Holger Kleinke

List of Publications by Year
in descending order

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158 papers	3,428 citations	147801 31 h-index	206112 48 g-index
176 all docs	176 docs citations	176 times ranked	2480 citing authors

#	Article	IF	Citations
1	Transport properties of a molybdenum antimonide-telluride with dispersed NiSb nanoparticles. Materials Chemistry and Physics, 2021, 260, 124061.	4.0	1
2	Crystal Structure and Physical Properties of the Lanthanum Chalcoantimonate TlLa 2 Sb 3 Se 9. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 81-85.	1.2	0
3	Thermoelectric Properties of Hot-Pressed Ba3Cu14â^ÎTe12. Inorganic Chemistry, 2021, 60, 12781-12789.	4.0	4
4	Stability and Thermoelectric Properties of the Canfieldite Ag₈SnS₆. ACS Applied Energy Materials, 2021, 4, 10244-10251.	5.1	3
5	Thermoelectric properties of zinc-doped Cu5Sn2Se7 and Cu5Sn2Te7. Dalton Transactions, 2021, 50, 6561-6567.	3.3	7
6	La12Sb9S38: a new semiconducting lanthanum antimony polysulfide with a mixed La/Sb site. Journal of Materials Chemistry C, 2021, 9, 6553-6559.	5.5	1
7	Thermoelectric properties of Sb-doped tin oxide by a one-step solid-state reaction. Ceramics International, 2021, , .	4.8	1
8	Advancing the reliability of thermoelectric materials: A case study of silicides through statistics. Applied Physics Letters, 2021, 119, 193903.	3.3	5
9	Large Scale Solid State Synthetic Technique for High Performance Thermoelectric Materials: Magnesium-Silicide-Stannide. ACS Applied Energy Materials, 2020, 3, 2130-2136.	5.1	19
10	Effect of Pb Substitution in Sr_{2-x}Pb_xGeSe₄ on Crystal Structures and Nonlinear Optical Properties Predicted by DFT Calculations. Inorganic Chemistry, 2020, 59, 15028-15035.	4.0	10
11	Virtual Special Issue: Materials for Thermoelectric Energy Conversion. ACS Applied Materials & Interfaces, 2020, 12, 47113-47114.	8.0	3
12	Thermoelectric Nanomaterials. , 2019, , 349-358.		4
13	BaCuSiTe₃: A Noncentrosymmetric Semiconductor with CuTe₄ Tetrahedra and Ethane-like Si₂Te₆ Units. Inorganic Chemistry, 2019, 58, 11656-11663.	4.0	7
14	Thermoelectric properties and stability of Ba3Cu16â€‰â^'â€‰xSe11â€‰â^'â€‰yTey. Journal of Applied Physics, 2019, 126, 025109.	2.5	5
15	Effects of Ta Substitution on the Microstructure and Transport Properties of Hf-Doped NbFeSb Half-Heusler Thermoelectric Materials. ACS Applied Energy Materials, 2019, 2, 8244-8252.	5.1	10
16	Ultralow thermal conductivity of Tl₄Ag₁₈Te₁₁. Journal of Materials Chemistry C, 2019, 7, 8029-8036.	5.5	10
17	Effect of mixed occupancies on the thermoelectric properties of BaCu_{6â^'x}Se_{1â^'y}Te_{6+y} polychalcogenides. Dalton Transactions, 2019, 48, 9357-9364.	3.3	7
18	Thermoelectric properties of TlSbTe2 doped with In and Yb. Journal of Alloys and Compounds, 2019, 795, 1-7.	5.5	2

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19	Thermoelectric and Mechanical Properties of Environmentally Friendly Mg₂Si_{0.3}Sn_{0.67}Bi_{0.03}/SiC Composites. ACS Applied Materials & Interfaces, 2019, 11, 45629-45635.	8.0	15
20	Chalcogenides as thermoelectric materials. Journal of Solid State Chemistry, 2019, 270, 273-279.	2.9	121
21	Effect of addition of SiC and Al2O3 refractories on Kapitza resistance of antimonide-telluride. AIP Advances, 2018, 8, .	1.3	12
22	High thermoelectric performance of Ba3Cu16â^'x(S,Te)11. Journal of Materials Chemistry C, 2018, 6, 13043-13048.	5.5	8
23	Thermoelectric properties of Ni0.05Mo3Sb5.4Te1.6 composites with NiSb nanocoating. AIP Advances, 2018, 8, .	1.3	4
24	Thermoelectric Properties of Bi-Doped Magnesium Silicide Stannides. ACS Applied Materials & Interfaces, 2018, 10, 40585-40591.	8.0	22
25	A New Material with a Composite Crystal Structure Causing Ultralow Thermal Conductivity and Outstanding Thermoelectric Properties: Tl₂Ag₁₂Te_{7+Î´}. Journal of the American Chemical Society, 2018, 140, 8578-8585.	13.7	33
26	Tl₂Ag₁₂Se₇: A New pnp Conduction Switching Material with Extraordinarily Low Thermal Conductivity. Chemistry of Materials, 2017, 29, 9565-9571.	6.7	18
27	Crystal and electronic structure of the new quaternary sulfides Tl Ln Ag 2 S 3 (Ln = Nd, Sm and Gd). Journal of Solid State Chemistry, 2017, 256, 6-9.	2.9	7
28	A Polyselenide with a Novel Se78-Unit: the Structure of Sr19-xPbxGe11Se44withx= 5.0 and 6.4. European Journal of Inorganic Chemistry, 2017, 2017, 5515-5520.	2.0	4
29	Thermoelectric properties and thermal stability of layered chalcogenides, TlScQ2, Q = Se, Te. Dalton Transactions, 2017, 46, 17053-17060.	3.3	9
30	Effect of Silicon Carbide Nanoparticles on the Grain Boundary Segregation and Thermoelectric Properties of Bismuth Doped Mg2Si0.7Ge0.3. Journal of Electronic Materials, 2016, 45, 6052-6058.	2.2	19
31	Nano- and Microstructure Engineering: An Effective Method for Creating High Efficiency Magnesium Silicide Based Thermoelectrics. ACS Applied Materials & Interfaces, 2016, 8, 34431-34437.	8.0	58
32	Thermoelectric Properties of Ni_{0.05}Mo₃Sb_{5.4}Te_{1.6} with Embedded SiC and Al₂O₃ Nanoparticles. European Journal of Inorganic Chemistry, 2016, 2016, 853-860.	2.0	9
33	Different site occupancies in substitution variants of Mo3Sb7. Journal of Solid State Chemistry, 2016, 236, 123-129.	2.9	2
34	Pr₃S₂Cl₂[AsS₃]: A Praseodymium(III) Sulfide Chloride Thioarsenate(III) with Double Chains of Condensed [SPr₄]¹⁰⁺ Tetrahedra. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 322-326.	1.2	6
35	Local structure and thermoelectric properties of Mg2Si0.977â^'Ge Bi0.023 (0.1 â©½xâ©½ 0.4). Journal of Alloys and Compounds, 2015, 644, 249-255.	5.5	19
36	Thermoelectric properties of hot-pressed Tl9LnTe6 (Ln=La, Ce, Pr, Nd, Sm, Gd, Tb) and Tl10â^'xLaxTe6 (0.90â©½xâ©½1.05). Journal of Alloys and Compounds, 2015, 630, 37-42.	5.5	21

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37	Effects of additions of carbon nanotubes on the thermoelectric properties of Ni0.05Mo3Sb5.4Te1.6. Journal of Solid State Chemistry, 2015, 226, 164-169.	2.9	20
38	Enhanced figure of merit in Mg₂Si_{0.877}Ge_{0.1}Bi_{0.023}/multi wall carbon nanotube nanocomposites. RSC Advances, 2015, 5, 65328-65336.	3.6	20
39	Molybdenum, Tungsten, and Aluminium Substitution for Enhancement of the Thermoelectric Performance of Higher Manganese Silicides. Journal of Electronic Materials, 2015, 44, 3603-3611.	2.2	34
40	International Round-Robin Study of the Thermoelectric Transport Properties of an n-Type Half-Heusler Compound from 300ÂK to 773ÂK. Journal of Electronic Materials, 2015, 44, 4482-4491.	2.2	49
41	Preparation of pure Higher Manganese Silicides through wet ball milling and reactive sintering with enhanced thermoelectric properties. Intermetallics, 2015, 66, 127-132.	3.9	39
42	Thermoelectric Properties of the Quaternary Chalcogenides BaCu_{5.9}STe₆ and BaCu_{5.9}SeTe₆. Inorganic Chemistry, 2015, 54, 845-849.	4.0	33
43	Thermoelectric properties of Sn- and Pb-doped Tl9BiTe6 and Tl9SbTe6. Journal of Applied Physics, 2014, 116, 183702.	2.5	7
44	Optimization of the Telluride Tl_{10â€“xâ€“y}Sn_xBi_yTe₆ for the TherÂmoelectric Energy Conversion. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 774-780.	1.2	12
45	Magnetic properties of Tl9LnTe6, Ln=Ce, Pr, Tb and Sm. Journal of Alloys and Compounds, 2014, 589, 389-392.	5.5	25
46	Improved Bulk Materials with Thermoelectric Figureâ€ofâ€Merit Greater than 1: Tl_{10â€“x}Sn_xTe₆ and Tl_{10â€“x}Pb_xTe₆. Advanced Energy Materials, 2014, 4, 1400348.	19.5	47
47	Synthesis, crystal structure, electronic structure and electrical conductivity of La3GeSb0.31Se7 and La3SnFe0.61Se7. Solid State Sciences, 2014, 38, 124-128.	3.2	10
48	Sb- and Bi-doped Mg₂Si: location of the dopants, micro- and nanostructures, electronic structures and thermoelectric properties. Dalton Transactions, 2014, 43, 14983-14991.	3.3	55
49	Thermoelectric properties of higher manganese silicide/multi-walled carbon nanotube composites. Dalton Transactions, 2014, 43, 15092-15097.	3.3	31
50	The beneficial influence of tellurium on the thermoelectric properties of Mo3â^'Fe Sb7. Journal of Solid State Chemistry, 2014, 215, 253-259.	2.9	9
51	Thermoelectric properties of composites made of Ni0.05Mo3Sb5.4Te1.6 and fullerene. Journal of Solid State Chemistry, 2013, 203, 25-30.	2.9	18
52	New Layered-Type Quaternary Chalcogenides, Tl₂PbMQ₄ (M = Zr,) Tj ETQq0 0 0 rgBT /Overlock Chemistry, 2013, 52, 13869-13874.	4.0	14
53	Effects of Cation Site Substitutions on the Thermoelectric Performance of Layered SnBi₂Te₄ utilizing the Triel Elements Ga, In, and Tl. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2411-2420.	1.2	10
54	Thermoelectric properties of Tl10â^'xLnxTe6, with Ln=Ce, Pr, Nd, Sm, Gd, Tb, Dy, Ho and Er, and 0.25â©½xâ©½1.32. Journal of Alloys and Compounds, 2013, 549, 126-134.	5.5	26

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55	New Quaternary Chalcogenides, Tl18Pb2M7Q25(M= Ti, Zr, and Hf;Q= S and Se): Crystal Structure, Electronic Structure, and Electrical Transport Properties. Inorganic Chemistry, 2013, 52, 1895-1900.	4.0	9
56	Transport Properties of Bulk Thermoelectricsâ€"An International Round-Robin Study, Part I: Seebeck Coefficient and Electrical Resistivity. Journal of Electronic Materials, 2013, 42, 654-664.	2.2	115
57	Transport Properties of Bulk Thermoelectrics: An International Round-Robin Study, Part II: Thermal Diffusivity, Specific Heat, and Thermal Conductivity. Journal of Electronic Materials, 2013, 42, 1073-1084.	2.2	131
58	Enhanced Thermoelectric Properties of Variants of Tl₉SbTe₆ and Tl₉BiTe₆. Chemistry of Materials, 2013, 25, 4097-4104.	6.7	57
59	Crystal Structure and Physical Properties of the New One-Dimensional Metal Ba2Cu7â€"xTe6. Inorganic Chemistry, 2012, 51, 5299-5304.	4.0	7
60	Thermoelectric Properties of Stoichiometric Compounds in the (SnTe)_x(Bi₂Te₃)_y System. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2640-2647.	1.2	36
61	Structures and properties of the ternary thallium chalcogenides Tl2MQ3 (M = Zr, Hf; Q = S, Se). Dalton Transactions, 2012, 41, 9646.	3.3	8
62	Improvements of the thermoelectric properties of PbTe via simultaneous doping with indium and iodine. Journal of Applied Physics, 2012, 111, 063706.	2.5	25
63	Thermoelectric Properties of TlGdQ2 (QÂ=ÂSe, Te) and Tl9GdTe6. Journal of Electronic Materials, 2012, 41, 1662-1666.	2.2	23
64	Cu clusters and chalcogen chalcogen bonds in various copper polychalcogenides. Coordination Chemistry Reviews, 2012, 256, 1377-1383.	18.8	29
65	Structural, Thermal, and Physical Properties of the Thallium Zirconium Telluride Tl2ZrTe3. Chemistry of Materials, 2011, 23, 3886-3891.	6.7	13
66	New Barium Copper Chalcogenides Synthesized Using Two Different Chalcogen Atoms: Ba2Cu6â€"xSTe4and Ba2Cu6â€"xSeyTe5â€"y. Inorganic Chemistry, 2011, 50, 4580-4585.	4.0	19
67	Crystal Structure and Physical Properties of the New Chalcogenides Ba₃Cu_{17â€"x}(S,Te)₁₁ and Ba₃Cu_{17â€"x}(S,Te)_{11.5} with Two Different Cu Clusters. Inorganic Chemistry, 2011, 50, 7831-7837.	4.0	13
68	Crystal Structures, Electronic Structures, and Physical Properties of Tl4MQ4(M = Zr or Hf; Q = S or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.0	14
69	Phase range and physical properties of the thallium tin tellurides Tl10â^'xSnxTe6 (xâ‰2.2). Journal of Alloys and Compounds, 2011, 509, 6768-6772.	5.5	23
70	Crystal structures and thermoelectric properties of the series Tl_{10â^'x}La_xTe₆with 0.2 â‰ x â‰ 1.15. Dalton Transactions, 2011, 40, 862-867.	3.3	21
71	HfSb_{2â€"x}Te_x: The Second New Compound on the Quasiâ€Binary Section HfSb₂â€HfTe₂ with Different Sbâ€"Sb Interactions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2033-2038.	1.2	1
72	Synthesis, Structure, and Thermoelectric Properties of Barium Copper Polychalcogenides with Chalcogenâ€Centered Cu Clusters and Te₂^{2â€"} Dumbbells. European Journal of Inorganic Chemistry, 2011, 2011, 4037-4042.	2.0	18

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73	Synthesis, crystal and electronic structure, and physical properties of the new lanthanum copper telluride La3Cu5Te7. Journal of Solid State Chemistry, 2011, 184, 516-522.	2.9	10
74	Barium manganese(II) selenostannate(IV), BaMnSnSe₄. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, i72-i72.	0.2	4
75	Thermoelectric Properties of New Thallium Tellurides. Materials Research Society Symposia Proceedings, 2011, 1309, 23.	0.1	1
76	Thermoelectric Properties of In-Doped PbTe. Science of Advanced Materials, 2011, 3, 615-620.	0.7	8
77	Crystal structure, electronic structure and electrical conductivity of the antimony selenide BaLaSb2Se6. Solid State Sciences, 2010, 12, 919-923.	3.2	9
78	Crystal Structure and Physical Properties of RbNb4Br11. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 50-53.	1.2	4
79	The metastable mâ€Ba₂SnSe₅ â€“ Synthesis, Phase Transition, Crystal Structure, Structural Relations and Electronic StructureÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1821-1826.	1.2	8
80	Reversible Reconstructive Phase Transition of Ba₂SnSe₅: A New High Temperature Modification with Completely Different Structural Motifs. Inorganic Chemistry, 2010, 49, 1090-1093.	4.0	17
81	Structure Change via Partial Se/Te Substitution: Crystal Structure and Physical Properties of the Telluride Ba₂Cu_{4â^'x}Te₅ in Contrast to the Selenide-Telluride Ba₂Cu_{4â^'x}Se_yTe_{5â^'y}. Inorganic Chemistry, 2010, 49, 6518-6524.	4.0	19
82	Crystal Structure and Physical Properties of the New Antimonide Hf3Cu2Ge3.58Sb1.42. Chemistry of Materials, 2010, 22, 6433-6437.	6.7	6
83	Thermoelectric properties of molybdenum oxides LnMo8O14 (Ln = La, Ce, Pr, Nd and Sm). Journal of Alloys and Compounds, 2010, 489, 353-356.	5.5	7
84	Different clusters within the Ba4M4â^'xA2Te9 (M=Cu, Ag, Au; A=Si, Ge) series: Crystal structures and transport properties. Journal of Alloys and Compounds, 2010, 493, 70-76.	5.5	10
85	New bulk Materials for Thermoelectric Power Generation: Clathrates and Complex Antimonides. Chemistry of Materials, 2010, 22, 604-611.	6.7	273
86	High thermoelectric performance of reduced lanthanide molybdenum oxides densified by spark plasma sintering. Journal of Alloys and Compounds, 2010, 500, 22-25.	5.5	12
87	Crystal structure and physical properties of the new silicide Hf4CuSi4 with planar CuSi4 rectangles. Journal of Materials Chemistry, 2010, 20, 4356.	6.7	2
88	Thermoelectric properties of n-type double substituted SrTiO₃bulk materials. Dalton Transactions, 2010, 39, 1031-1035.	3.3	27
89	Syntheses, crystal structures and thermoelectric properties of two new thallium tellurides: Tl4ZrTe4 and Tl4HfTe4. Journal of Materials Chemistry, 2010, 20, 7485.	6.7	28
90	New Ternary Arsenides for High-Temperature Thermoelectric Applications. Journal of Electronic Materials, 2009, 38, 1030-1036.	2.2	4

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91	Thermoelectric Properties of Heavily Doped n-Type SrTiO3 Bulk Materials. Journal of Electronic Materials, 2009, 38, 1002-1007.	2.2	34
92	Solid State Polyselenides and Polytellurides: A Large Variety of Seâ€“Se and Teâ€“Te Interactions. Molecules, 2009, 14, 3115-3131.	3.8	64
93	Crystal Structure and Physical Properties of the New Selenideâ^'Tellurides Ba3Cu17â^'x(Se,Te)11. Chemistry of Materials, 2009, 21, 88-93.	6.7	17
94	Synthesis and Structural and Physical Properties of New Semiconducting Quaternary Tellurides: Ba₄Ag_{3.95}Ge₂Te₉and Ba₄Cu_{3.71}Ge₂Te₉. Inorganic Chemistry, 2009, 48, 5313-5319.	4.0	15
95	Electronic Structure and Physical Properties of Hf₅Sb₉ containing a Unique T Net of Sb Atoms. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2367-2372.	1.2	6
96	Unusual Sbâ€“Sb bonding in high temperature thermoelectric materials. Journal of Computational Chemistry, 2008, 29, 2134-2143.	3.3	41
97	Structure and physical properties of the new telluride BaAg2Te2 and its quaternary variants BaCuΐ´Ag2â€“Î´Te2. Journal of Solid State Chemistry, 2008, 181, 2024-2030.	2.9	32
98	Crystal structure, electronic structure and physical properties of a new semiconducting thallium antimony selenide: Tl2.35Sb8.65Se14. Solid State Sciences, 2008, 10, 1159-1165.	3.2	5
99	Thermoelectric properties of Nb3Sb2Te5. Journal of Alloys and Compounds, 2008, 448, 148-152.	5.5	9
100	Thermoelectric properties of the new tellurides SrSc2Te4 and BaSc2Te4 in comparison to BaY2Te4. Intermetallics, 2007, 15, 371-376.	3.9	9
101	Square net distortion engineering in the ternary variants of titanium antimonide, Ti2â^'Î´MÎ´Sb (M=Zr, Hf). Intermetallics, 2007, 15, 1071-1077.	3.9	1
102	Structures and Physical Properties of New Semiconducting Polyselenides Ba₂Cu_{Î´}Ag₄₋_{Î´}Se₅ with Unprecedented Linear Se₃⁴⁻ Units. Inorganic Chemistry, 2007, 46, 9906-9911.	4.0	39
103	Structures and Physical Properties of New Semiconducting Gold and Copper Polytellurides:Â Ba7Au2Te14and Ba6.76Cu2.42Te14. Inorganic Chemistry, 2007, 46, 1215-1221.	4.0	22
104	Thermoelectric Properties of Re₃Ge_{0.6}As_{6.4} and Re₃GeAs₆ in Comparison to Mo₃Sb_{5.4}Te_{1.6}. Chemistry of Materials, 2007, 19, 4063-4068.	6.7	22
105	Crystal Structure, Electronic Structure, and Physical Properties of Two New Antimonideâ^'Tellurides:Â ZrSbTe and HfSbTe. Chemistry of Materials, 2007, 19, 1482-1488.	6.7	18
106	Crystal Structure, Electronic Structure, and Physical Properties of Ti1-Î´Mo1+Î´As4and Ti1-Î´Mo1+Î´Sb4. Inorganic Chemistry, 2007, 46, 1459-1463.	4.0	4
107	Thermoelectric Properties of Mo3Sb5.4Te1.6 and Ni0.06Mo3Sb5.4Te1.6. Journal of Electronic Materials, 2007, 36, 727-731.	2.2	19
108	Thermoelectric Properties of the New Polytelluride Ba3Cu14-Î´Te12. Chemistry of Materials, 2006, 18, 3866-3872.	6.7	40

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109	Synthesis, Structure, and Electronic Structure of the Ternary Sulfide La7Sb9S24. Chemistry of Materials, 2006, 18, 1041-1046.	6.7	47
110	Crystal structure, electronic structure and thermoelectric properties of Cu4Sn7S16. Journal of Alloys and Compounds, 2006, 417, 55-59.	5.5	32
111	Crystal and electronic structures and physical properties of two semiconductors: Pb4Sb6Se13 and Pb6Sb6Se17. Intermetallics, 2006, 14, 198-207.	3.9	15
112	Semiconducting representatives of the Ir3Ge7 type: Mo3Sb5Te2, Nb3Sb2Te5, and Re3GeAs6. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 2082-2082.	1.2	0
113	Two new titanium molybdenum arsenides: Ti2MoAs2 and Ti3MoAs3, ternary substitution variants of V3As2 and Î²-V4As3. Journal of Solid State Chemistry, 2006, 179, 464-469.	2.9	4
114	Crystal structure, electronic structure and physical properties of the new low-valent thallium silicon telluride Tl6Si2Te6 in comparison to Tl6Ge2Te6. Journal of Solid State Chemistry, 2006, 179, 2707-2713.	2.9	13
115	Synthesis, structure, and electronic and physical properties of the two SrZrS3 modifications. Solid State Sciences, 2005, 7, 1049-1054.	3.2	70
116	The new semiconducting polychalcogenide Ba2SnSe5 exhibiting units and distorted SnSe6 octahedra. Journal of Solid State Chemistry, 2005, 178, 1087-1093.	2.9	36
117	The First Titanium Molybdenum Antimonide: Ti5.42Mo2.58Sb9, a Substitution Variant of Zr2V6Sb9. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 1924-1928.	1.2	4
118	New Quaternary Barium Copper/Silver Selenostannates:â€‰ Different Coordination Spheres, Metalâ^'Metal Interactions, and Physical Properties. Chemistry of Materials, 2005, 17, 2255-2261.	6.7	92
119	Unique Barium Selenostannateâ^'Selenide:Â Ba7Sn3Se13(and Its Variants Ba7Sn3Se13-ÎTeÎ') with SnSe4Tetrahedra and Isolated Se Anions. Chemistry of Materials, 2005, 17, 4509-4513.	6.7	24
120	Electronic structure and thermoelectric properties of the thioantimonate FePb4Sb6S14. Journal of Alloys and Compounds, 2005, 390, 51-54.	5.5	11
121	From Yellow to Black: New Semiconducting Ba Chalcogeno-Germanates. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 975-979.	0.7	27
122	Crystal and electronic structure of the red semiconductor Ba4LaSbGe3Se13 comprising the complex anion [Ge2Se7â€“Sb2Se4â€“Ge2Se7]14â^'. Journal of Solid State Chemistry, 2004, 177, 2249-2254.	2.9	20
123	T-Shaped Nets of Antimony Atoms in the Binary Antimonide Hf5Sb9. Angewandte Chemie - International Edition, 2004, 43, 5260-5262.	13.8	17
124	The Predicted Structures of the New Pnictides HfMQ in Contrast to ZrMQ (M = Ti, V; Q = P, As). European Journal of Inorganic Chemistry, 2004, 2004, 1183-1189.	2.0	7
125	The Predicted Structures of the New Pnictides HfMQ in Contrast to ZrMQ (M: Ti, V; Q: P, As).. ChemInform, 2004, 35, no.	0.0	0
126	From Yellow to Black: New Semiconducting Ba Chalcogeno-Germanates.. ChemInform, 2004, 35, no.	0.0	0

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127	HfMoSb4, the first nonmetallic early transition metal antimonide. Chemical Communications, 2004, , 2428.	4.1	10
128	Distorted Sb chains in the interlayer region of the antimonide-selenide MoSb2Se. Journal of Materials Chemistry, 2004, 14, 2768.	6.7	2
129	Electronic Structure and Physical Properties of the Semiconducting Polytelluride Ba2SnTe5with a Unique Te54-Unit. Chemistry of Materials, 2004, 16, 4193-4198.	6.7	49
130	Crystal Structure and Physical Properties of a New CuTi2S4Modification in Comparison to the Thiospinel. Inorganic Chemistry, 2004, 43, 6473-6478.	4.0	31
131	Band Gap Tuning in New Strontium Seleno-Stannates. Chemistry of Materials, 2004, 16, 2215-2221.	6.7	30
132	Sn/Sb atom ordering in the ternary stannideâ€“antimonide TiSnSb. Journal of Solid State Chemistry, 2003, 176, 329-337.	2.9	16
133	MAÎ´Sb2-Î´(M = Zr, Hf; A = Si, Ge):Â A New Series of Ternary Antimonides and Not â€œÎ²-ZrSb2â€• Inorganic Chemistry, 2003, 42, 7319-7325.	4.0	18
134	Instabilities in the Linear Sb Atom Chain of the New Binary Antimonide Ti11-xSb8-y. Chemistry of Materials, 2003, 15, 3523-3529.	6.7	13
135	Electronic Structure and Thermoelectric Properties of AxMo3Sb5Te2. Materials Research Society Symposia Proceedings, 2003, 793, 214.	0.1	0
136	Thermoelectric Properties of Early Transition Metal Antimonides. Fundamental Materials Research, 2003, , 89-106.	0.1	1
137	Designing Crystal Structures from Atoms up. Materials Research Society Symposia Proceedings, 2002, 755, 1.	0.1	2
138	Thermoelectric Properties of the Semiconducting Antimonide-Telluride Mo3Sb5-xTe2+x. Materials Research Society Symposia Proceedings, 2002, 730, 1.	0.1	4
139	Zr11Sb18:â€‰ A New Binary Antimonide Exhibiting an Unusual Sb Atom Network with Nonclassical Sbâ^’Sb Bonding. Inorganic Chemistry, 2002, 41, 538-545.	4.0	39
140	Optimization of the thermopower of the antimonide Mo3Sb7 by a partial Sb/Te substitution. Journal of Materials Chemistry, 2002, 12, 345-349.	6.7	89
141	Ti5Sb2.2Se0.8: the first titanium antimonideâ€“selenide. Journal of Alloys and Compounds, 2002, 336, 132-137.	5.5	18
142	Ti4MoAs3 and Ti3.7Mo1.3As3: the predicted structure changes in Ti5As3 by a partial substitution of Mo for Ti. Journal of Alloys and Compounds, 2002, 338, 60-68.	5.5	11
143	Synthesis, Structure, and Thermoelectric Properties of the New Antimonide Sulfide MoSb2S. European Journal of Inorganic Chemistry, 2002, 2002, 591-596.	2.0	11
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#	Article	IF	Citations
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151	Differences and Similarities between the Isotypic AntimonidesMFe1â^'xSb, ScCo1â^'xSb, andMNiSb (M=Zr,) Tj ETQq1 1 0.784314 rgB	2.9	7
152	Metal-rich polyantimonides: internal competition between Mâ€“M and Sbâ€“Sb and heteroatomic Mâ€“Sb interactions in (Zr,V)13Sb10 and (Zr,V)11Sb8 (M = Zr,V). Journal of Materials Chemistry, 1999, 9, 2703-2708.	6.7	27
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