

Wolfgang Bensch

List of Publications by Year in descending order

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628
papers

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44066

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Semimetal-functionalised polyoxovanadates. <i>Chemical Society Reviews</i> , 2015, 44, 8443-8483.	38.1	227
2	In situ Monitoring of the Formation of Crystalline Solids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2014-2034.	13.8	223
3	Investigation of SnSe, SnSe ₂ , and Sn ₂ Se ₃ alloys for phase change memory applications. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	159
4	Review. Synthesis of Inorganic-Organic Hybrid Thiometallate Materials with a Special Focus on Thioantimonates and Thiostannates and in situ X-Ray Scattering Studies of their Formation. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 937-975.	0.7	135
5	Title is missing!. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003, 629, 1367-1373.	1.2	113
6	Studying the Solvothermal Formation of MoO ₃ Fibers by Complementary In Situ EXAFS/EDXRD Techniques. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5643-5647.	13.8	100
7	The Hydrothermal Synthesis, Crystal Structures and Thermal Stability of the Novel One- and Two-Dimensional Thioantimonate(III) Compounds [Co(tren)]Sb ₂ S ₄ and [Ni(tren)]Sb ₂ S ₄ . <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 3073-3078.	2.0	98
8	Structure and thermochemical reactivity of CaRuO ₃ and SrRuO ₃ . <i>Solid State Ionics</i> , 1990, 43, 171-177.	2.7	93
9	Solvothermal Syntheses, Crystal Structures, and Thermal Properties of New Manganese Thioantimonates(III): A The First Example of the Thermal Transformation of an Amine-Rich Thioantimonate into an Amine-Poorer Thioantimonate. <i>Inorganic Chemistry</i> , 2004, 43, 2914-2921.	4.0	84
10	Four New Thioantimonates(III) with the General Formula [TM(tren)]Sb ₄ S ₇ (TM = Mn, Fe, Co, Zn) with the Transition Metal as Part of a Thioantimonate(III) Network Synthesized under Solvothermal Conditions and Tuning of the Optical Band Gap by the Transition Metal Cation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 1816-1822.	1.2	81
11	Solvothermal synthesis of [Ni(C ₄ H ₁₃ N ₃) ₂] ₂ Sb ₄ S ₈ : the first compound with a cyclic [Sb ₄ S ₈] ⁴⁻ anion. <i>Chemical Communications</i> , 2001, , 477-478.	4.1	79
12	In Situ X-ray Diffraction Studies of the Crystallization of Layered Manganese Thioantimonates(III) under Hydrothermal Conditions. <i>Chemistry of Materials</i> , 2001, 13, 1383-1390.	6.7	78
13	Template-Assisted Solvothermal Synthesis of Five Copper(I) Thioantimonate(III) Composites: Crystal Structures and Optical and Thermal Properties of (C ₆ N ₂ H ₁₈) _{0.5} Cu ₂ SbS ₃ , (C ₄ N ₃ H ₁₅) _{0.5} Cu ₂ SbS ₃ , (C ₈ N ₄ H ₂₂) _{0.5} Cu ₂ SbS ₃ , (C ₄ N ₃ H ₁₄)Cu ₃ Sb ₂ S ₅ , and (C ₆ N ₄ H ₂₀) _{0.5} Cu ₃ Sb ₂ S ₅ . <i>Inorganic Chemistry</i> , 2005, 44, 5805-5812.	4.0	78
14	Solvothermal syntheses, crystal structures, and thermal stability of two new thioantimonates(III) using complex transition metal cations as structure directing agents: the layered compound [Ni(dien) ₂] ₂ Sb ₄ S ₇ ·H ₂ O and the three-dimensional compound [Ni(dien) ₂] ₃ Sb ₁₂ S ₂₁ ·H ₂ O. <i>Journal of Solid State Chemistry</i> , 2003, 174, 264-275.	2.9	75
15	Cr(en) ₂ SbS ₃ . <i>Polyhedron</i> , 1998, 18, 101-107.	2.2	74
16	Solvothermal Synthesis, Crystal Structure, Thermal Stability, and Mössbauer Spectroscopic Investigation of the Mixed-Valent Thioantimonate(III,V) [Ni(dien) ₂] ₂ Sb ₄ S ₉ . <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4487-4489.	13.8	74
17	An FT-IR study of silicon dioxides for VLSI microelectronics. <i>Semiconductor Science and Technology</i> , 1990, 5, 421-428.	2.0	71
18	Extending the Time: Solvothermal Syntheses, Crystal Structures, and Properties of Two Non-isostructural Thioantimonates with the Composition [Mn(tren)]Sb ₂ S ₄ . <i>Inorganic Chemistry</i> , 2006, 45, 3726-3731.	4.0	70

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19	Solvothermal Synthesis, Crystal Structure, and Thermoanalytical Investigations of the New Layered Thioantimonate(III) $[\text{Fe}(\text{C}_4\text{H}_{13}\text{N}_3)_2]\text{Sb}_6\text{S}_{10}\cdot 0.5\text{H}_2\text{O}$. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2.0 1835-1840.	2.0	69
20	$[\text{V}_{16}\text{Sb}_4\text{O}_{42}(\text{H}_2\text{O})\{\text{VO}(\text{C}_6\text{H}_{14}\text{N}_2)_2\}_4]$: A Terminal Expansion to a Polyoxovanadate Archetype. <i>Inorganic Chemistry</i> , 2008, 47, 1916-1918.	4.0	69
21	Thioantimonate(III) anions acting as bridging ligands in neutral transition metal complexes: solvothermal synthesis and characterisation of the two novel compounds $[\text{Co}(\text{C}_6\text{H}_{18}\text{N}_4)]_2\text{Sb}_4\text{S}_8$ and $[\text{Co}(\text{C}_6\text{H}_{18}\text{N}_4)]_2\text{Sb}_2\text{S}_5$ containing $[\text{Sb}_4\text{S}_8]^{4-}$ and $[\text{Sb}_2\text{S}_5]^{4-}$ anions. <i>Dalton Transactions RSC</i> , 2001, , 2518-2522.	2.3	68
22	The Layered Thiostannate $(\text{dien})_2\text{Cu}_2\text{Sn}_2\text{S}_6$: a Photoconductive Inorganic-Organic Hybrid Compound. <i>Inorganic Chemistry</i> , 2008, 47, 9606-9611.	4.0	68
23	Solvothermal Syntheses, Crystal Structures and Selected Optical Properties of $[\text{M}(\text{C}_8\text{N}_5\text{H}_{23})_2\text{Sn}_2\text{S}_6]$ ($\text{M} = \text{Co}, \text{Fe}, \text{Ni}$; $\text{C}_8\text{N}_5\text{H}_{23} = \text{tetraethylenepentamine}$). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> . 2008. 634. 2323-2329.	1.2	65
24	Organic Functionalization of Polyoxovanadates: Sb-N Bonds and Charge Control. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 764-767.	13.8	65
25	Combined In Situ EDXRD/EXAFS Investigation of the Crystal Growth of $[\text{Co}(\text{C}_6\text{H}_{18}\text{N}_4)]_2\text{Sb}_4\text{S}_8$ under Solvothermal Conditions: Two Different Reaction Pathways Leading to the Same Product. <i>Chemistry of Materials</i> , 2006, 18, 1196-1205.	6.7	64
26	$[\text{V}_{15}\text{Sb}_{11}\text{O}_{42}]^{6-}$: An antimony analogue of the molecular magnet $[\text{V}_{15}\text{As}_6\text{O}_{42}(\text{H}_2\text{O})]^{6-}$. <i>Dalton Transactions</i> , 2007, , 3221.	3.3	64
27	Hydrothermal Formation of W/Mo-Oxides: A Multidisciplinary Study of Growth and Shape. <i>Chemistry of Materials</i> , 2008, 20, 3022-3033.	6.7	64
28	What Happens Structurally and Electronically during the Li Conversion Reaction of CoFe_2O_4 Nanoparticles: An Operando XAS and XRD Investigation. <i>Chemistry of Materials</i> , 2016, 28, 434-444.	6.7	63
29	$[\text{C}_6\text{H}_{17}\text{N}_3]_4[\text{Sb}_4\text{V}_{16}\text{O}_{42}]\cdot 2\text{H}_2\text{O}$ and $[\text{NH}_4]_4[\text{Sb}_8\text{V}_{14}\text{O}_{42}]\cdot 2\text{H}_2\text{O}$ the first isolated Sb derivatives of the $[\text{V}_{18}\text{O}_{42}]$ family. <i>Solid State Sciences</i> , 2006, 8, 964-970.	3.2	60
30	Solvothermal Synthesis and Crystal Structure of the New Layered Thioantimonate(III) $[\text{Ni}(\text{C}_4\text{H}_{13}\text{N}_3)_2]_9\text{Sb}_{22}\text{S}_{42}\cdot 0.5\text{H}_2\text{O}$: Interconnection of the SbS_3 , SbS_4 , and SbS_5 Primary Building Units Yielding the Very Large $\text{Sb}_{30}\text{S}_{30}$ Heteroring Dedicated to Professor Welf Bronger on the Occasion of his 70th Birthday. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002, 628, 1657.	1.2	58
31	Structure and properties of a supported MoO_3 SBA-15 catalyst for selective oxidation of propene. <i>Journal of Catalysis</i> , 2008, 254, 170-179.	6.2	58
32	Cu_2S_4 : A High Rate Capacity and Stable Anode Material for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21283-21291.	8.0	58
33	Alkynyl/chloride exchange between trans-platinum(II) and -palladium(II) chlorides and alkynylstannanes. Crystal structure of trans-[bis(1-propynyl)-bis(triethylphosphine)platinum(II)]. <i>Journal of Organometallic Chemistry</i> , 1986, 311, 233-242.	1.8	57
34	Solvothermal synthesis, crystal structure and properties of $[\text{Mn}(\text{C}_6\text{H}_{18}\text{N}_4)]_4\text{Mn}_2\text{Sb}_4\text{S}_{12}$ containing the new hetero-metallic $[\text{Mn}_2\text{Sb}_4\text{S}_{12}]$ core. <i>Solid State Sciences</i> , 2003, 5, 1135-1139.	3.2	57
35	Sulfide Catalysis without Coordinatively Unsaturated Sites: Hydrogenation, Cis-Trans Isomerization, and H_2/D_2 Scrambling over MoS_2 and WS_2 . <i>Journal of the American Chemical Society</i> , 2012, 134, 18896-18899.	13.7	57
36	Novel Copper(I)-Thioantimonates(III): Solvothermal Synthesis, Crystal Structures, Thermal Stability and Magnetic Properties of $(\text{C}_2\text{N}_2\text{H}_{10})_0.5\text{Cu}_2\text{Sb}_3\text{S}_3$, $(\text{C}_3\text{N}_2\text{H}_{12})_0.5\text{Cu}_2\text{Sb}_3\text{S}_3$, and $(\text{C}_4\text{N}_2\text{H}_{14})_0.5\text{Cu}_2\text{Sb}_3\text{S}_3$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 142-148.	1.2	56

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37	Magnetic properties and low temperature X-ray studies of the weak ferromagnetic monoclinic and trigonal chromium tellurides Cr ₅ Te ₈ . Journal of Solid State Chemistry, 2004, 177, 951-959.	2.9	55
38	Anionic Polymeric Bonds in Nickel Ditelluride: Crystal Structure, and Experimental and Theoretical Band Structure. Journal of Solid State Chemistry, 1996, 121, 87-94.	2.9	54
39	Morphological and Kinetic Studies on Hexagonal Tungstates. Chemistry of Materials, 2007, 19, 185-197.	6.7	54
40	New Three-Dimensional Thioantimonates Composed of Linked Cu ₈ S ₁₂ Clusters and the First Example of a Mixed-Metal Cu ₇ SnS ₁₂ Cluster. Inorganic Chemistry, 2010, 49, 8305-8309.	4.0	54
41	One-step hydrothermal synthesis of hierarchical Ag/Bi ₂ WO ₆ composites: In situ growth monitoring and photocatalytic activity studies. Science China Chemistry, 2013, 56, 435-442.	8.2	53
42	[Ni(C ₄ H ₁₃ N ₃) ₂] ₃ (Sb ₃ S ₆) ₂ : The First Structure Containing Isolated Heterocyclic [Sb ₃ S ₆] ³⁻ Anions. European Journal of Inorganic Chemistry, 2004, 2004, 2553-2556.	2.0	52
43	Solvothermal synthesis of [Mn(en) ₃] ₂ [Mn ₄ (en) ₉ (SbSe ₄) ₄]·2H ₂ O: the first example of a selenoantimonate(v) acting as a ligand in a transition-metal complex. Chemical Communications, 1997, , 1773-1774.	4.1	51
44	Synthesis and Crystal Structure of Mn ₂ (C ₂ H ₅ NH ₂) ₂ Sb ₂ S ₅ Exhibiting a Reversible Phase Transition. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2001, 56, 79-84.	0.7	51
45	Solvothermal Syntheses, Crystal Structures of Two New Thioantimonates(III) of the Mn ₂ (L)Sb ₂ S ₅ Family with L = Diethylenetriamine and N-Methyl-1,3-Diaminopropane and a Study of the Magnetic Properties of Four Compounds of the Series. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 869-876.	0.7	51
46	Solvothermal Synthesis and Crystal Structure of Mn ₂ (C ₅ H ₁₄ N ₂)Sb ₂ S ₅ : A New Member of the Mn ₂ (L)Sb ₂ S ₅ Family (L is an Organic Structure Director). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1239-1243.	1.2	50
47	Electrical and structural properties of Bi ₂ Te ₃ and Sb ₂ Te ₃ thin films grown by the nanoalloying method with different deposition patterns and compositions. Journal of Materials Chemistry, 2012, 22, 11323.	6.7	48
48	Hydrothermal Synthesis and Crystal Structure of the New Manganese(II) Thioantimonate(III), Mn(en) ₃ Sb ₄ S ₇ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1997, 52, 405-409.	0.7	47
49	Solvothermal Synthesis and Crystal Structures of Two Thioantimonate(V) Compounds with the [Sb ₄] ³⁻ Anion Acting as a Monodentate Ligand: [Mn(C ₆ H ₁₈ N ₄)(C ₆ H ₁₉ N ₄)]Sb ₄ and [Mn(C ₆ H ₁₄ N ₂) ₃] ₂ [Mn(C ₆ H ₁₄ N ₂) ₂ (SbS ₄) ₂]·6H ₂ O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1912-1918.	1.2	47
50	In-situ Energy-Dispersive X-ray Diffraction Studies of Crystal Growth and Compound Conversion Under Solvothermal Conditions. European Journal of Inorganic Chemistry, 2003, 2003, 506-513.	2.0	46
51	On the Flexibility of Thioantimonate Networks: Solvothermal Syntheses and Crystal Structures of Six New Thioantimonates(III) with the [Sb ₄ S ₇] ²⁻ Anion. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 1687-1695.	1.2	46
52	The Structure Directing Effect of Hydrogen Bonding in the Novel Polymeric Thioantimonate Mn ₂ (H ₂ N(CH ₂) ₂ NH ₂) ₂ Sb ₂ S ₅ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 1-7.	0.7	45
53	Two new copper thioantimonates synthesised under solvothermal conditions: Crystal structures, spectroscopic and thermal properties of (DBUH)CuSnS ₃ and (1,4-dabH ₂)Cu ₂ SnS ₄ . Solid State Sciences, 2007, 9, 100-107.	3.2	45
54	Komplexierung von Gold mit N,N-Dialkyl-N'-benzoylthioharnstoffen: Die Kristallstruktur von N,N-Diethyl-N'-benzoylthioureatogold(I)-chlorid. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1992, 611, 99-102.	1.2	44

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55	Influence of doping upon the phase change characteristics of Ge ₂ Sb ₂ Te ₅ . <i>Microsystem Technologies</i> , 2006, 13, 203-206.	2.0	44
56	Expansion of Antimonato Polyoxovanadates with Transition Metal Complexes: (Co(N ₃ C ₅ H ₁₅) ₂) ₂ [Co(N ₃ C ₅ H ₁₅) ₂] and (Ni(N ₃ C ₅ H ₁₅) ₂) ₂ [Ni(N ₃ C ₅ H ₁₅) ₂]. <i>Inorganic Chemistry</i> , 2012, 51, 2311-2317.	4.0	43
57	Configurational Isomerism in Polyoxovanadates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2972-2975.	13.8	43
58	Two Compounds Containing the Mixed Germanium-Vanadium Polyoxothioanion [V ₁₄ Ge ₈ O ₄₂ S ₈] ₁₂ . <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1305-1308.	13.8	42
59	Another Example for the Ability of the SbS_3 Anion to act as a Bidentate Ligand: Solvothermal Synthesis, Crystal Structure, Calculated and Experimental Raman Spectra of [Cr(tren)SbS ₃] ₂ ·H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 2635-2640.	1.2	42
60	Synthesis and Thermal Instability of High-Quality Bi ₂ Te ₃ /Sb ₂ Te ₃ Superlattice Thin Film Thermoelectrics. <i>Chemistry of Materials</i> , 2014, 26, 6518-6522.	6.7	42
61	Ferromagnetic Exchange through Unoccupied Bridging Ligand Orbitals. Optical Spectroscopic Investigation of μ -1,1-Azido Copper(II) Dimers. <i>Inorganic Chemistry</i> , 1995, 34, 5530-5547.	4.0	41
62	(1,4-dabH) ₂ MnSnS ₄ : The first thiostannate with integrated Mn ²⁺ ions in an anionic chain structure. <i>Solid State Sciences</i> , 2007, 9, 1110-1114.	3.2	41
63	In situ X-ray diffraction study of the hydrothermal crystallization of hierarchical Bi ₂ WO ₆ nanostructures. <i>Nanoscale</i> , 2010, 2, 2412.	5.6	41
64	Influence of Partial Substitution of Te by Se and Ge by Sn on the Properties of the Blu-ray Phase-Change Material Ge ₈ Sb ₂ Te ₁₁ . <i>Chemistry of Materials</i> , 2012, 24, 3582-3590.	6.7	41
65	Determination and redetermination of the crystal structures of chromium tellurides in the composition range CrTe _{1.56} -CrTe _{1.67} : Trigonal di-chromium tri-telluride Cr ₂ Te ₃ , monoclinic penta-chromium octa-telluride Cr ₅ Te ₈ , and the five layer superstructure of trigonal penta-chromium octa-telluride Cr ₅ Te ₈ . <i>Materials Research Bulletin</i> , 1997, 32, 305-318.	5.2	40
66	Solvothermal Syntheses of Two New Thiostannates and an In Situ Energy Dispersive X-ray Scattering Study of Their Formation. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 937-946.	2.0	40
67	Synthesis, crystal structures, and optical properties of NaCdPnS ₃ (Pn=As, Sb). <i>Journal of Alloys and Compounds</i> , 2012, 511, 35-40.	5.5	40
68	Antimonato Polyoxovanadate Based Three-Dimensional Framework Exhibiting Ferromagnetic Exchange Interactions: Synthesis, Structural Characterization, and Magnetic Investigation of [Fe(C ₆ H ₁₄ N ₂) ₂] ₃ [V ₁₅ Sb ₆ O ₄₂]. <i>Inorganic Chemistry</i> , 2013, 52, 3280-3284.	4.0	40
69	The new silver(I)thioantimonate(III) [C ₄ N ₂ H ₁₄][Ag ₃ Sb ₃ S ₇] and a new structural variant of the silver(I)thioantimonate(III) [C ₂ N ₂ H ₉] ₂ [Ag ₅ Sb ₃ S ₈] both synthesized under solvothermal conditions. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3541-3549.	2.9	39
70	Unsupported Ni-Mo-W sulphide HDS catalysts with the varying nickel concentration. <i>Applied Catalysis A: General</i> , 2009, 363, 45-51.	4.3	39
71	The New Silver Thiostannate (1,4-dabH ₂)Ag ₂ SnS ₄ : Solvothermal Synthesis, Crystal Structure and Spectroscopic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 1733-1736.	1.2	38
72	The modification of MoO ₃ nanoparticles supported on mesoporous SBA-15: characterization using X-ray scattering, N ₂ physisorption, transmission electron microscopy, high-angle annular darkfield technique, Raman and XAFS spectroscopy. <i>Journal of Materials Science</i> , 2008, 43, 244-253.	3.7	38

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73	The Interplay of Crystallization Kinetics and Morphology in Nanostructured W/Mo Oxide Formation: An in situ Diffraction Study. <i>Small</i> , 2009, 5, 1978-1983.	10.0	38
74	The Inorganic-Organic Hybrid Compound $\{[\text{Mn}(\text{trien})]_2\text{SnS}_4\} \cdot 4\text{H}_2\text{O}$: Exhibiting a Hitherto Unknown Binding Mode of the $[\text{SnS}_4]^{4-}$ Tetrahedron. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1575-1577.	2.0	37
75	Thin Films of Ge SbTe -Based Phase Change Materials: Microstructure and in Situ Transformation. <i>Chemistry of Materials</i> , 2011, 23, 3871-3878.	6.7	37
76	From Zero- to Three-Dimensional Thioantimonates: $[\text{Ni}(\text{aepa})_2]_2[\text{Sb}_6\text{S}_{12}]_2$ (aepa =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 637 Td (C₂S₆S₁₂)⁶ Cyclic Anion, $[\text{Ni}(\text{aepa})_2]_2[\text{Sb}_6\text{S}_{12}]_2(\text{Sb}_3\text{S}_6)_2(\text{SO}_4)_3 \cdot 2\text{H}_2\text{O}$ with Isolated $[\text{Sb}_3\text{S}_6]^{3-}$ anions and	3.0	37
77	The thermoelectric efficiency of $(\text{Sb}_{1-x}\text{Te}_x)(\text{GeTe})_x(\text{Bi}_{2-x}\text{Se}_{0.2}\text{Te}_{2.8})$ and implementation into highly performing thermoelectric power generators. <i>Dalton Transactions</i> , 2015, 44, 2835-2843.	3.3	37
78	Coordination properties of hypoxanthine. <i>Journal of Inorganic Biochemistry</i> , 1987, 29, 269-288.	3.5	36
79	Synthesis, Crystal Structures, and Optical Properties of New Quaternary Metal Chalcogenides of Group 5: Cs_2AgVS_4 , K_2AgVSe_4 , $\text{Rb}_2\text{AgVSe}_4$, $\text{Rb}_2\text{AgNbS}_4$, and $\text{Cs}_2\text{AgNbSe}_4$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1998, 624, 1285-1290.	1.2	36
80	$\text{K}_3\text{Ln}(\text{AsS}_4)_2$ (Ln = Nd, Sm, Gd): the First Rare Earth Thioarsenate Compounds with Infinite Straight Chains. <i>Inorganic Chemistry</i> , 2006, 45, 8835-8837.	4.0	35
81	Structural diversity of rare earth and transition metal thiophosphates. <i>CrystEngComm</i> , 2010, 12, 1003-1015.	2.6	35
82	$\text{Bi}_2\text{Te}_3\text{-Sb}_2\text{Te}_3$ Superlattices Grown by Nanoalloying. <i>Journal of Electronic Materials</i> , 2011, 40, 1266-1270.	2.2	35
83	FeV_2S_4 as a high capacity electrode material for sodium-ion batteries. <i>Chemical Communications</i> , 2015, 51, 13500-13503.	4.1	35
84	Elucidation of the Conversion Reaction of CoMnFeO_4 Nanoparticles in Lithium Ion Battery Anode via Operando Studies. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15320-15332.	8.0	35
85	Electronic and magnetic properties of Mn_2H intercalated by transition metals. <i>Physical Review B</i> , 2016, 94, .	3.2	35
86	Solvothermal syntheses, crystal structures and properties of five new thioantimonates(III) containing the $[\text{Sb}_4\text{S}_7]^{2-}$ anion. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1171-1181.	2.9	34
87	$\text{Rb}_3\text{Ti}_3(\text{P}_4\text{S}_{13})(\text{PS}_4)_3$ and $\text{Cs}_2\text{Ti}_2(\text{P}_2\text{S}_8)(\text{PS}_4)_2$: Two Polar Titanium Thiophosphates with Complex One-Dimensional Tunnels. <i>Inorganic Chemistry</i> , 2007, 46, 6170-6177.	4.0	34
88	Unprecedented Layered Inorganic-Organic Hybrid Compound $\text{Mn}_3\text{Sb}_2\text{S}_6(\text{C}_6\text{H}_{18}\text{N}_4)$ Composed of $\text{Mn}_4\text{Sb}_2\text{S}_6$ Double-Cubane Units Showing Magnetic Long-Range Order and Frustration. <i>Inorganic Chemistry</i> , 2010, 49, 1651-1657.	4.0	34
89	Catalysis of outer-phase oxygen atom exchange reactions by encapsulated inner-phase water in $\{\text{V}_{15}\text{Sb}_6\}$ -type polyoxovanadates. <i>Chemical Science</i> , 2016, 7, 2684-2694.	7.4	34
90	Large nonsaturating magnetoresistance and pressure-induced phase transition in the layered semimetal HfTe_2 . <i>Physical Review B</i> , 2017, 96, .	3.2	34

#	ARTICLE	IF	CITATIONS
91	Two New Layered Thioantimonate(III) Compounds: Solvothermal Syntheses, Crystal Structures, and Properties of (trans-1,4-C ₆ N ₂ H ₁₅)Sb ₃ S ₅ and (trans-1,2-C ₆ N ₂ H ₁₅)Sb ₃ S ₅ ·H ₂ O. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 2936-2941.	2.0	33
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