

Thomas F Fässler

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
19	The Zintl Ion $[Pb_{10}]^{2-}$: A Rare Example of a Homoatomic Cluster. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3459-3462.	13.8	84
20	Ordering of Vacancies in Type-I Tin Clathrate: A Superstructure of Rb_8Sn_{44} . <i>Journal of the American Chemical Society</i> , 2005, 127, 3264-3265.	13.7	81
21	Varying Bonding Modes of the Zintl Ion $[Ge_9]^{4-}$ in Cu^I Complexes: Syntheses and Structures of $[Cu_4Ge_9](PR_3)_3$ ($R = Tl, Pb, Bi$). <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1207-1213.	2.0	76
22	Polyhedral nine-atom clusters of tetrel elements and intermetalloid derivatives. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 1265-1284.	3.4	73
23	Crystal Structures of $[K(2.2.2-crypt)]_4[Pb_9Mo(CO)_3]^{4-}$ Isolation of the Novel Isomers $[(1.5-Pb_9)Mo(CO)_3]^{4-}$ beside $[(1.4-Pb_9)Mo(CO)_3]^{4-}$. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3663-3669.	2.0	72
24	Rapid Crystallization and Kinetic Freezing of Site-Disorder in the Lithium Superionic Argyrodite Li_6PS_5Br . <i>Chemistry of Materials</i> , 2019, 31, 10178-10185.	6.7	72
25	$BaSn_3$: A Superconductor at the Border of Zintl Phases and Intermetallic Compounds. <i>Real-Space Analysis of Band Structures. Angewandte Chemie International Edition in English</i> , 1997, 36, 2683-2686.	4.4	70
26	$[Pb_5\{Mo(CO)_3\}_2]^{4-}$: A Complex Containing a Planar Pb_5 Unit. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2092-2096.	13.8	66
27	Easy Access to Soluble Polyanions: Stabilization of the One-Dimensional Chain $[K_4Sn_9]$ by $[18]Crown-6$ in $[K_4Sn_9([18]crown-6)]_x \cdot n$ ethylenediamine. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 543-546.	13.8	64
28	Conformation Isomerism of Nonagermanide Ions. Crystal Structures of Brown and Red $[K-(2.2.2)crypt]_6Ge_9Ge_9 \cdot (ethylenediamine)_x$ ($x = 0.5, 1.5$). <i>Inorganic Chemistry</i> , 1999, 38, 1866-1870.	4.0	64
29	Chemische Bindung anschaulich: die Elektronen-Lokalisierungs-Funktion. <i>Chemie in Unserer Zeit</i> , 1997, 31, 110-120.	0.1	62
30	Lithium Ion Mobility in Lithium Phosphidosilicates: Crystal Structure, 7Li , ^{29}Si , and ^{31}P MAS NMR Spectroscopy, and Impedance Spectroscopy of Li_8SiP_4 and Li_2SiP_2 . <i>Chemistry - A European Journal</i> , 2016, 22, 17635-17645.	3.3	62
31	Homo-atomic Nine-vertex Polyhedra of Group XIV Elements. Crystal structures and paramagnetic properties of $[K-(2.2.2-crypt)]_6E_9 \cdot 1.5$ ethylenediamine $\cdot 0.5$ toluene, $E = Sn$ and Pb . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1996, 622, 837-844.	1.2	61
32	Retention of the $Zn^{\delta-}Zn$ bond in $[Ge_9Zn^{\delta-}ZnGe_9]^{6-}$ and Formation of $[(Ge_9Zn)^{\delta-}(Ge_9Zn)^{\delta-}(ZnGe_9)]^{8-}$ and Polymeric $[(Ge_9Zn)^{\delta-}]_x$. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2350-2355.	13.8	58
33	First Synthesis of Group-14 Polyanions by Extraction of a Binary Alloy with dmf and a Novel Conformation of the $(Ge_9^{\delta-}Ge_9)_6^{\delta-}$ Dimer: Crystal Structures of $[K_6(Ge_9^{\delta-}Ge_9)](dmf)_{12}$, $[Rb_6(Ge_9^{\delta-}Ge_9)](dmf)_{12}$ and $[K_2.5Cs_3.5(Ge_9^{\delta-}Ge_9)](dmf)_{12}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 1752-1758.	1.2	56
34	Intermetalloid Clusters: Molecules and Solids in a Dialogue. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14372-14393.	13.8	55
35	Germanium(cF136): A New Crystalline Modification of Germanium with the Porous Clathrate-II Structure. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2572-2575.	13.8	54
36	Revision of the $Li-Si$ Phase Diagram: Discovery and Single-Crystal X-ray Structure Determination of the High-Temperature Phase $Li_{4.11}Si$. <i>Chemistry of Materials</i> , 2013, 25, 4623-4632.	6.7	51

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37	Single Crystal Growth and Thermodynamic Stability of $\text{Li}_{17}\text{Si}_4$. Chemistry of Materials, 2013, 25, 1960-1967.	6.7	50
38	Zintl Clusters as Wet-Chemical Precursors for Germanium Nanomorphologies with Tunable Composition. Angewandte Chemie - International Edition, 2016, 55, 2441-2445.	13.8	50
39	On the Formation of Intermetalloid Clusters: Titanocene(III)diammin as a Versatile Reactant Toward Nonastannide Zintl Clusters. Angewandte Chemie - International Edition, 2015, 54, 522-526.	13.8	49
40	Linking Deltahedral Zintl Clusters with Conjugated Organic Building Blocks: Synthesis and Characterization of the Zintl Triad $[\text{Ge}_9\text{CHi}_{\frac{3}{4}}\text{CHi}_{\frac{1}{4}}\text{CH}_2\text{Ge}_9]^{4-}$. Angewandte Chemie - International Edition, 2015, 54, 3748-3753.	13.8	49
41	Introducing Tetrel Zintl Ions to N-Heterocyclic Carbenes - Synthesis of Coinage Metal NHC Complexes of $[\text{Ge}_9\{\text{Si}(\text{SiMe}_3)_3\}_3]^{4-}$. European Journal of Inorganic Chemistry, 2016, 2016, 2688-2691.	2.0	49
42	Fast Ionic Conductivity in the Most Lithium-Rich Phosphidosilicate $\text{Li}_{14}\text{SiP}_6$. Journal of the American Chemical Society, 2019, 141, 14200-14209.	13.7	49
43	Derivatization of Phosphine Ligands with Bulky Deltahedral Zintl Clusters - Synthesis of Charge Neutral Zwitterionic Tetrel Cluster Compounds $[(\text{Ge}_9\{\text{Si}(\text{TMS})_3\}_2)_2]^{2-}[\text{Bu}_2\text{P}(\text{NHC-Dipp})_2]^+$ (M: Cu, Ag, Au). Journal of the American Chemical Society, 2017, 139, 11933-11940.	13.7	48
44	SrSn_4 : A Superconducting Stannide with Localized and Delocalized Bond Character. Inorganic Chemistry, 2003, 42, 8748-8754.	4.0	47
45	$[\text{Ag}(\text{Sn}_9)_2]^{5-}$: A Homoleptic Silver Complex of A Dimeric Sn_9 Zintl Anion. Angewandte Chemie - International Edition, 2010, 49, 6592-6595.	13.8	47
46	Soluble Zintl Phases $\text{A}_{14}\text{ZnGe}_{16}$ (A = K, Rb) Featuring $[(\text{I}^3-\text{Ge}_4)_2\text{Zn}(\text{I}^2-\text{Ge}_4)]^{6-}$ and $[(\text{I}^3-\text{Ge}_4)_4]^{4-}$ Clusters and the Isolation of $[(\text{MesCu})_2(\text{I}^3)_3\text{I}^2-\text{Ge}_4]^{4-}$: The Missing Link in the Solution Chemistry of Tetrahedral Group 14 Element Zintl Clusters. Journal of the American Chemical Society, 2012, 134, 14450-14460.	13.7	47
47	Crystal Growth and Structure Refinement of K_4Ge_9 . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 393-397.	1.2	46
48	Effects of the order-disorder phase transition on the physical properties of $\text{A}_8\text{Sn}_{44-2}$ (A = Rb, Cs). Journal of Materials Chemistry, 2008, 18, 5630.	6.7	46
49	Relationships Between Soluble Zintl Anions, Ligand-Stabilized Cage Compounds, and Intermetalloid Clusters of Tetrel (Si-Pb) and Pentel (P-Bi) Elements. Structure and Bonding, 2011, , 91-131.	1.0	46
50	Homoatomic Cluster E_9 - mit $\text{E}=\text{Ge, Sn und Pb}$: EPR-Spektren, Magnetismus und Elektrochemie. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 692-700.	1.2	45
51	Novel Tin Structure Motives in Superconducting BaSn_5 - The Role of Lone Pairs in Intermetallic Compounds [1]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 2486.	1.2	45
52	The Neat Ternary Solid $\text{K}_5\text{Co}_2\text{Sn}_9$ with Endohedral $[\text{Co}@\text{Sn}_9]^{5-}$ Cluster Units: A Precursor for Soluble Intermetalloid $[\text{Co}_2@\text{Sn}_{17}]^{5-}$ Clusters. Chemistry - A European Journal, 2012, 18, 12000-12007.	3.3	45
53	Unprecedented Layered Structure of a Fulleride: Synthesis, Structure, and Magnetic Properties of a Potassium-Containing Salt with a C_{60}^{2-} Counterion. Angewandte Chemie International Edition in English, 1997, 36, 486-488.	4.4	44
54	The role of non-bonding electron pairs in intermetallic compounds. Chemical Society Reviews, 2003, 32, 80-86.	38.1	44

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55	Stabilizing the Phase $\text{Li}_{15}\text{Si}_4$ through Lithium-Aluminum Substitution in $\text{Li}_{15}\text{Al}_x\text{Si}_{4-x}$ (0.4 x \leq 0.8) Single Crystal X-ray Structure Determination of $\text{Li}_{15}\text{Si}_4$ and $\text{Li}_{14.37}\text{Al}_{0.63}\text{Si}_4$. Chemistry of Materials, 2013, 25, 4113-4121.	6.7	42
56	On the Reactivity of Silylated Ge_9 Clusters: Synthesis and Characterization of $[\text{ZnP}^*(\text{Ge}_9\{\text{Si}(\text{SiMe}_3)_3\}_3)_3]$, $[\text{CuP}(\text{Ge}_9\{\text{Si}(\text{SiMe}_3)_3\}_3)_3]$, and $[(\text{CuP}(\text{Ge}_9\{\text{Si}(\text{SiMe}_3)_3\}_3)_3)_4\{\text{Ge}_9\}(\text{SiPh}_3)_2]_2$. Chemistry - A European Journal, 2016, 22, 18794-18800.	3.3	42
57	Triple-Decker Type Coordination of a Fullerene Trianion in $[\text{K}([\text{18}]\text{crown-6})_3][\text{I}_6\text{C}_60](\text{I}-\text{C}_6\text{H}_5\text{CH}_3)_2$ Single Crystal Structure and Magnetic Properties. Angewandte Chemie - International Edition, 2000, 39, 2091-2094.	13.8	41
58	On the Nature of Bridging Metal Atoms in Intermetalloid Clusters: Synthesis and Structure of the Metal-Atom-Bridged Zintl Clusters $[\text{Sn}(\text{Ge}_9)_2]^{4+}$ and $[\text{Sn}(\text{Ge}_9)_2]^{4-}$. Angewandte Chemie - International Edition, 2000, 39, 13946-13952.	3.3	41
59	Novel Arachno-type X56 Zintl Anions in Sr_3Sn_5 , Ba_3Sn_5 , and Ba_3Pb_5 and Charge Influence on Zintl Clusters. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 2211.	1.2	40
60	Mixed Tetrahedral Zintl Clusters: Single Crystal Structure Determination of $[\text{Si}_4\text{Ge}_4]^{4+}$, $[(\text{MesCu})_2(\text{Si}_4\text{Ge}_4)]^{4+}$, and the ^{29}Si NMR Spectra of $\text{A}_4\text{Si}_2\text{Ge}_2$ (A=K, Rb). Chemistry - A European Journal, 2011, 17, 13391-13394.	3.3	40
61	Probing the Zintl-Klemm Concept: A Combined Experimental and Theoretical Charge Density Study of the Zintl Phase CaSi . Angewandte Chemie - International Edition, 2014, 53, 3029-3032.	13.8	40
62	SrSn_3 - eine supraleitende Legierung mit freien Elektronenpaaren. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 106-112.	1.2	39
63	Order-Disorder Phase Transition in Type-I Clathrate $\text{Cs}_8\text{Sn}_{44}$. European Journal of Inorganic Chemistry, 2007, 2007, 4162-4167.	2.0	39
64	Hybrid Photovoltaics from Fundamentals towards Application. Advanced Energy Materials, 2017, 7, 1700248.	19.5	39
65	Bulk Synthesis and Structure of a Microcrystalline Allotrope of Germanium (m-allo-Ge). Chemistry of Materials, 2011, 23, 4578-4586.	6.7	38
66	Synthesis and Crystal Structure of $[\text{K}([\text{2.2}]\text{crypt})_2][\text{HgGe}_9](\text{dmf})$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 2338-2341.	1.2	37
67	Syntheses and ^1H NMR Spectra of Substituted Zintl Ions $[\text{Ge}_9\text{R}_3]^{4-}$ (R = 2,4,6-trimethylphenyl): Crystal Structures of $[\text{Ge}_9\text{R}_3]^{4-}$ (R = 2,4,6-trimethylphenyl, C_6H_5 , H_2) and Functionalization of $[\text{Ge}_9\text{R}_3]^{4-}$ with Small Silanes: $[\text{Ge}_9\text{R}_3]^{4-}(\text{SiR}_3)_3$ (R = <i>i</i> -Bu, <i>i</i> -Pr, Et) and the Structures of $(\text{CuNHC})_3[\text{Ge}_9\text{R}_3]^{4-}(\text{Si}(\text{i-Bu})_3)_3$, $(\text{K}-18\text{c}6)\text{Au}[\text{Ge}_9\text{R}_3]^{4-}(\text{Si}(\text{i-Bu})_3)_3$, and $(\text{K}-18\text{c}6)_2[\text{Ge}_9\text{R}_3]^{4-}(\text{Si}(\text{i-Bu})_3)_2$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1784-1794.	1.2	37
69	Synthesis and Reactivity of Multiple Phosphine-Functionalized Nonagermanide Clusters. Angewandte Chemie - International Edition, 2018, 57, 14509-14513.	13.8	37
70	$\text{K}_6\text{Sn}_{23}\text{Bi}_2$ und K_6Sn_{25} - zwei Phasen mit chiraler Clathrat-Struktur und ihr Verhalten gegenuber Ethylendiamin. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1998, 624, 561-568.	1.2	36
71	Reactivity of Liquid Ammonia Solutions of the Zintl Phase $\text{K}_{12}\text{Sn}_{17}$ towards Mesitylcopper(I) and Phosphinegold(I) Chloride. Chemistry - A European Journal, 2014, 20, 16738-16746.	3.3	35
72	Radical-Induced Hydrosilylation Reactions for the Functionalization of Two-Dimensional Hydride Terminated Silicon Nanosheets. Chemistry - A European Journal, 2016, 22, 6194-6198.	3.3	35

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73	Synthesis and Characterization of the Lithium-Rich Phosphidosilicates $\text{Li}_{10}\text{Si}_2\text{P}_6$ and $\text{Li}_3\text{Si}_3\text{P}_7$. <i>Inorganic Chemistry</i> , 2017, 56, 6688-6694.	4.0	34
74	Low oxidation state silicon clusters – synthesis and structure of $[\text{NHCDippCu}(\text{I}-4\text{-Si}_9)]_3^{3-}$. <i>Chemical Communications</i> , 2017, 53, 12974-12977.	4.1	34
75	Synthesis, structure, and electronic properties of 4H-germanium. <i>Journal of Materials Chemistry</i> , 2010, 20, 1780.	6.7	33
76	$[\text{Bi}_4]^{6-}$ – The Zintl Anion with the Highest Charge per Atom Obtained from Solution. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 40-45.	1.2	32
77	Formation of the intermetalloid cluster $[\text{AgSn}_{18}]^{7-}$ – the reactivity of coinage metal NHC compounds towards $[\text{Sn}_9]^{4-}$. <i>Dalton Transactions</i> , 2017, 46, 5796-5800.	3.3	32
78	Silicon Containing Nine Atom Clusters from Liquid Ammonia Solution: Crystal Structures of the First Protonated Clusters $[\text{HSi}_9]^{3-}$ and $[\text{H}_2\text{Si/Ge}_9]^{2-}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1018-1027.	1.2	32
79	$\text{Na}_7\text{Sn}_{12}$: A Binary Zintl Phase with a Two-Dimensional Covalently Bonded Tin Framework. <i>Inorganic Chemistry</i> , 2003, 42, 5474-5476.	4.0	31
80	Die Wechselwirkungen freier Elektronenpaare in Zintl-Phasen: Bandstruktur und Realraumanalyse des P124 Clathrat-Strukturtyps. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1998, 624, 569-577.	1.2	30
81	Radical-Initiated and Thermally Induced Hydrogermylation of Alkenes on the Surfaces of Germanium Nanosheets. <i>Chemistry of Materials</i> , 2018, 30, 2274-2280.	6.7	30
82	Lithium Phosphidogermanates Li^+ - and Li^{2-} - Li_8GeP_4 – A Novel Compound Class with Mixed Li^+ Ionic and Electronic Conductivity. <i>Chemistry of Materials</i> , 2018, 30, 6440-6448.	6.7	30
83	NaSn_5 : An Intermetallic Compound with Covalent Sn^{\pm} -Tin and Metallic Sn^2 -Tin Structure Motifs. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1571-1575.	13.8	29
84	Novel synthetic route to soluble polyanions: synthesis and crystal structure of $[\text{K}(\text{18-crown-6})]_4[\text{Pb}_9]^{4-}$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3339-3340.	1.1	29
85	Synthesis, Characterization, and Electronic Structure of $\text{Ba}_5\text{In}_4\text{Bi}_5$: An Acentric and One-Electron Deficient Phase. <i>Chemistry - A European Journal</i> , 2004, 10, 3615-3621.	3.3	29
86	NaSn_2 : A Novel Binary Zintl Phase with 2D Polyanions of Realgar-Type Units $[\text{Sn}_8]^{4-}$. <i>Inorganic Chemistry</i> , 2005, 44, 477-479.	4.0	29
87	Two-, One-, and Zero-Dimensional Elemental Nanostructures Based on Ge_9 Clusters. <i>ChemPhysChem</i> , 2010, 11, 1944-1950.	2.1	29
88	N-Heterocyclic Carbene Coinage Metal Complexes of the Germanium-Rich Metalloid Clusters $[\text{Ge}_9\text{R}_3]^{3-}$ and $[\text{Ge}_9\text{RI}_2]^{2-}$ with $\text{R} = \text{Si}(\text{iPr})_3$ and $\text{RI} = \text{Si}(\text{TMS})_3$. <i>Molecules</i> , 2017, 22, 1204.	3.8	29
89	On the Structure of Nonstannide Clusters in Liquid and Solid State. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2888-2894.	2.0	28
90	Syntheses and Structures of the Germanides CaNiGe and MgCoGe as well as Chemical Bonding in CaNiGe and CaNi_2Ge_2 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1249-1255.	1.2	28

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91	Metal-Centered Zintl Ions Isolated by Direct Extraction from Endohedral Intermetallic Precursor: $[\text{Co}_{1-x}\text{Sn}_9]^{4-}$ ($x \approx 0.32$) and $[\text{Co}_2\text{Sn}_{17}]^{5-}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2864-2870.	1.2	28
92	Anionic Siliconoids from Zintl Phases: $\text{R}_3\text{Si}_9^{3-}$ with Six and $\text{R}_2\text{Si}_9^{2-}$ with Seven Unsubstituted Exposed Silicon Cluster Atoms ($\text{R}=\text{Si}(\text{Bu})_2\text{H}$). <i>Chemistry - A European Journal</i> , 2018, 24, 19171-19174.	3.3	28
93	Charged Si_9 Clusters in Neat Solids and the Detection of $[\text{H}_2\text{Si}_9]^{2-}$ in Solution: A Combined NMR, Raman, Mass Spectrometric, and Quantum Chemical Investigation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12950-12955.	13.8	28
94	Fast Lithium Ion Conduction in Lithium Phosphidoaluminates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5665-5674.	13.8	28
95	Synthesis, Crystal Structure, and Catalytic Properties of MgCo_6Ge_6 . <i>Chemistry - A European Journal</i> , 2006, 12, 1924-1930.	3.3	27
96	Na_6ZnSn_2 , $\text{Na}_4.24\text{K}_{1.76}(1)\text{ZnSn}_2$, and $\text{Na}_{20}\text{Zn}_8\text{Sn}_{11}$: Three Intermetallic Structures Containing the Linear $\{\text{Sn}^-\text{Zn}^-\text{Sn}\}_6^{3-}$ Unit. <i>Journal of the American Chemical Society</i> , 2009, 131, 1469-1478.	13.7	27
97	Silicon Nanoparticles by the Oxidation of $[\text{Si}_4]^{4-}$ and $[\text{Si}_9]^{4-}$ -Containing Zintl Phases and Their Corresponding Yield. <i>Inorganic Chemistry</i> , 2015, 54, 396-401.	4.0	27
98	$\text{Na}_{29}\text{Zn}_{24}\text{Sn}_{32}$: A Zintl Phase Containing a Novel Type of $\{\text{Sn}_{14}\}$ Enneahedra and Heteroatomic $\{\text{Zn}_8\text{Sn}_4\}$ Icosahedra. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3144-3148.	13.8	26
99	$[(1/2-(\text{Si}/\text{Ge})_4)\text{Zn}(1/2-(\text{Si}/\text{Ge})_4)]_6^{3-}$ novel Zintl clusters with mixed Si/Ge tetrahedra bridged by a Zn atom. <i>Chemical Communications</i> , 2012, 48, 8676.	4.1	26
100	Structural and thermodynamic similarities of phases in the $\text{Li}-\text{Tt}$ ($\text{Tt} = \text{Si}, \text{Ge}$) systems: redetermination of the lithium-rich side of the $\text{Li}-\text{Ge}$ phase diagram and crystal structures of $\text{Li}_{17}\text{Si}_4\text{O}_x$ for $x = 2.3, 3.1, 3.5$, and 4 as well as $\text{Li}_{4.1}\text{Ge}$. <i>Dalton Transactions</i> , 2014, 43, 14959-14970.	3.3	26
101	A Combined Metal-Halide/Metal Flux Synthetic Route towards Type-I Clathrates: Crystal Structures and Thermoelectric Properties of $\text{A}_8\text{Al}_8\text{Si}_{38}$ ($\text{A}=\text{K}, \text{Rb}, \text{and Cs}$). <i>Chemistry - A European Journal</i> , 2014, 20, 15077-15088.	3.3	26
102	Metallogages for Metal Anions: Highly Charged $[\text{Co}@\text{Ge}_9]^{5-}$ and $[\text{Ru}@\text{Sn}_9]^{6-}$ Clusters Featuring Spherically Encapsulated Co^{1-} and Ru^{2-} Anions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12908-12913.	13.8	26
103	BaSn_3 , ein Supraleiter im Grenzbereich zwischen Zintl-Phasen und intermetallischen Verbindungen: Realraumanalyse von Bandstrukturen. <i>Angewandte Chemie</i> , 1997, 109, 2800-2803.	2.0	25
104	Localized and Delocalized Chemical Bonding in the Compounds CaNiGe_2 , SrNiGe_2 , and SrNiSn_2 . <i>Inorganic Chemistry</i> , 2006, 45, 7408-7416.	4.0	25
105	Endohedrally Filled $[\text{Ni}@\text{Sn}_9]^{4-}$ and $[\text{Co}@\text{Sn}_9]^{5-}$ Clusters in the Neat Solids $\text{Na}_{12}\text{Ni}_1\text{Sn}_{17}$ and $\text{K}_{13}\text{Co}_1\text{Sn}_{17}$: Crystal Structure and ^{119}Sn Solid-State NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2014, 20, 12157-12164.	3.3	25
106	On the Variable Reactivity of Phosphine-Functionalized $[\text{Ge}_9]$ Clusters: <i>Zintl</i> Clusters-Substituted Phosphines or Phosphine-Substituted <i>Zintl</i> Clusters. <i>Chemistry - A European Journal</i> , 2018, 24, 4103-4110.	3.3	25
107	Boranyl-Functionalized $[\text{Ge}_9]$ Clusters: Providing the Idea of Intramolecular Ge/B Frustrated Lewis Pairs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2648-2653.	13.8	25
108	Nonclassical Bonding in the Novel Structure of Ba_2Bi_3 and Unexpected Site Preference in the Coloring Variant Ba_2BiSb_2 . <i>Inorganic Chemistry</i> , 2004, 43, 6124-6126.	4.0	24

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109	From molecule to material: Mg ₂ Sn as hydrogenation catalyst. <i>Catalysis Communications</i> , 2006, 7, 618-622.	3.3	24
110	Synthesis and Crystal Structure of Mercury-Substituted Type-I Clathrates A ₈ Hg ₄ Sn ₄₂ (A = K, Rb, Cs). <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 538-542.	2.0	24
111	Targeted attachment of functional groups at Ge ₉ clusters via silylation reactions. <i>Chemical Communications</i> , 2017, 53, 11798-11801.	4.1	24
112	[(1/4₂-H)(1²-Ge₄)ZnPh₂]³, an edge-on protonated E₄ cluster establishing the first three-center two-electron Ge-H-Ge bond. <i>Chemical Communications</i> , 2018, 54, 12381-12384.	4.1	24
113	âž2 [Rb ₄ Sn ₉] â€ A Low Dimensional Arrangement of Zintl Ions in [Rb(18-crown-6)] ₂ Rb ₂ [Sn ₉](en) _{1.5} Dedicated to Professor Welf Bronger on the Occasion of his 70th Birthday. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002, 628, 1500.	1.2	23
114	Alkali Metals Extraction Reactions with the Silicides Li ₁₅ Si ₄ and Li ₃ NaSi ₆ : Amorphous Si <i>versus</i> <i>allo</i>-Si. <i>Chemistry of Materials</i> , 2014, 26, 6603-6612.	6.7	23
115	Thermochemistry, Morphology, and Optical Characterization of Germanium Allotropes. <i>Chemistry of Materials</i> , 2014, 26, 3263-3271.	6.7	23
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