping on the thermoelectric properties of ErNiSb-based p-type half-Heusler compound. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 062115	3.4	33
183	Prediction of oxygen potential in americium thorium oxides phase of a cermet fuel. <i>Journal of Nuclear Materials</i> , <b>2007</b> , 362, 374-382	3.3	5
182	Thermophysical properties of BaY <sub>2</sub> O <sub>4</sub> : A new candidate material for thermal barrier coatings. <i>Materials Letters</i> , <b>2007</b> , 61, 2303-2306	3.3	20
181	Preparation of Nitride Fuel by Spark Plasma Sintering Technique. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1043, 1		2
180	Enhancement of thermoelectric figure of merit of AgTlTe by tuning the carrier concentration. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 023707	2.5	15
179	High-temperature Hall measurements of lanthanide based ternary intermetallics. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 023705	2.5	7
178	Thermoelectric properties of alkaline-earth silicides <b>2007</b> ,		1
177	Thermoelectric properties of BaSi <sub>2</sub> , SrSi <sub>2</sub> , and LaSi. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 063703	2.5	43
176	Thermoelectric properties of p-type half-Heusler compound: Sn-doped ErNiSb <b>2007</b> ,		1
175	Thallium-Free Thermoelectric Materials with Extremely Low Thermal Conductivity. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1044, 1		2
174	Thermophysical Properties of PuO <sub>2</sub> and AmO <sub>2</sub> Solid Solutions Simulated by Molecular Dynamics. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1043, 1		
173	Indentation study of titanium, zirconium, and hafnium hydrides. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1043, 1		1
172	Modeling and Simulation of Thermophysical Properties of Minor Actinides-Containing Oxide Fuels. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1043, 1		
171	Thermal Properties of Simulated High Burn up Nitride Fuels and Nitride ADS Targets. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1043, 1		

170	Thermodynamic Modeling of Plutonium Oxide Containing Americium. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1043, 1		
169	Thermoelectric Properties of La-doped BaSi <sub>2</sub> and (Ba,Sr)Si <sub>2</sub> Solid Solutions. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1044, 1		
168	Thermoelectric Properties of Half-Heusler Type LaPdBi and GdPdBi. <i>Materials Transactions</i> , <b>2007</b> , 48, 2079-2082	1.3	14
167	Thermoelectric Properties of Lanthanide Based Intermetallics. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2007</b> , 54, 370-374	0.2	2
166	Chemical thermodynamic analysis of americium-containing UO <sub>2</sub> and (U,Pu)O <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 428, 355-361	5.7	16
165	Effect of porosity on thermal and electrical properties of polycrystalline bulk ZrN prepared by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 432, 7-10	5.7	65
164	Phase behavior of PuO <sub>2</sub> with addition of 9% Am. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 444-445, 610-613	5.7	16
163	Molecular Dynamics Study on Defect Structure of Gadolinia-Doped Thoria. <i>Journal of Nuclear Science and Technology</i> , <b>2007</b> , 44, 1543-1549	1	6
162	Computer Simulation Makes Atomic-Design of Nuclear Fuel ; Molecular Dynamic Studies of Nuclear Fuels. <i>Atomos</i> , <b>2007</b> , 49, 676-680	0	
161	Molecular Dynamics Studies of Americium-Containing Mixed Oxide Fuels. <i>Journal of Nuclear Science and Technology</i> , <b>2006</b> , 43, 1224-1227	1	9
160	Lanthanide Based Ternary Intermetallics as Advanced Thermoelectric Materials. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 980, 44		
159	Transport properties of niobium doped MNiSn (M = Ti, Zr) <b>2006</b> ,		1
158	<b>2006</b> ,		1
157	LnPdSb (Ln=La,Gd): Promising intermetallics with large carrier mobility for high performance p-type thermoelectric materials. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 092108	3.4	15
156	Thermoelectric properties of Tl <sub>1-x</sub> Me (X=Ge, Sn, and Pb) compounds with low lattice thermal conductivity. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 063705	2.5	31
155	Thermoelectric and thermophysical properties of ErPdX (X=Sb and Bi) half-Heusler compounds. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 103701	2.5	39
154	Effect of carrier doping on the thermal conductivity of MNiSn based half-Heusler alloy <b>2006</b> ,		1
153	Thermoelectric properties of calcium silicides <b>2006</b> ,		5

152	Thermoelectric and Thermophysical Characteristics of Cu <sub>2</sub> Te-Tl <sub>2</sub> Te Pseudo Binary System. <i>Materials Transactions</i> , <b>2006</b> , 47, 1432-1435	1-3	24
151	Thermal and mechanical properties of perovskite-type barium hafnate. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 407, 44-48	5-7	70
150	Thermoelectric power and electrical resistivity of Ag-doped Na <sub>1.5</sub> Co <sub>2</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 407, 314-317	5-7	32
149	Thermoelectric properties of Sn-doped TiCoSb half-Heusler compounds. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 407, 326-329	5-7	69
148	Thermal conductivity analysis of BaUO <sub>3</sub> and BaZrO <sub>3</sub> by semiempirical molecular dynamics simulation. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 407, 49-52	5-7	9
147	Thermoelectric properties of Na <sub>x</sub> Co <sub>2</sub> O <sub>4</sub> /Ag composites. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 414, 293-297	5-7	19
146	Thermal and mechanical properties of polycrystalline BaSnO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 416, 214-217	5-7	91
145	Thermoelectric properties of p-type (AgSbTe <sub>2</sub> ) <sub>x</sub> (Pb <sub>0.5</sub> Sn <sub>0.5</sub> Te) <sub>1-x</sub> (x=0.05, 0.09, 0.2). <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 416, 218-221	5-7	17
144	Effect of sintering temperature on the thermoelectric properties of Na <sub>x</sub> Co <sub>2</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 416, 291-295	5-7	15
143	The low-temperature heat capacity and entropy of SrZrO <sub>3</sub> and BaZrO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 424, 1-3	5-7	19
142	Electrical and thermal properties of titanium hydrides. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 420, 25-28	5-7	43
141	Photoelectrochemical study of lanthanide zirconium oxides, Ln <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> (Ln=La, Ce, Nd and Sm). <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 420, 291-297	5-7	89
140	Physical properties of polycrystalline SrVO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 426, 46-50	5-7	34
139	Effect of electronegativity on the mechanical properties of metal hydrides with a fluorite structure. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 426, 67-71	5-7	16
138	Thermoelectric and Thermophysical Properties of TiCoSb-ZrCoSb-HfCoSb Pseudo Ternary System Prepared by Spark Plasma Sintering. <i>Materials Transactions</i> , <b>2006</b> , 47, 1445-1448	1-3	35
137	Microscale Seebeck Scanning of Polycrystalline Samples of N-Type AgPb <sub>18</sub> SbTe <sub>20</sub> and P-Type AgPb <sub>9</sub> Sn <sub>9</sub> SbTe <sub>20</sub> . <i>Materials Transactions</i> , <b>2006</b> , 47, 1440-1444	1-3	5
136	Substitution Effect on Thermoelectric Properties of ZrNiSn Based Half-Heusler Compounds. <i>Materials Transactions</i> , <b>2006</b> , 47, 1453-1457	1-3	51
135	Compositional Difference of Thermoelectric Properties in Ag <sub>9</sub> TlTe <sub>5</sub> . <i>Materials Transactions</i> , <b>2006</b> , 47, 1938-1940	1-3	8



134	Characterization of simulated burnup fuel by nanoindentation. <i>Journal of Nuclear Materials</i> , <b>2006</b> , 350, 203-207	3-3	7
133	Oxygen potential of (Pu <sub>0.91</sub> Am <sub>0.09</sub> )O <sub>2</sub> . <i>Journal of Nuclear Materials</i> , <b>2006</b> , 357, 69-76	3-3	26
132	Porosity influence on the mechanical properties of polycrystalline zirconium nitride ceramics. <i>Journal of Nuclear Materials</i> , <b>2006</b> , 358, 106-110	3-3	30
131	Study on the formation process of titania nanohole arrays. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 386, 265-269	5-7	17
130	Thermoelectric properties of ZrNiSn based half Heusler compounds <b>2005</b> ,		6
129	Thermoelectric properties of n-type Ag-Pb-Sb-Te compounds <b>2005</b> ,		1
128	Thermoelectric and thermophysical properties of TiCoSb, ZrCoSb, HfCoSb prepared by SPS <b>2005</b> ,		5
127	Nanoindentation tests for TiO <sub>2</sub> , MgO, and YSZ single crystals. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 386, 261-264	5-7	27
126	Electrical properties of Ag <sub>1-x</sub> Pb <sub>18</sub> SbTe <sub>20</sub> (x = 0, 0.1, 0.3). <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 386, 315-318	5-7	22
125	Molecular dynamics studies of neptunium dioxide. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 387, 9-14	5-7	21
124	Thermoelectric properties of Ag <sub>1-x</sub> Pb <sub>18</sub> SbTe <sub>20</sub> (x = 0, 0.1, 0.3). <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 387, 52-55	5-7	34
123	Thermoelectric properties of perovskite type strontium ruthenium oxide. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 387, 56-59	5-7	34
122	Electrical properties of $\delta$ - and $\epsilon$ -Ag <sub>2</sub> Te. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 387, 297-299	5-7	37
121	Thermoelectric properties of $\epsilon$ -BaCu <sub>2</sub> S <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 388, 122-125	5-7	15
120	Thermal and electrical properties of perovskite-type strontium molybdate. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 390, 314-317	5-7	25
119	Thermoelectric properties of stoichiometric Ag <sub>1-x</sub> Pb <sub>18</sub> SbTe <sub>20</sub> (x = 0, 0.1, 0.2). <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 391, 288-291	5-7	34
118	Thermoelectric properties of reduced and La-doped single-crystalline SrTiO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 392, 306-309	5-7	148
117	Thermoelectric properties of $\delta$ - and $\epsilon$ -Ag <sub>2</sub> Te. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 393, 299-301	5-7	69

116	A molecular dynamics study of thorium nitride. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 394, 312-316	5-7	16
115	Annealing effect on thermoelectric properties of TiCoSb half-Heusler compound. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 394, 122-125	5-7	41
114	Extremely low thermal conductivity of AgTlTe. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 395, 304-306	5-7	14
113	Thermal properties of polycrystalline sintered SrY <sub>2</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 395, 318-321	5-7	22
112	A molecular dynamics study of zirconium nitride. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 396, 260-263	5-7	10
111	Thermoelectric properties of Ag <sub>8</sub> GeTe <sub>6</sub> . <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 396, 280-282	5-7	27
110	Oxygen potentials of (U <sub>0.685</sub> Pu <sub>0.270</sub> Am <sub>0.045</sub> )O <sub>2-x</sub> solid solution. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 397, 110-114	5-7	26
109	Effect of spark plasma sintering temperature on thermoelectric properties of (Ti,Zr,Hf)NiSn half-Heusler compounds. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 397, 296-299	5-7	43
108	Thermophysical properties of SrY <sub>2</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 398, 304-308	5-7	19
107	Thermal and electrical properties of zirconium nitride. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 399, 242-244	5-7	40
106	Mechanical properties of Ag-doped Na <sub>1.5</sub> Co <sub>2</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 403, 308-311	5-7	8
105	Thermoelectric Properties of (Ti,Zr,Hf)CoSb Type Half-Heusler Compounds. <i>Materials Transactions</i> , <b>2005</b> , 46, 1481-1484	1-3	40
104	Thermoelectric Properties of Thallium Compounds with Extremely Low Thermal Conductivity. <i>Materials Transactions</i> , <b>2005</b> , 46, 1502-1505	1-3	21
103	Thermoelectric Properties of Lanthanum-Doped Europium Titanate. <i>Materials Transactions</i> , <b>2005</b> , 46, 1466-1469	1-3	17
102	Molecular dynamics studies of actinide nitrides. <i>Journal of Nuclear Materials</i> , <b>2005</b> , 344, 45-49	3-3	14
101	Thermochemical and thermophysical properties of alkaline-earth perovskites. <i>Journal of Nuclear Materials</i> , <b>2005</b> , 344, 61-66	3-3	95
100	Thermodynamic modelling of the (U,Pu,Np)O <sub>2-x</sub> mixed oxide. <i>Journal of Nuclear Materials</i> , <b>2005</b> , 344, 84-88	3-3	8
99	Chemical thermodynamic representation of (U, Pu, Am)O <sub>2-x</sub> . <i>Journal of Nuclear Materials</i> , <b>2005</b> , 344, 230-234	3-3	11

98	Influence of additive elements on the terminal solid solubility of hydrogen for Zirconium alloy. <i>Journal of Nuclear Materials</i> , <b>2005</b> , 344, 291-294	3.3	10
97	Thermal properties of yttrium hydride. <i>Journal of Nuclear Materials</i> , <b>2005</b> , 344, 295-297	3.3	11
96	Thermal properties of titanium hydrides. <i>Journal of Nuclear Materials</i> , <b>2005</b> , 344, 298-300	3.3	24
95	Thermophysical Properties of Perovskite-Type Strontium Cerate and Zirconate. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 1496-1499	3.8	44
94	Thermoelectric Properties of $\text{BaCu}_2\text{S}_2$ . <i>ChemInform</i> , <b>2005</b> , 36, no		1
93	Thermoelectric Properties of $\text{Tl-X-Te}$ (X=Pb, Sn, Ge) Systems. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 886, 1		1
92	High Temperature Thermoelectric Properties of $\text{LnPdX}$ (Ln = lanthanide; X = Sb, Bi) Ternary Compounds. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 886, 1		1
91	$\text{Ag}_9\text{TlTe}_5$ : A high-performance thermoelectric bulk material with extremely low thermal conductivity. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 061919	3.4	209
90	Thermoelectric properties of potassium-doped $\text{BaCu}_2\text{S}_2$ with natural superlattice structure. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 053705	2.5	13
89	Extremely Low Thermal Conductivity Substances as Novel Thermoelectric Materials. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 886, 1		4
88	Thermoelectric Properties of $\text{Tl}_2\text{Te-Sb}_2\text{Te}_3$ Pseudo-Binary System. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 886, 1		
87	Thermoelectric Properties of $\text{Ag-Tl-Te}$ Ternary System. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 886, 1		1
86	Phase relation assessment for $\text{OPuU}$ ternary system. <i>Journal of Nuclear Materials</i> , <b>2004</b> , 326, 185-194	3.3	9
85	Design and development of MH actuator system. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 113, 118-123	3.9	15
84	Thermophysical properties of $\text{SrHfO}_3$ and $\text{SrRuO}_3$ . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3484-3489	3.3	96
83	Molecular Dynamics Studies of Minor Actinide Dioxides. <i>Journal of Nuclear Science and Technology</i> , <b>2004</b> , 41, 827-831	1	13
82	Photoelectrochemical study of hydrogen in Zircalloy-2 oxide films. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 368, 18-21	5.7	1
81	Thermoelectric properties of doped $\text{BaTiO}_3/\text{SrTiO}_3$ solid solution. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 368, 22-24	5.7	104

80	Thermoelectric properties of perovskite type barium molybdate. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 372, 65-69	5-7	39
79	Fabrication of oxide nanohole arrays by a liquid phase deposition method. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 373, 312-315	5-7	32
78	Thermoelectric properties of thallium antimony telluride. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 376, 43-48	5-7	55
77	High temperature thermoelectric properties of $\text{CoNb}_{1-x}\text{Hf}_x\text{Sn}_1-y\text{Sb}_y$ half-Heusler compounds. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 377, 312-315	5-7	11
76	Nanoindentation studies of $\text{UO}_2$ and $(\text{U,Ce})\text{O}_2$ . <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 381, 240-244	5-7	25
75	Thermophysical properties of $\text{NiZrSn}_{1-x}\text{Sb}_x$ half-Heusler compounds. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 381, 9-11	5-7	18
74	Thermal and mechanical properties of $\text{SrHfO}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 381, 295-300	5-7	49
73	Thermoelectric properties of titanium-based half-Heusler compounds. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 384, 51-56	5-7	22
72	High temperature thermoelectric properties of $\text{CoNb}_{1-x}\text{M}_x\text{Sn}$ half-Heusler compounds. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 384, 303-307	5-7	11
71	Electrical properties of $\text{EBaCu}_2\text{S}_2$ . <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 385, 312-315	5-7	13
70	Substitution effect on the thermoelectric properties of alkaline earth titanate. <i>Materials Letters</i> , <b>2004</b> , 58, 3868-3871	3-3	24
69	Nanoindentation of zirconium oxide films prepared near the $\beta/\alpha$ transformation temperature. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 363, 258-261	5-7	1
68	High temperature thermoelectric properties of $\text{NiZrSn}$ half-Heusler compounds. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 364, 59-63	5-7	33
67	High temperature thermoelectric properties of $\text{CoTiSb}$ half-Heusler compounds. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 384, 308-311	5-7	43
66	Thermophysical Properties of $\text{BaZrO}_3$ and $\text{BaCeO}_3$ . <i>ChemInform</i> , <b>2003</b> , 34, no		2
65	Thermodynamic modelling and phase stability assessment of $\text{MO}_2$ oxides with a fluorite structure. <i>Journal of Chemical Thermodynamics</i> , <b>2003</b> , 35, 719-731	2-9	20
64	Thermophysical properties of layered rare earth copper oxides. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 349, 269-272	5-7	8
63	Thermoelectric properties of layered rare earth copper oxides. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 349, 321-324	5-7	32

62	High temperature thermoelectric properties of $(\text{Fe}_{1-x}\text{V}_x)_3\text{Al}$ Heusler type compounds. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 349, 37-40	5-7	19
61	Physical properties of $\text{Mo}_6\text{Ru}_x\text{Te}_8$ and $\text{Mo}_6\text{Te}_8\text{S}_x$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 350, 288-294	5-7	10
60	Thermoelectric properties of rare earth doped $\text{SrTiO}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 350, 292-295	5-7	225
59	Thermoelectric properties of Ni- and Zn-doped $\text{Nd}_2\text{CuO}_4$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 350, 340-343	5-7	13
58	Thermoelectric properties of Chevrel phase $\text{Mo}_6\text{Te}_8\text{S}_x$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 351, 208-211	5-7	18
57	Thermophysical properties of $\text{Tl}_9\text{BiTe}_6$ and $\text{TlBiTe}_2$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 351, 14-17	5-7	21
56	Thermoelectric properties of $\text{TlBiTe}_2$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 351, 279-282	5-7	46
55	High temperature phase transitions of $\text{SrZrO}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 351, 43-46	5-7	61
54	Thermoelectric properties of $\text{Tl}_9\text{BiTe}_6$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 352, 275-278	5-7	65
53	Thermophysical properties of $\text{Fe}_2\text{VAl}$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 352, 48-51	5-7	21
52	Thermal properties of $\text{SrCeO}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 352, 52-56	5-7	19
51	Thermophysical properties of $\text{MoRuRhPd}$ alloys. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 353, 269-273	5-7	21
50	Thermoelectric properties of $\text{Fe}_3\text{Bi}$ Heusler type compounds. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 359, 216-220	5-7	8
49	Heat capacities and thermal conductivities of perovskite type $\text{BaZrO}_3$ and $\text{BaCeO}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 359, 1-4	5-7	66
48	Thermophysical properties of $\text{BaZrO}_3$ and $\text{BaCeO}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 359, 109-113	5-7	157
47	Thermoelectric properties of constantan/spherical $\text{SiO}_2$ and $\text{Al}_2\text{O}_3$ particles composite. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 359, 326-329	5-7	28
46	Hydrogen solubility in uranium intermetallic compounds with $\text{Fe}_2\text{P}$ type structure. <i>Journal of Nuclear Science and Technology</i> , <b>2002</b> , 39, 642-644	1	
45	Thermal conductivity modeling of high burnup MOX fuel. <i>Journal of Nuclear Science and Technology</i> , <b>2002</b> , 39, 862-865	1	

44	Physico-chemical Properties of Fe <sub>2</sub> P-type Uranium Intermetallic Compounds. <i>Journal of Nuclear Science and Technology</i> , <b>2002</b> , 39, 645-648	1	1
43	Phase equilibria in the BaUO <sub>3</sub> -BaZrO <sub>3</sub> -BaMoO <sub>3</sub> system. <i>Journal of Nuclear Science and Technology</i> , <b>2002</b> , 39, 807-810	1	6
42	Thermal conductivities of uranium intermetallic compounds. <i>Journal of Nuclear Science and Technology</i> , <b>2002</b> , 39, 811-814	1	1
41	Electronic states of BaUO <sub>3</sub> . <i>Journal of Nuclear Science and Technology</i> , <b>2002</b> , 39, 784-786	1	1
40	Heat capacities of BaMO <sub>3</sub> . <i>Journal of Nuclear Science and Technology</i> , <b>2002</b> , 39, 823-826	1	8
39	A molecular dynamics study on BaUO <sub>3</sub> . <i>Journal of Nuclear Science and Technology</i> , <b>2002</b> , 39, 815-818	1	7
38	Photoelectrochemical study of hydrogen in zirconium oxide. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 330-332, 645-648	5-7	10
37	Electronic states of hydrogen in zirconium oxide. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 330-332, 307-312	5-7	10
36	Characteristics of zirconium hydride and deuteride. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 330-332, 99-104	5-7	61
35	Analysis of the electronic structure of zirconium hydride. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 330-332, 313-317	5-7	16
34	Thermoelectric properties of Mo <sub>3</sub> Te <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 334, 317-323	5-7	22
33	Thermoelectric properties of Ti- and Sn-doped $\delta$ -Fe <sub>2</sub> O <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 335, 200-202	5-7	28
32	Re-evaluation of the phase relationship between plutonium and zirconium dioxides. <i>Progress in Nuclear Energy</i> , <b>2001</b> , 38, 237-240	2-3	5
31	Thermal properties of Mo <sub>3</sub> Te <sub>4</sub> . <i>Journal of Nuclear Materials</i> , <b>2001</b> , 294, 179-182	3-3	6
30	Molecular dynamics study of mixed oxide fuel. <i>Journal of Nuclear Materials</i> , <b>2001</b> , 294, 160-167	3-3	62
29	Thermal properties of zirconium hydride. <i>Journal of Nuclear Materials</i> , <b>2001</b> , 294, 94-98	3-3	52
28	Thermal conductivity of (U,Ce)O <sub>2</sub> with and without Nd or Zr. <i>Journal of Nuclear Materials</i> , <b>2001</b> , 294, 193-197	3-3	6
27	Some properties of a lead vanado-iodoapatite Pb <sub>10</sub> (VO <sub>4</sub> ) <sub>6</sub> I <sub>2</sub> . <i>Journal of Nuclear Materials</i> , <b>2001</b> , 294, 119-122	3-3	36

26	Thermophysical properties of BaUO <sub>3</sub> . <i>Journal of Nuclear Materials</i> , <b>2001</b> , 294, 99-103	3.3	32
25	Thermoelectric properties of CoSb <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 315, 193-197	5.7	185
24	Thermoelectric properties of NaCo <sub>2</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 315, 234-236	5.7	54
23	A molecular dynamics study on uranium-plutonium mixed nitride. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 319, 253-257	5.7	11
22	Thermoelectric properties of BaUO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 319, 271-275	5.7	43
21	Heat capacity measurement of BaUO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 322, 77-81	5.7	19
20	Mechanical properties of (U,Ce)O <sub>2</sub> with and without Nd or Zr. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 327, 281-284	5.7	11
19	Evaluation of thermal properties of mixed oxide fuel by molecular dynamics. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 307, 1-9	5.7	48
18	Evaluation of thermal properties of uranium dioxide by molecular dynamics. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 307, 10-16	5.7	81
17	A molecular dynamics study of the thermal conductivity of uranium mononitride. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 311, 305-310	5.7	23
16	A molecular dynamics study on plutonium mononitride. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 313, 242-247	5.7	14
15	A molecular dynamics study of the heat capacity of uranium mononitride. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 297, 1-4	5.7	24
14	Measurements of Thermal Rate Constants for the Reactions of N(2D,2P) with C <sub>2</sub> H <sub>4</sub> and C <sub>2</sub> D <sub>4</sub> between 225 and 292 K. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 8650-8656	2.8	23
13	Oxidative dehydrogenation of iso-butane to iso-butene I. Metal phosphate catalysts. <i>Applied Catalysis A: General</i> , <b>1998</b> , 167, 49-56	5.1	44
12	Phase equilibria in the ternary URu <sub>3</sub> -Rh <sub>3</sub> -Pd <sub>3</sub> system. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 271-273, 641-644	5.7	5
11	Formation of the Cu <sub>3</sub> Au type solid solution of UPd <sub>3</sub> by doping a small amount of URu <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 274, 222-228	5.7	0
10	Reactions of uranium nitride with platinum-family metals. <i>Journal of Nuclear Materials</i> , <b>1997</b> , 247, 322-327	3.3	5
9	Molecular Dynamics Studies of Minor Actinide Dioxides		8

8	Molecular Dynamics Studies of Americium-Containing Mixed Oxide Fuels		1
7	Molecular Dynamics Study on Defect Structure of Gadolinia-Doped Thoria		1
6	Thermal Conductivity of Hafnium Hydride		3
5	Thermomechanical Properties of Hafnium Hydride		3
4	Large Anharmonicity and Low Lattice Thermal Conductivity of Thermoelectric Sn(SbTe) <sub>2</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> ,2100482	2.5	0
3	FEM Study of Delayed Hydride Cracking in Zirconium Alloy Fuel Cladding. <i>Ceramic Transactions</i> ,59-69	0.1	
2	AB Initio Study of the Influence of Pressure on the Hydrogen Diffusion Behavior in Zirconium Hydrogen Solid Solution. <i>Ceramic Transactions</i> ,41-49	0.1	
1	Thermophysical Properties of Sintered SrY <sub>2</sub> O <sub>4</sub> and the Related Compounds Applicable to Thermal Barrier Coating Materials. <i>Ceramic Transactions</i> ,77-83	0.1	