Susan M Kauzlarich

List of Publications by Year
in descending order

312 papers	13,450 citations	23879 60 h-index	37326 100 g-index
375 all docs	375 docs citations	375 times ranked	10113 citing authors

#	Article	IF	Citations
1	Dirac lines and loop at the Fermi level in the time-reversal symmetry breaking superconductor LaNiGa2. Communications Physics, 2022, 5, .	2.0	15
2	2 + 2 = 3: Making Ternary Phases through a Binary Approach. Chemistry of Materials, 2022, 34, 1342-1355.	3.2	11
3	Thermoelectric Properties of pâ€‹ and nâ€‹type Eu₅Sn₂As₆. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	2
4	Single-Crystalline Germanium Nanocrystals via a Two-Step Microwave-Assisted Colloidal Synthesis from GeI₄. ACS Materials Au, 2022, 2, 330-342.	2.6	3
5	Study of the Thermoelectric Properties of Bi₂Te₃/Sb₂Te₃ Coreâ€“Shell Heterojunction Nanostructures. ACS Applied Materials & Interfaces, 2022, 14, 24886-24896.	4.0	12
6	Eu₅Al₃Sb₆: Al₄ Tetrahedra Embedded in a Rock-Salt-Like Structure. Chemistry of Materials, 2022, 34, 5009-5019.	3.2	0
7	Ultralow Lattice Thermal Conductivity in Metastable Ag₂GeS₃ Revealed by a Combined Experimental and Theoretical Study. Chemistry of Materials, 2022, 34, 6420-6430.	3.2	1
8	Zintl phases for thermoelectric applications. , 2021, , 157-182.		6
9	The impact of site selectivity and disorder on the thermoelectric properties of Yb₂₁Mn₄Sb₁₈ solid solutions: Yb₂₁Mn_{4â”‘x}Cd_xSb₁₈ and Yb_{21â”‘y}Ca_yMn₄Sb₁₈. Materials Advances, 2021, 2, 5764-5776.	2.6	2
10	Ultralow thermal conductivity through the interplay of composition and disorder between thick and thin layers of makovickyite structure. Journal of Materials Chemistry C, 2021, 9, 11207-11215.	2.7	3
11	Structural Insights on Microwave-Synthesized Antimony-Doped Germanium Nanocrystals. ACS Nano, 2021, 15, 1685-1700.	7.3	7
12	Discovery of multivalley Fermi surface responsible for the high thermoelectric performance in Yb ₁₄ MnSb ₁₁ and Yb ₁₄ MgSb ₁₁. Science Advances, 2021, 7, .	4.7	34
13	Chemical Route to Yb₁₄MgSb₁₁ Composites with Nanosized Iron Inclusions for the Reduction of Thermal Conductivity. ACS Applied Energy Materials, 2021, 4, 3748-3756.	2.5	6
14	Deconvoluting the Magnetic Structure of the Commensurately Modulated Quinary Zintl Phase Eu_{11â€“x}Sr_xZn₄Sn₂As₁₂. Inorganic Chemistry, 2021, 60, 5711-5723.	1.9	6
15	Structural Characterization of Oleylamine- and Dodecanethiol-Capped Ge_{1â€“x}Sn_x Alloy Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 6401-6417.	1.5	6
16	Correction to Improved Power Factor and Mechanical Properties of Composites of Yb14MgSb11 with Iron. ACS Applied Energy Materials, 2021, 4, 4270-4270.	2.5	0
17	Microwave Synthesis of Hematene and Other Two-Dimensional Oxides. , 2021, 3, 631-640.		35
18	Crystal structure characterization and electronic structure of a rare-earth-containing Zintl phase in the Ybâ€“Alâ€“Sb family: Yb₃AlSb₃. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 281-285.	0.2	3

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19	Solid Solution Yb2â€“xCaxCdSb2: Structure, Thermoelectric Properties, and Quality Factor. Inorganic Chemistry, 2021, 60, 13596-13606.	1.9	11
20	Evolution of Thermoelectric Properties in the Triple Cation Zintl Phase: Yb_{13â€“x}Ca_xBaMgSb₁₁ (x = 1â€“6). Chemistry of Materials, 2021, 33, 8059-8069.	3.2	9
21	Robust antiferromagnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 104, .	1.1	2
22	Recent developments in germanium containing clusters in intermetallics and nanocrystals. Chemical Society Reviews, 2021, 50, 13236-13252.	18.7	2
23	Improved Power Factor and Mechanical Properties of Composites of Yb₁₄MgSb₁₁ with Iron. ACS Applied Energy Materials, 2020, 3, 2147-2159.	2.5	15
24	Ambient and High Pressure CuNiSb2: Metal-Ordered and Metal-Disordered NiAs-Type Derivative Pnictides. Inorganic Chemistry, 2020, 59, 14058-14069.	1.9	0
25	Measured and simulated thermoelectric properties of FeAs_{2â^'x}Se_x (x =) Tj ETQq1 1 0.784314 rgBT /O	2.6	0
26	Ge Nanocages and Nanoparticles via Microwave-Assisted Galvanic Replacement for Energy Storage Applications. ACS Applied Nano Materials, 2020, 3, 5509-5520.	2.4	2
27	Diorganyl Dichalcogenides as Surface Capping Ligands for Germanium Nanocrystals. Organometallics, 2020, 39, 995-1005.	1.1	4
28	Size, disorder, and charge doping effects in the antiferromagnetic series Eu1-AGa4 (A = Ca, Sr, or La). Journal of Solid State Chemistry, 2020, 285, 121232.	1.4	1
29	Surface coordination chemistry of germanium nanocrystals synthesized by microwave-assisted reduction in oleylamine. Nanoscale, 2020, 12, 2764-2772.	2.8	11
30	Characterizing Bismuth Doping of Colloidal Germanium Quantum Dots for Energy Conversion Applications. ACS Applied Nano Materials, 2020, 3, 5410-5420.	2.4	5
31	Enhancement of the Thermal Stability and Thermoelectric Properties of Yb₁₄MnSb₁₁ by Ce Substitution. Chemistry of Materials, 2020, 32, 9268-9276.	3.2	15
32	Intermediate Yb valence in the Zintl phases <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Yb</mml:mi><mml:mn>14</mml:mn></mml:msub><mml:msub><mml:mi>Mn</mml:mi><mml:mn></mml:mn></mml:msub></mml:mrow></mml: : XANES, magnetism, and heat capacity. Physical Review Materials, 2020, 4, .	3.1	12
33	Halogen-Induced Crystallinity and Size Tuning of Microwave Synthesized Germanium Nanocrystals. Chemistry of Materials, 2019, 31, 7510-7521.	3.2	13
34	Ambipolar Topological Insulator and High Carrier Mobility in Solution Grown Ultrathin Nanoplates of Sb-Doped Bi₂Se₃. ACS Applied Electronic Materials, 2019, 1, 1917-1923.	2.0	11
35	Structural Complexity and High Thermoelectric Performance of the Zintl Phase: Yb₂₁Mn₄Sb₁₈. Chemistry of Materials, 2019, 31, 8076-8086.	3.2	28
36	The remarkable crystal chemistry of the Ca14AlSb11 structure type, magnetic and thermoelectric properties. Journal of Solid State Chemistry, 2019, 271, 88-102.	1.4	56

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37	Zintl Phases as Reactive Precursors for Synthesis of Novel Silicon and Germanium-Based Materials. Materials, 2019, 12, 1139.	1.3	38
38	Seebeck and Figure of Merit Enhancement by Rare Earth Doping in Yb14-xRExZnSb11 (x = 0.5). Materials, 2019, 12, 731.	1.3	21
39	Hydride assisted synthesis of the high temperature thermoelectric phase: Yb14MgSb11. Journal of Applied Physics, 2019, 126, .	1.1	22
40	Hydride Synthesis and Thermoelectric Properties of Type-I Clathrate K8E8Ge38(E = Al, Ga, In). Inorganic Chemistry, 2019, 58, 1442-1450.	1.9	13
41	Thermal air-oxidized coating on Yb14â^'xRExMnSb11 ceramics. Journal of Thermal Analysis and Calorimetry, 2019, 136, 541-548.	2.0	10
42	Influence of YbP on the thermoelectric properties of n-type P doped Si95Ge5 alloy. Journal of Alloys and Compounds, 2018, 745, 624-630.	2.8	9
43	Solvent Effects on Growth, Crystallinity, and Surface Bonding of Ge Nanoparticles. Inorganic Chemistry, 2018, 57, 5299-5306.	1.9	20
44	High Seebeck Coefficient and Unusually Low Thermal Conductivity Near Ambient Temperatures in Layered Compound Yb_{2â€“x}Eu_xCdSb₂. Chemistry of Materials, 2018, 30, 484-493.	3.2	45
45	Single crystal growth and magnetic properties of the mixed valent Yb containing Zintl phase, Yb₁₄MgSb₁₁. Chemical Communications, 2018, 54, 12946-12949.	2.2	17
46	Superconductor-in-an-Hour: Spark Plasma Synthesis of Co- and Ni-Doped BaFe2As2. Chemistry of Materials, 2018, 30, 8883-8890.	3.2	13
47	Eu11Zn4Sn2As12: A Ferromagnetic Zintl Semiconductor with a Layered Structure Featuring Extended Zn4As6 Sheets and Ethane-like Sn2As6 Units. Chemistry of Materials, 2018, 30, 7067-7076.	3.2	12
48	Charge density wave behavior and order-disorder in the antiferromagnetic metallic series<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Eu</mml:mi><mml:mo>(</mml:mo><mml:msub><mml:mi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (mathv	1.1	16
49	Physical Review B, 2018, 97, . Optimization of Ca14MgSb11 through Chemical Substitutions on Sb Sites: Optimizing Seebeck Coefficient and Resistivity Simultaneously. Crystals, 2018, 8, 211.	1.0	9
50	Thermoelectric Properties of CoAsSb: An Experimental and Theoretical Study. Chemistry of Materials, 2018, 30, 4207-4215.	3.2	5
51	Yb₁₄MgBi₁₁: structure, thermoelectric properties and the effect of the structure on low lattice thermal conductivity. Dalton Transactions, 2017, 46, 3996-4003.	1.6	19
52	EPR and Structural Characterization of Water-Soluble Mn2+-Doped Si Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 1948-1956.	1.5	8
53	Bismuth Doping of Germanium Nanocrystals through Colloidal Chemistry. Chemistry of Materials, 2017, 29, 7353-7363.	3.2	26
54	A new solid solution compound with the Sr21Mn4Sb18 structure type: Sr13Eu8Cd3Mn1Sb18. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, .	0.4	1

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55	Microstructure investigations of Yb- and Bi-doped Mg2Si prepared from metal hydrides for thermoelectric applications. Journal of Solid State Chemistry, 2017, 245, 152-159.	1.4	20
56	Thermoelectric Properties of Zintl Antimonides. Fundamental Theories of Physics, 2016, , 177-208.	0.1	18
57	Earth Abundant Element Type I Clathrate Phases. Materials, 2016, 9, 714.	1.3	6
58	Tuning Thermoelectric Properties of Type I Clathrate K_{8â€“x}Ba_xAl_{8+x}Si_{38â€“x} through Barium Substitution. Chemistry of Materials, 2016, 28, 3099-3107.	3.2	26
59	Sacrificial Silver Nanoparticles: Reducing GeI₂ To Form Hollow Germanium Nanoparticles by Electroless Deposition. ACS Nano, 2016, 10, 5391-5397.	7.3	15
60	Tuning Magnetism of [MnSb₄]^{9â€“} Cluster in Yb₁₄MnSb₁₁ through Chemical Substitutions on Yb Sites: Appearance and Disappearance of Spin Reorientation. Journal of the American Chemical Society, 2016, 138, 12422-12431.	6.6	41
61	Synthesis, Characterization, and Low Temperature Transport Properties of Eu11â€“xYbxCd6Sb12 Solid-Solution Zintl Phases. Inorganic Chemistry, 2016, 55, 12230-12237.	1.9	7
62	Synthesis and Thermoelectric Properties of the YbTe-YbSb System. Journal of Electronic Materials, 2016, 45, 779-785.	1.0	4
63	Magnetic remanence in Yb14â^'RE MnSb11 (RE=Tb, Dy, Ho) single crystals. Journal of Solid State Chemistry, 2016, 238, 321-326.	1.4	5
64	Effects of Sc and Y substitution on the structure and thermoelectric properties of Yb14MnSb11. Journal of Solid State Chemistry, 2016, 242, 55-61.	1.4	24
65	Zintl Phases: Recent Developments in Thermoelectrics and Future Outlook. RSC Energy and Environment Series, 2016, , 1-26.	0.2	21
66	Magnetic and structural effects of partial Ce substitution in Y b14MnSb11. APL Materials, 2015, 3, .	2.2	21
67	High Temperature Thermoelectric Properties of the Solid-Solution Zintl Phase Eu₁₁Cd_{6â€“x}Zn_xSb₁₂. Chemistry of Materials, 2015, 27, 4413-4421.	3.2	47
68	Structure and Magnetic Properties of Ce3(Ni/Al/Ga)11â€”A New Phase with the La3Al11 Structure Type. Crystals, 2015, 5, 1-8.	1.0	1
69	Silicon Nanoparticles by the Oxidation of [Si₄]^{4â€“}- and [Si₉]^{4â€“}-Containing Zintl Phases and Their Corresponding Yield. Inorganic Chemistry, 2015, 54, 396-401.	1.9	27
70	Yb₁₄MgSb₁₁ and Ca₁₄MgSb₁₁â€”New Mg-Containing Zintl Compounds and Their Structures, Bonding, and Thermoelectric Properties. Chemistry of Materials, 2015, 27, 343-351.	3.2	89
71	Probing Electronics as a Function of Size and Surface of Colloidal Germanium Nanocrystals. Journal of Physical Chemistry C, 2015, 119, 5671-5678.	1.5	16
72	Synthesis, Structure, Thermoelectric Properties, and Band Gaps of Alkali Metal Containing Type I Clathrates: A₈Ga₈Si₃₈ (A = K, Rb, Cs) and K₈Al₈Si₃₈. Chemistry of Materials, 2015, 27, 2812-2820.	3.2	37

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73	Coinage-Metal-Stuffed Eu₉Cd₄Sb₉: Metallic Compounds with Anomalous Low Thermal Conductivities. Chemistry of Materials, 2015, 27, 7508-7519.	3.2	39
74	High Temperature Thermoelectric Properties of Yb₁₄MnSb₁₁ Prepared from Reaction of MnSb with the Elements. Chemistry of Materials, 2015, 27, 5791-5798.	3.2	71
75	The effect of light rare earth element substitution in Yb₁₄MnSb₁₁on thermoelectric properties. Journal of Materials Chemistry C, 2015, 3, 10566-10573.	2.7	40
76	Thermoelectric Properties of Ba_{1.9}Ca_{2.4}Mg_{9.7}Si₇: A New Silicide Zintl Phase with the Zr₂Fe₁₂P₇ Structure Type. Chemistry of Materials, 2015, 27, 6708-6716.	3.2	14
77	Effect of Isovalent Substitution on the Structure and Properties of the Zintl Phase Solid Solution Eu₇Cd₄Sb_{8â€“x}As_x (2 â‰¤ x â‰¤ 5). Inorganic Chemistry, 2015, 54, 11767-11775.	1.9	9
78	Eu₉Cd_{4â€“x}CM_{2+xâ€“y}â–¡_ySb₉: Ca₉Mn₄Bi₉-Type Structure Stuffed with Coinage Metals (Cu, Ag,) Tj ETQq0 0 0 rgBT /Overlock 1 Inorganic Chemistry, 2015, 54, 850-859.	1.9	18
79	One-step low temperature reactive consolidation of high purity nanocrystalline Mg2Si. Journal of Alloys and Compounds, 2015, 625, 251-257.	2.8	23
80	Yb14â^'xTmxMnSb11 (0<x<0.5): Structure and magnetic properties. Journal of Solid State Chemistry, 2014, 211, 206-211.	1.4	21
81	Si-based Earth abundant clathrates for solar energy conversion. Energy and Environmental Science, 2014, 7, 2598-2602.	15.6	31
82	High-Temperature Thermoelectric Properties of the Solidâ€“Solution Zintl Phase Eu11Cd6Sb12â€“xAsx (x <) Tj ETQq0 0 0 rgBT /Overloc	3.2	32
83	Colloidal Synthesis of an Exotic Phase of Silicon: The BC8 Structure. Journal of the American Chemical Society, 2014, 136, 1296-1299.	6.6	56
84	Chemical composition and magnetic property modifications of Na2Ti2Sb2O using PTFE as an alkaliâ€“metal ion extraction reagent. Journal of Fluorine Chemistry, 2014, 168, 189-192.	0.9	3
85	Facile Synthesis of Ba_{1â€“x}K_xFe₂As₂ Superconductors via Hydride Route. Journal of the American Chemical Society, 2014, 136, 16932-16939.	6.6	28
86	Thiol-Capped Germanium Nanocrystals: Preparation and Evidence for Quantum Size Effects. Chemistry of Materials, 2014, 26, 2138-2146.	3.2	36
87	Glass-like lattice thermal conductivity and high thermoelectric efficiency in Yb₉Mn_{4.2}Sb₉. Journal of Materials Chemistry A, 2014, 2, 215-220.	5.2	109
88	Thermochemistry, Morphology, and Optical Characterization of Germanium Allotropes. Chemistry of Materials, 2014, 26, 3263-3271.	3.2	23
89	Light Element Group 13â€“14 Clathrate Phases. Springer Series in Materials Science, 2014, , 227-248.	0.4	2
90	Phase Characterization, Thermal Stability, High-Temperature Transport Properties, and Electronic Structure of Rare-Earth Zintl Phosphides Eu₃M₂P₄ (M = Ga, In). Inorganic Chemistry, 2013, 52, 3787-3794.	1.9	13

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91	Red States versus Blue States in Colloidal Silicon Nanocrystals: Exciton Sequestration into Low-Density Traps. Journal of Physical Chemistry Letters, 2013, 4, 3806-3812.	2.1	44
92	Facile Synthesis of Germanium Nanoparticles with Size Control: Microwave versus Conventional Heating. Chemistry of Materials, 2013, 25, 1416-1422.	3.2	86
93	Crystal structure, magnetism and transport properties of Ce3Ni25.75Ru3.16Al4.1B10. Journal of Solid State Chemistry, 2013, 205, 154-159.	1.4	1
94	Chemical Insight into the Origin of Red and Blue Photoluminescence Arising from Freestanding Silicon Nanocrystals. ACS Nano, 2013, 7, 2676-2685.	7.3	267
95	Synthesis of Long T₁ Silicon Nanoparticles for Hyperpolarized ²⁹Si Magnetic Resonance Imaging. ACS Nano, 2013, 7, 1609-1617.	7.3	73
96	Preface to the Chemistry of Materials Special Issue: Synthetic and Mechanistic Advances in Nanocrystal Growth. Chemistry of Materials, 2013, 25, 1153-1154.	3.2	1
97	Cytotoxicity of surface-functionalized silicon and germanium nanoparticles: the dominant role of surface charges. Nanoscale, 2013, 5, 4870.	2.8	161
98	Synthesis and characterization of P-doped amorphous and nanocrystalline Si. Polyhedron, 2013, 58, 156-161.	1.0	11
99	Quantum dot Ge/TiO₂ heterojunction photoconductor fabrication and performance. Applied Physics Letters, 2013, 103, 223506.	1.5	24
100	Synthesis and characterization of Mg2Si/Si nanocomposites prepared from MgH2 and silicon, and their thermoelectric properties. Journal of Materials Chemistry, 2012, 22, 24805.	6.7	54
101	Crystal structure and chemical bonding of the intermetallic Zintl phase Yb11AlSb9. Dalton Transactions, 2012, 41, 10347.	1.6	18
102	Magnetic and transport properties of Te doped Yb14MnSb11. Journal of Materials Chemistry, 2012, 22, 14378.	6.7	26
103	An efficient microwave-assisted synthesis method for the production of water soluble amine-terminated Si nanoparticles. Nanotechnology, 2012, 23, 294006.	1.3	34
104	Crystal Structure and a Giant Magnetoresistance Effect in the New Zintl Compound Eu₃Ga₂P₄. Inorganic Chemistry, 2012, 51, 2860-2866.	1.9	18
105	Development of Iron-Doped Silicon Nanoparticles As Bimodal Imaging Agents. ACS Nano, 2012, 6, 5596-5604.	7.3	62
106	Phase Range of the Type-I Clathrate Sr₈Al_xSi_{46â€“x} and Crystal Structure of Sr₈Al₁₀Si₃₆. Inorganic Chemistry, 2012, 51, 4161-4169.	1.9	29
107	Neutron Diffraction Study of the Type I Clathrate Ba₈Al_xSi_{46â€“x}: Site Occupancies, Cage Volumes, and the Interaction between the Guest and the Host Framework. Inorganic Chemistry, 2012, 51, 1805-1812.	1.9	35
108	Crystal structure and thermoelectric properties of clathrate, Ba8Ni3.5Si42.0: Small cage volume and large disorder of the guest atom. Journal of Solid State Chemistry, 2012, 192, 102-108.	1.4	7

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109	Elemental Substitution in Yb14MnSb11: Structure and Thermoelectric Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1549-1549.	0.6	0
110	Thermoelectric Properties of Yb-Doped Mg2Si. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1559-1559.	0.6	0
111	Crystal Structure, Magnetic and Transport Properties of CeRu_{1â€“x}Ni_xAl (x = 0.5). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1996-2000.	0.6	6
112	Rapid microwave-assisted synthesis of dextran-coated iron oxide nanoparticles for magnetic resonance imaging. Nanotechnology, 2012, 23, 215602.	1.3	83
113	Enhanced High-Temperature Thermoelectric Performance of Yb_{14â€“x}Ca_xMnSb₁₁. Inorganic Chemistry, 2012, 51, 7617-7624.	1.9	40
114	2011 Celebrations and Chemistry of Materials. Chemistry of Materials, 2011, 23, 1-2.	3.2	2
115	PET Imaging and Biodistribution of Silicon Quantum Dots in Mice. ACS Medicinal Chemistry Letters, 2011, 2, 285-288.	1.3	115
116	Multi-temperature Synchrotron Powder X-ray Diffraction Study and Hirshfeld Surface Analysis of Chemical Bonding in the Thermoelectric Zintl Phase Yb₁₄MnSb₁₁. Chemistry of Materials, 2011, 23, 3723-3730.	3.2	29
117	Femtosecond Ligand/Core Dynamics of Microwave-Assisted Synthesized Silicon Quantum Dots in Aqueous Solution. Journal of the American Chemical Society, 2011, 133, 20664-20667.	6.6	88
118	Synthesis and Thermal Stability Studies of CaFe4As3. European Journal of Inorganic Chemistry, 2011, 2011, 3920-3925.	1.0	9
119	Polar Intermetallics, Clusters and Cluster Complexes (Eur. J. Inorg. Chem. 26/2011). European Journal of Inorganic Chemistry, 2011, 2011, 3819-3820.	1.0	10
120	Crystal structure, characterization and thermoelectric properties of the type-I clathrate Ba8â^'ySryAl14Si32 (0.6â‰¤yâ‰¤1.3) prepared by aluminum flux. Journal of Solid State Chemistry, 2011, 184, 1176-1185.	1.4	30
121	Phase stability and chemical composition dependence of the thermoelectric properties of the type-I clathrate Ba8AlxSi46â^'x (8â‰¤xâ‰¤15). Journal of Solid State Chemistry, 2011, 184, 1293-1303.	1.4	67
122	High Temperature Thermoelectric Properties of Yb_{14â€“<I>x</I>}Ca_{<I>x</I>}MnSb₁₁ Made by Reaction of the Elements. Science of Advanced Materials, 2011, 3, 646-651.	0.1	19
123	The Effect of Tm Substitution on the Thermoelectric Performance of Yb₁₄MnSb₁₁. Science of Advanced Materials, 2011, 3, 652-658.	0.1	19
124	Effect of Ca Doping on the Thermoelectric Performance of Yb14MnSb11. Journal of Electronic Materials, 2010, 39, 1373-1375.	1.0	38
125	Synthesis and spectroscopic characterization of P-doped Na4Si4. Journal of Solid State Chemistry, 2010, 183, 2522-2527.	1.4	13
126	Weak coupling magnetism in Ce₄Pt₁₂Sn₂₅: a small exchange limit in the Doniach phase diagram. Journal of Physics Condensed Matter, 2010, 22, 065601.	0.7	4

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127	Hydrogen-Capped Silicon Nanoparticles as a Potential Hydrogen Storage Material: Synthesis, Characterization, and Hydrogen Release. Chemistry of Materials, 2010, 22, 487-493.	3.2	55
128	Synthesis and Characterization of K_{8â^'x}(H₂)_ySi₄₆. Inorganic Chemistry, 2010, 49, 815-822.	1.9	28
129	High-Temperature Transport Properties of the Zintl Phases Yb₁₁GaSb₉ and Yb₁₁InSb₉. Chemistry of Materials, 2010, 22, 935-941.	3.2	37
130	Paramagnetic, Silicon Quantum Dots for Magnetic Resonance and Two-Photon Imaging of Macrophages. Journal of the American Chemical Society, 2010, 132, 2016-2023.	6.6	148
131	Decomposition Pathway of Ammonia Borane on the Surface of Nano-BN. Journal of Physical Chemistry C, 2010, 114, 13935-13941.	1.5	39
132	Preface to Chemistry of Materials Special Issue on The Materials Chemistry of Energy Conversion. Chemistry of Materials, 2010, 22, 585-586.	3.2	1
133	Synthesis, structure, magnetism, and high temperature thermoelectric properties of Ge doped Yb14MnSb11. Dalton Transactions, 2010, 39, 1055-1062.	1.6	37
134	Fermi-liquid state and enhanced electron correlations in the iron pnictide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaFe</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:m Physical Review B, 2009, 80, .	1.1	17
135	Enthalpies of formation of CdS_xSe_{1â€“x}solid solutions. Journal of Materials Research, 2009, 24, 1368-1374.	1.2	20
136	Flux growth and structure of two compounds with the EuIn₂P₂structure type,AIn₂P₂(A= Ca and Sr), and a new structure type, BaIn₂P₂. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, i69-i73.	0.4	17
137	Structure and high-temperature thermoelectric properties of SrAl2Si2. Journal of Solid State Chemistry, 2009, 182, 240-245.	1.4	47
138	Structure, Heat Capacity, and High-Temperature Thermal Properties of Yb₁₄Mn_{1â^'x}Al_xSb₁₁. Chemistry of Materials, 2009, 21, 1354-1360.	3.2	92
139	Magnetism and Negative Magnetoresistance of Two Magnetically Ordering, Rare-Earth-Containing Zintl phases with a New Structure Type: EuGa2Pn2 (Pn = P, As). Chemistry of Materials, 2009, 21, 4480-4489.	3.2	41
140	Promotion of Hydrogen Release from Ammonia Borane with Mechanically Activated Hexagonal Boron Nitride. Journal of Physical Chemistry C, 2009, 113, 1098-1103.	1.5	89
141	A versatile low temperature synthetic route to Zintl phase precursors: Na4Si4, Na4Ge4 and K4Ge4 as examples. Dalton Transactions, 2009, , 10250.	1.6	46
142	Functionalization of Silicon Nanoparticles via Silanization: Alkyl, Halide and Ester. Journal of Cluster Science, 2008, 19, 341-355.	1.7	46
143	Traversing the Metalâ€Insulator Transition in a Zintl Phase: Rational Enhancement of Thermoelectric Efficiency in Yb₁₄Mn_{1â^'x}Al_xSb₁₁. Advanced Functional Materials, 2008, 18, 2795-2800.	7.8	294
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