Holger Kleinke

List of Publications by Year
in descending order

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	New bulk Materials for Thermoelectric Power Generation: Clathrates and Complex Antimonides. Chemistry of Materials, 2010, 22, 604-611.	6.7	273
2	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
3	Chalcogenides as thermoelectric materials. Journal of Solid State Chemistry, 2019, 270, 273-279.	2.9	121
4	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
5	New Quaternary Barium Copper/Silver Selenostannates:â€‰ Different Coordination Spheres, Metalâˆ'Metal Interactions, and Physical Properties. Chemistry of Materials, 2005, 17, 2255-2261.	6.7	92
6	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
7	Synthesis, structure, and electronic and physical properties of the two SrZrS3 modifications. Solid State Sciences, 2005, 7, 1049-1054.	3.2	70
8	Solid State Polyselenides and Polytellurides: A Large Variety of Seâ€"Se and Teâ€"Te Interactions. Molecules, 2009, 14, 3115-3131.	3.8	64
9	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
10	Enhanced Thermoelectric Properties of Variants of Tl₉SbTe₆ and Tl₉BiTe₆. Chemistry of Materials, 2013, 25, 4097-4104.	6.7	57
11	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
12	Electronic Structure and Physical Properties of the Semiconducting Polytelluride Ba2SnTe5with a Unique Te54-Unit. Chemistry of Materials, 2004, 16, 4193-4198.	6.7	49
13	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
14	Synthesis, Structure, and Electronic Structure of the Ternary Sulfide La7Sb9S24. Chemistry of Materials, 2006, 18, 1041-1046.	6.7	47
15	Improved Bulk Materials with Thermoelectric Figureâ€ofâ€Merit Greater than 1: Tl_{10â€"<i>x</i>}Sn_{<i>x</i>}Te₆ and Tl_{10â€"<i>x</i>}Pb_{<i>x</i>}Te₆. Advanced Energy Materials, 2014, 4, 1400348.	19.5	47
16	Zr1-xTixSb:â€‰ A Novel Antimonide on the Quasibinary Section ZrSbâˆ'TiSb with a Complex Crystal Structure Exhibiting Linear Sb Chains and Fragments of the TiSb Structure. Journal of the American Chemical Society, 2000, 122, 853-860.	13.7	45
17	Unusual Sbâ€"Sb bonding in high temperature thermoelectric materials. Journal of Computational Chemistry, 2008, 29, 2134-2143.	3.3	41
18	Thermoelectric Properties of the New Polytelluride Ba3Cu14-ÎTe12. Chemistry of Materials, 2006, 18, 3866-3872.	6.7	40

#	Article	IF	Citations
19	Zr11Sb18:â€‰ A New Binary Antimonide Exhibiting an Unusual Sb Atom Network with Nonclassical Sbâˆ'Sb Bonding. Inorganic Chemistry, 2002, 41, 538-545.	4.0	39
20	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
21	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
22	From molecular Sb units to infinite chains, layers, and networks: Sbâ€"Sb interactions in metal-rich antimonides. Chemical Society Reviews, 2000, 29, 411-418.	38.1	37
23	The new semiconducting polychalcogenide Ba2SnSe5 exhibiting units and distorted SnSe6 octahedra. Journal of Solid State Chemistry, 2005, 178, 1087-1093.	2.9	36
24	Thermoelectric Properties of Stoichiometric Compounds in the (SnTe)<i>_x</i>(Bi₂Te₃)<i>_y</i> System. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2640-2647.	1.2	36
25	Thermoelectric Properties of Heavily Doped n-Type SrTiO3 Bulk Materials. Journal of Electronic Materials, 2009, 38, 1002-1007.	2.2	34
26	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
27	Thermoelectric Properties of the Quaternary Chalcogenides BaCu_{5.9}STe₆ and BaCu_{5.9}SeTe₆. Inorganic Chemistry, 2015, 54, 845-849.	4.0	33
28	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
29	Sbâˆ'Sb Interactions in the Hafnium-Rich Antimonide Hf6TiSb4. Inorganic Chemistry, 1999, 38, 2931-2935.	4.0	32
30	Crystal structure, electronic structure and thermoelectric properties of Cu4Sn7S16. Journal of Alloys and Compounds, 2006, 417, 55-59.	5.5	32
31	Structure and physical properties of the new telluride BaAg2Te2 and its quaternary variants BaCuÎ´Ag2â€"Î´Te2. Journal of Solid State Chemistry, 2008, 181, 2024-2030.	2.9	32
32	Crystal Structure and Physical Properties of a New CuTi2S4Modification in Comparison to the Thiospinel. Inorganic Chemistry, 2004, 43, 6473-6478.	4.0	31
33	Thermoelectric properties of higher manganese silicide/multi-walled carbon nanotube composites. Dalton Transactions, 2014, 43, 15092-15097.	3.3	31
34	Band Gap Tuning in New Strontium Seleno-Stannates. Chemistry of Materials, 2004, 16, 2215-2221.	6.7	30
35	Cu clusters and chalcogen chalcogen bonds in various copper polychalcogenides. Coordination Chemistry Reviews, 2012, 256, 1377-1383.	18.8	29
36	A Three-Dimensional Extended Sb Network in the Metallic Antimonides (Mâ€˜,Ti)5Sb8(Mâ€˜ = Zr, Hf, Nb, Mo). Inorganic Chemistry, 2001, 40, 95-100.	4.0	28

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37	Syntheses, crystal structures and thermoelectric properties of two new thallium tellurides: Tl4ZrTe4 and Tl4HfTe4. Journal of Materials Chemistry, 2010, 20, 7485.	6.7	28
38	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
39	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
40	Thermoelectric properties of n-type double substituted SrTiO₃bulk materials. Dalton Transactions, 2010, 39, 1031-1035.	3.3	27
41	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
42	Improvements of the thermoelectric properties of PbTe via simultaneous doping with indium and iodine. Journal of Applied Physics, 2012, 111, 063706.	2.5	25
43	Magnetic properties of Tl9LnTe6, Ln=Ce, Pr, Tb and Sm. Journal of Alloys and Compounds, 2014, 589, 389-392.	5.5	25
44	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
45	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
46	Thermoelectric Properties of TlGdQ2 (QÂ=ÂSe, Te) and Tl9GdTe6. Journal of Electronic Materials, 2012, 41, 1662-1666.	2.2	23
47	Infinite linear chains of Sb atoms in the novel metal-rich polyantimonides Zr7.5V5.5Sb10 and Zr6.5V6.5Sb10. Chemical Communications, 1998, , 2219-2220.	4.1	22
48	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
49	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
50	Thermoelectric Properties of Bi-Doped Magnesium Silicide Stannides. ACS Applied Materials & Interfaces, 2018, 10, 40585-40591.	8.0	22
51	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
52	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
53	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
54	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

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55	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
56	Stabilization of the New Antimonide Zr2V6Sb9 by Vâ€"V and Sbâ€"Sb Bonding. European Journal of Inorganic Chemistry, 1998, 1998, 1369-1375.	2.0	19
57	Thermoelectric Properties of Mo3Sb5.4Te1.6 and Ni0.06Mo3Sb5.4Te1.6. Journal of Electronic Materials, 2007, 36, 727-731.	2.2	19
58	Structure Change via Partial Se/Te Substitution: Crystal Structure and Physical Properties of the Telluride Ba₂Cu_{4â^'<i>x</i>}Te₅ in Contrast to the Selenide-Telluride Ba₂Cu_{4â^'<i>x</i>}Se_{<i>y</i>}Te_{5â^'<i>y</i>}. Inorganic Chemistry, 2010, 49, 6518-6524.	4.0	19
59	New Barium Copper Chalcogenides Synthesized Using Two Different Chalcogen Atoms: Ba2Cu6â€"xSTe4and Ba2Cu6â€"xSeyTe5â€"y. Inorganic Chemistry, 2011, 50, 4580-4585.	4.0	19
60	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
61	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
62	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
63	Ti5Sb2.2Se0.8: the first titanium antimonideâ€"selenide. Journal of Alloys and Compounds, 2002, 336, 132-137.	5.5	18
64	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
65	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
66	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
67	Thermoelectric properties of composites made of Ni0.05Mo3Sb5.4Te1.6 and fullerene. Journal of Solid State Chemistry, 2013, 203, 25-30.	2.9	18
68	Tl₂Ag₁₂Se₇: A New pnp Conduction Switching Material with Extraordinarily Low Thermal Conductivity. Chemistry of Materials, 2017, 29, 9565-9571.	6.7	18
69	Novel Quaternary Metal-Rich Phosphides:â€‰ Stabilization by Differential Fractional Site Occupancies and Polar Intermetallic Bonding. Journal of the American Chemical Society, 1997, 119, 12824-12830.	13.7	17
70	T-Shaped Nets of Antimony Atoms in the Binary Antimonide Hf5Sb9. Angewandte Chemie - International Edition, 2004, 43, 5260-5262.	13.8	17
71	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
72	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

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73	Sn/Sb atom ordering in the ternary stannideâ€“antimonide TiSnSb. Journal of Solid State Chemistry, 2003, 176, 329-337.	2.9	16
74	New binary antimonide Hf5Sb3. Journal of Alloys and Compounds, 1999, 291, 73-79.	5.5	15
75	Title is missing!. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 1851-1853.	1.2	15
76	Crystal and electronic structures and physical properties of two semiconductors: Pb4Sb6Se13 and Pb6Sb6Se17. Intermetallics, 2006, 14, 198-207.	3.9	15
77	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
78	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
79	Crystal Structures, Electronic Structures, and Physical Properties of Tl4MQ4(M = Zr or Hf; Q = S or) Tj ETQq1 1 0.784314 rgBT /Overlo	4.0	14
80	New Layered-Type Quaternary Chalcogenides, Tl₂Pb<i>MQ</i>₄ (<i>M</i> = Zr,) Tj ETQq0 0 0 rgBT /Overlock Chemistry, 2013, 52, 13869-13874.	4.0	14
81	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
82	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
83	Structural, Thermal, and Physical Properties of the Thallium Zirconium Telluride Tl2ZrTe3. Chemistry of Materials, 2011, 23, 3886-3891.	6.7	13
84	Crystal Structure and Physical Properties of the New Chalcogenides Ba₃Cu_{17â€“<i>x</i>}(S,Te)₁₁ and Ba₃Cu_{17â€“<i>x</i>}(S,Te)_{11.5} with Two Different Cu Clusters. Inorganic Chemistry, 2011, 50, 7831-7837.	4.0	13
85	Bonding and Site Preferences in the New Quasi-Binary Zr2.7Hf11.3P9. Journal of Solid State Chemistry, 1998, 136, 221-226.	2.9	12
86	Replacement of selenium by antimony in MoSe2: interconnection of the MoSbSe layers by Sbâ€“Sb bonding. Chemical Communications, 2000, , 1941-1942.	4.1	12
87	Structure Prediction Using Our Semiempirical Structure Map:Â The Crystal Structure of the New Arsenide ZrTiAs. Chemistry of Materials, 2001, 13, 4053-4057.	6.7	12
88	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
89	Optimization of the Telluride Tl_{10â€“<i>x</i>â€“<i>y</i>}Sn<i>_x</i>Bi<i>_y</i>Te₆ for the TherÂmoelectric Energy Conversion. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 774-780.	1.2	12
90	Effect of addition of SiC and Al2O3 refractories on Kapitza resistance of antimonide-telluride. AIP Advances, 2018, 8, .	1.3	12

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91	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
92	Synthesis, Structure, and Thermoelectric Properties of the New Antimonide Sulfide MoSb2S. European Journal of Inorganic Chemistry, 2002, 2002, 591-596.	2.0	11
93	Electronic structure and thermoelectric properties of the thioantimonate FePb4Sb6S14. Journal of Alloys and Compounds, 2005, 390, 51-54.	5.5	11
94	HfMoSb4, the first nonmetallic early transition metal antimonide. Chemical Communications, 2004, , 2428.	4.1	10
95	Different clusters within the Ba4M4âˆ’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
96	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
97	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
98	Synthesis, crystal structure, electronic structure and electrical conductivity of La3GeSb0.31Se7 and La3SnFe0.61Se7. Solid State Sciences, 2014, 38, 124-128.	3.2	10
99	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
100	Ultralow thermal conductivity of Tl₄Ag₁₈Te₁₁. Journal of Materials Chemistry C, 2019, 7, 8029-8036.	5.5	10
101	Effect of Pb Substitution in Sr_{2-x}Pb_{<i>x</i>}GeSe₄ on Crystal Structures and Nonlinear Optical Properties Predicted by DFT Calculations. Inorganic Chemistry, 2020, 59, 15028-15035.	4.0	10
102	Thermoelectric properties of the new tellurides SrSc2Te4 and BaSc2Te4 in comparison to BaY2Te4. Intermetallics, 2007, 15, 371-376.	3.9	9
103	Thermoelectric properties of Nb3Sb2Te5. Journal of Alloys and Compounds, 2008, 448, 148-152.	5.5	9
104	Crystal structure, electronic structure and electrical conductivity of the antimony selenide BaLaSb2Se6. Solid State Sciences, 2010, 12, 919-923.	3.2	9
105	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
106	The beneficial influence of tellurium on the thermoelectric properties of Mo3âˆ’Fe Sb7. Journal of Solid State Chemistry, 2014, 215, 253-259.	2.9	9
107	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
108	Thermoelectric properties and thermal stability of layered chalcogenides, TlScQ2, Q = Se, Te. Dalton Transactions, 2017, 46, 17053-17060.	3.3	9

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109	The metastable <i>m</i>â€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
110	Structures and properties of the ternary thallium chalcogenides Tl2MQ3 (M = Zr, Hf; Q = S, Se). Dalton Transactions, 2012, 41, 9646.	3.3	8
111	High thermoelectric performance of Ba3Cu16â^'x(S,Te)11. Journal of Materials Chemistry C, 2018, 6, 13043-13048.	5.5	8
112	Thermoelectric Properties of In-Doped PbTe. Science of Advanced Materials, 2011, 3, 615-620.	0.7	8
113	Differences and Similarities between the Isotypic AntimonidesMFe1â^'xSb, ScCo1â^'xSb, andMNiSb (M=Zr,) Tj ETQq1 1 0.784314 rgBT /	2.9	7
114	Crystal structure predictions: the crystal and electronic structure of Zr1â^'ÎV1+Î´As. Journal of Solid State Chemistry, 2002, 169, 96-102.	2.9	7
115	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
116	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
117	Crystal Structure and Physical Properties of the New One-Dimensional Metal Ba2Cu7â€“xTe6. Inorganic Chemistry, 2012, 51, 5299-5304.	4.0	7
118	Thermoelectric properties of Sn- and Pb-doped Tl9BiTe6 and Tl9SbTe6. Journal of Applied Physics, 2014, 116, 183702.	2.5	7
119	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
120	BaCuSiTe₃: A Noncentrosymmetric Semiconductor with CuTe₄ Tetrahedra and Ethane-like Si₂Te₆ Units. Inorganic Chemistry, 2019, 58, 11656-11663.	4.0	7
121	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
122	Thermoelectric properties of zinc-doped Cu5Sn2Se7 and Cu5Sn2Te7. Dalton Transactions, 2021, 50, 6561-6567.	3.3	7
123	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
124	Crystal Structure and Physical Properties of the New Antimonide Hf3Cu2Ge3.58Sb1.42. Chemistry of Materials, 2010, 22, 6433-6437.	6.7	6
125	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
126	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

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127	Thermoelectric properties and stability of Ba3Cu16â€‰âˆ’â€‰xSe11â€‰âˆ’â€‰yTey. Journal of Applied Physics, 2019, 126, 025109.	2.5	5
128	Advancing the reliability of thermoelectric materials: A case study of silicides through statistics. Applied Physics Letters, 2021, 119, 193903.	3.3	5
129	Thermoelectric Properties of the Semiconducting Antimonide-Telluride Mo3Sb5-xTe2+x. Materials Research Society Symposia Proceedings, 2002, 730, 1.	0.1	4
130	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
131	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
132	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
133	New Ternary Arsenides for High-Temperature Thermoelectric Applications. Journal of Electronic Materials, 2009, 38, 1030-1036.	2.2	4
134	Crystal Structure and Physical Properties of RbNb4Br11. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 50-53.	1.2	4
135	Barium manganese(II) selenostannate(IV), BaMnSnSe₄. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, i72-i72.	0.2	4
136	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
137	Thermoelectric properties of Ni0.05Mo3Sb5.4Te1.6 composites with NiSb nanocoating. AIP Advances, 2018, 8, .	1.3	4
138	Thermoelectric Nanomaterials. , 2019, , 349-358.		4
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