

Florian Kraus

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

213
papers

3,481
citations

27
h-index

53
g-index

277
ext. papers

4,003
ext. citations

4
avg, IF

5.53
L-index

#	Paper	IF	Citations
213	Surprises in the Solvent-Induced Self-Ionization in the Uranium Tetrahalide UX (X = Cl, Br, I)/Ethyl Acetate System.. <i>ACS Omega</i> , 2022 , 7, 11995-12003	3.9	
212	Analysis of proton bunch parameters in the AWAKE experiment. <i>Journal of Instrumentation</i> , 2021 , 16, P11031	1	
211	DFT-Guided Crystal Structure Redetermination and Lattice Dynamics of the Intermetallic Actinoid Compound UIr. <i>Inorganic Chemistry</i> , 2021 , 60, 16686-16699	5.1	
210	Single-crystal structures of A ₂ SiF ₆ (A = Tl, Rb, Cs), a better structure model for Tl ₃ [SiF ₆]F, and its novel tetragonal polymorph. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021 ,	1	1
209	Transition between Instability and Seeded Self-Modulation of a Relativistic Particle Bunch in Plasma. <i>Physical Review Letters</i> , 2021 , 126, 164802	7.4	4
208	Coexistence of Two Different Distorted Octahedral [MnF] Sites in K [MnF]: Manifestation in Spectroscopy and Magnetism. <i>Chemistry - A European Journal</i> , 2021 , 27, 9801-9813	4.8	5
207	Reactions of ThX ₄ (X=F, Cl, Br, I) with Liquid Ammonia-Crystal Structures and a Theoretical Study of Ammine Thorium(IV) Halide Ammoniates. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 2787-2796 ^{2,3}		0
206	Photochemical Synthesis of Tungsten Pentafluoride, WF ₅ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 218-224	1.3	3
205	Substantial Aromaticity in the anionic heavy-metal cluster [Th@Bi]. <i>Nature Chemistry</i> , 2021 , 13, 149-155	17.6	22
204	Photochemistry with Chlorine Trifluoride: Syntheses and Characterization of Difluoroxychloronium(V) Hexafluorido(non)metallates(V), [CLOF][MF] (M=V, Nb, Ta, Ru, Os, Ir, P, Sb). <i>Chemistry - A European Journal</i> , 2021 , 27, 2381-2392	4.8	1
203	Syntheses and Characterization of the Mixed-Valent Manganese(II/III) Fluorides MnF and MnF. <i>Inorganic Chemistry</i> , 2021 , 60, 12651-12663	5.1	
202	Alkali Metal Hexafluorido Plumbates(IV) A ₂ [PbF ₆] (A=Na, Cs) and Luminescence of the Mn ⁴⁺ -substituted Compounds A ₂ [PbF ₆]: Mn (A=Li, Cs) and Li ₂ [MF ₆]: Mn (M=Ti, Ge, Sn). <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 3870	2.3	
201	Reactions of [SiF(NH)] with Fluorides AF (A = Li-Cs, Tl, NH) in Liquid NH ₃ : A [NH(NH)] Cation and a Thallophilic Interaction in [Tl(NH)]. <i>Inorganic Chemistry</i> , 2021 , 60, 15031-15040	5.1	
200	Plasmachemical synthesis of the binary hexafluorides of Mo, Os, Ir, Te, and U. <i>Journal of Fluorine Chemistry</i> , 2021 , 249, 109862	2.1	0
199	Mn(IV)-Substituted Metal(II) Hexafluorido Metallates(IV): Synthesis, Crystal Structures, and Luminescence Properties. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 3861	2.3	0
198	Simulation and experimental study of proton bunch self-modulation in plasma with linear density gradients. <i>Physical Review Accelerators and Beams</i> , 2021 , 24,	1.8	1
197	Experimental study of extended timescale dynamics of a plasma wakefield driven by a self-modulated proton bunch. <i>Physical Review Accelerators and Beams</i> , 2021 , 24,	1.8	2

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- 195 Coordination of trivalent lanthanum and cerium, and tetravalent cerium and actinides (An = Th(IV), U(IV), Np(IV)) by a 4-phosphoryl 1-pyrazol-5-olate ligand in solution and the solid state. *Dalton Transactions*, **2021**, 50, 3550-3558 4.3 3
- 194 KLiSiF₆ and CsLiSiF₆ [A] Structure Investigation. *European Journal of Inorganic Chemistry*, **2021**, 2021, 62-70 2.3 2
- 193 Reactions of ClF₃ with Main Group and Transition Metal Oxides: Access to Dioxychloronium(V) Fluoridometallates and Oxidofluoridometallates. *European Journal of Inorganic Chemistry*, **2021**, 2021, 405-421 2.3 3
- 192 The Crystal Structure of MnF₃ Revisited. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2020**, 646, 882-888 1.3 2
- 191 High cycle life all-solid-state fluoride ion battery with La₂NiO₄+d high voltage cathode. *Communications Materials*, **2020**, 1, 6 19
- 190 Synthesis and Characterization of the Hexafluoridomolybdates(V) A[MoF₆] (A = Li [Cs]). *European Journal of Inorganic Chemistry*, **2020**, 2020, 1834-1843 2.3 1
- 189 Laboratory synthesis and characterization of Knasibfite K₃Na₄[SiF₆]₃[BF₄] and the homologous Ge compound K₃Na₄[GeF₆]₃[BF₄]. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2020**, 235, 247-254¹
- 188 Synthesis and Crystal Structures of Transition Metal(II) Fluoridometallate(IV) Hydrates of Neptunium and Plutonium: AIIIMIVF₆[B]H₂O (AII = Mn, Zn; MIV = Np, Pu). *European Journal of Inorganic Chemistry*, **2020**, 2020, 2279-2284 2.3 2
- 187 Cs[Cl F]: A Propeller-Shaped [Cl F] Anion in a Peculiar A B Structure Type. *Angewandte Chemie - International Edition*, **2020**, 59, 18116-18119 16.4 2
- 186 Cs[Cl₃F₁₀]: Eine Verbindung mit propellerförmigem [Cl₃F₁₀] Anion, die im außergewöhnlichen A[5]B[5]-Strukturtyp kristallisiert. *Angewandte Chemie*, **2020**, 132, 18272-18276 3.6 0
- 185 Synthesis and Characterization of the Tetrafluoridochlorates(III) A[ClF₄] (A = K, Rb, Cs). *European Journal of Inorganic Chemistry*, **2020**, 2020, 1319-1324 2.3 6
- 184 C-H Bond Activation by an Imido Cobalt(III) and the Resulting Amido Cobalt(II) Complex. *Angewandte Chemie - International Edition*, **2020**, 59, 8527-8531 16.4 29
- 183 C-B Bond Cleavage Reactions with Beryllium, Magnesium, Gallium, Hafnium, and Thorium Halides. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2020**, 646, 1501-1507 1.3 6
- 182 Evolutionary Algorithm-based Crystal Structure Prediction for Gold(I) Fluoride. *ChemPhysChem*, **2020**, 21, 802-808 3.2 4
- 181 Synthesis and Characterization of A[W₂O₂F₉] (A = Li [Cs]). *European Journal of Inorganic Chemistry*, **2020**, 2020, 2260-2269 2.3 3
- 180 Synthesis and Characterization of Manganese Tetrafluoride [MnF₄]. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2020**, 646, 1481-1489 1.3 3
- 179 Experimental study of wakefields driven by a self-modulating proton bunch in plasma. *Physical Review Accelerators and Beams*, **2020**, 23, 1.8 4

178	Proton Bunch Self-Modulation in Plasma with Density Gradient. <i>Physical Review Letters</i> , 2020 , 125, 26480-26484	14	2
177	Magnetic moment of Pb207 and the hyperfine splitting of Pb81+207. <i>Physical Review Research</i> , 2020 , 2,	3.9	5
176	Redetermination of the crystal structure of caesium tetrafluoridobromate(III) from single-crystal X-ray diffraction data. <i>IUCrData</i> , 2020 , 5,	0.7	1
175	Synthesis and crystal structure of tri-ethyl-ammonium hexa-bromido-uranate(IV) di-chloro-methane monosolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020 , 76, 1587-1590	0.7	
174	Difluorochloronium(III) Fluoridometallates [from Molecular Building Blocks to (Helical) Chains. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 4483-4496	2.3	0
173	Preparation of Two Quantum-Chemically Predicted, Isomeric [Br ₄ F ₁₃] ⁻ Anions in the Solid State. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 4568-4576	2.3	
172	A Molecular Octafluoridoneptunate(IV) Anion in (NH ₄) ₄ [NpF ₈] and Theoretical Investigations of the [MF ₈] ₄ System (M = Th [Bk]). <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3753-3759	2.3	0
171	A brief visit to the BeCl ₂ /ZnCl ₂ system and the prediction of a new polymorph of ZnCl ₂ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020 , 75, 491-496	1	
170	Synthesis and Characterization of the Hexafluoridomolybdates(V) A [MoF ₆] (A = Li - Cs). <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1820-1820	2.3	
169	A spatially separated [KBr ₆] ₅ Anion in the cyanido-bridged uranium(IV) compound [U ₂ (CN) ₃ (NH ₃) ₁₄] ₅ ⁺ [KBr ₆] ₅ [NH ₃]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020 , 75, 111-116	1	1
168	PbF[Br ₂ F ₇], a Fluoridobromate(III) of a p-Block Metal. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 64-70	2.3	6
167	Reductive photo-chemical separation of the hexafluorides of uranium and molybdenum. <i>Journal of Fluorine Chemistry</i> , 2020 , 240, 109655	2.1	1
166	Rb ₂ [U(NH ₂) ₆], a Rubidium Hexaamidouranate(IV) obtained from the Reaction of U ₃ with RbNH ₂ in Anhydrous Ammonia. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1023-1029	1.3	0
165	Reactions in Anhydrous Liquid Ammonia: Syntheses and Crystal Structures of [M(NH ₃) ₈] ₂ (M = Eu, Yb) with Bicapped Trigonal-Prismatic Octaammine Lanthanoid(II) Cations. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1396-1402	1.3	
164	Complexes featuring a linear [N?U?N] core isoelectronic to the uranyl cation. <i>Nature Chemistry</i> , 2020 , 12, 962-967	17.6	13
163	Momentum-resolved observation of ultrafast interlayer charge transfer between the topmost layers of MoS ₂ . <i>Physical Review B</i> , 2020 , 102,	3.3	4
162	Binary Lead Fluoride Pb F. <i>Chemistry - A European Journal</i> , 2019 , 25, 15656-15661	4.8	2
161	Reduction of 2,2'-Bipyridine by Quasi-Linear 3d-Metal(I) Silylamides: A Structural and Spectroscopic Study. <i>Inorganics</i> , 2019 , 7, 117	2.9	13

160	HKLF5Tools: a program for processing diffraction data of non-merohedrally twinned crystals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019 , 234, 415-418	1	5
159	The hyperfine puzzle of strong-field bound-state QED. <i>Hyperfine Interactions</i> , 2019 , 240, 1	0.8	3
158	Crystal Structures of Hf and N Nitrogen Trifluoride. <i>Inorganic Chemistry</i> , 2019 , 58, 6422-6430	5.1	1
157	HF-Free Synthesis of LiSiF:Mn : A Red-Emitting Phosphor. <i>Inorganic Chemistry</i> , 2019 , 58, 5518-5523	5.1	23
156	A Revised Structure Model for the UCl Structure Type, Novel Modifications of UCl and UBr , and a Comment on the Modifications of Protactinium Pentabromides. <i>Chemistry - A European Journal</i> , 2019 , 25, 6402-6411	4.8	4
155	UF and the High-Pressure Polymorph HP-UF . <i>Chemistry - A European Journal</i> , 2019 , 25, 7366-7374	4.8	
154	Synthesis and crystal structures of novel tertiary butyl substituted (pseudo-)halogen bismuthanes. <i>Dalton Transactions</i> , 2019 , 48, 5253-5262	4.3	14
153	Experimental Observation of Plasma Wakefield Growth Driven by the Seeded Self-Modulation of a Proton Bunch. <i>Physical Review Letters</i> , 2019 , 122, 054801	7.4	32
152	Experimental Observation of Proton Bunch Modulation in a Plasma at Varying Plasma Densities. <i>Physical Review Letters</i> , 2019 , 122, 054802	7.4	31
151	Synthesis and Characterization of $[\text{Br}][\text{MF}]$ ($\text{M}=\text{Sb}, \text{Ir}$), as well as Quantum Chemical Study of $[\text{Br}]$ Structure, Chemical Bonding, and Relativistic Effects Compared with $[\text{XBr}]$ ($\text{X}=\text{Br}, \text{I}, \text{At}, \text{Ts}$) and $[\text{TsZ}]$ ($\text{Z}=\text{F}, \text{Cl}, \text{Br}, \text{I}, \text{At}, \text{Ts}$). <i>Chemistry - A European Journal</i> , 2019 , 25, 5793-5802	4.8	7
150	Lewis Acidic Behavior of MoOF_4 towards the Alkali Metal Fluorides in Anhydrous Hydrogen Fluoride Solutions. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 3672-3682	2.3	8
149	Evolutionary Algorithm-Based Crystal Structure Prediction for Copper(I) Fluoride. <i>Chemistry - A European Journal</i> , 2019 , 25, 11528-11537	4.8	4
148	Proton-driven plasma wakefield acceleration in AWAKE. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180418	3	7
147	Rubidium tetrafluoridobromate(III): redetermination of the crystal structure from single-crystal X-ray diffraction data. <i>IUCrData</i> , 2019 , 4,	0.7	1
146	Half-metallicity in uranium intermetallics: crystal structure prediction of a high-pressure phase of UCo . <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 025501	1.8	0
145	Targeting Vacancies in Nitridosilicates: Aliovalent Substitution of M ($\text{M}=\text{Ca}, \text{Sr}$) by Sc and U . <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 840-843	16.4	3
144	The Crystal Structures of Hf and F Revisited. <i>Chemistry - A European Journal</i> , 2019 , 25, 3310-3317	4.8	2
143	Reactions of KBrF_4 with platinum metals. <i>Journal of Fluorine Chemistry</i> , 2019 , 218, 11-20	2.1	4

142	F-bridged Anions of Bromine and Gold: Predictions of Unexpected Behavior. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 284-291	1.3	6
141	Von elementarem Fluor und gewagten Experimenten. <i>Nachrichten Aus Der Chemie</i> , 2019 , 67, 54-58	0.1	1
140	New Nuclear Magnetic Moment of ^{209}Bi : Resolving the Bismuth Hyperfine Puzzle. <i>Physical Review Letters</i> , 2018 , 120, 093001	7.4	30
139	Photoluminescence quenching of dye molecules near a resonant silicon nanoparticle. <i>Scientific Reports</i> , 2018 , 8, 6107	4.9	23
138	The $[\text{U}_2\text{F}_{12}]^{2-}$ Anion of $\text{Sr}[\text{U}_2\text{F}_{12}]$. <i>Angewandte Chemie</i> , 2018 , 130, 2964-2968	3.6	5
137	$[\text{UCl}(\text{HCN})]$ - a hydrogen cyanide complex of uranium tetrachloride. <i>Chemical Communications</i> , 2018 , 54, 1241-1244	5.8	5
136	Structure and function of the archaeal response regulator CheY. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1259-E1268	11.5	31
135	The $[\text{U F}]$ Anion of $\text{Sr}[\text{U F}]$. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2914-2918	16.4	9
134	Facile Syntheses of pure Uranium(III) Halides: UF_3 , UCl_3 , UBr_3 , and UI_3 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 323-329	1.3	11
133	Synthesis and Characterization of Barium Hexafluoridoosmates. <i>Crystals</i> , 2018 , 8, 11	2.3	4
132	MoF_5 revisited. A comprehensive study of MoF_5 . <i>Journal of Fluorine Chemistry</i> , 2018 , 211, 171-179	2.1	12
131	Recent advances in the chemistry of uranium halides in anhydrous ammonia. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018 , 233, 817-844	1	7
130	A Neutron Diffraction and Quantum-Chemical Study of $[\text{Mn}(\text{ND}_3)_6](\text{N}_3)_2$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1349-1353	1.3	
129	Die Interhalogenkationen $[\text{Br}_2\text{F}_5]^+$ und $[\text{Br}_3\text{F}_8]^+$. <i>Angewandte Chemie</i> , 2018 , 130, 14850-14855	3.6	9
128	Redetermination of the crystal structure of $\text{K}[\text{BrF}_4]$ from single-crystal X-ray diffraction data. <i>IUCrData</i> , 2018 , 3,	0.7	6
127	AWAKE readiness for the study of the seeded self-modulation of a 400 GeV proton bunch. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 014046	2	27
126	Li_2PbF_6 and SrPbF_6 Revisited. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1721-1726	1.3	4
125	Targeting Vacancies in Nitridosilicates: Aliovalent Substitution of M^{2+} ($\text{M}=\text{Ca}, \text{Sr}$) by Sc^{3+} and U^{3+} . <i>Angewandte Chemie</i> , 2018 , 131, 850	3.6	

124	The Fluoroperovskite TlMnF ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1557-1561	1.3	0
123	Acceleration of electrons in the plasma wakefield of a proton bunch. <i>Nature</i> , 2018 , 561, 363-367	50.4	101
122	Synthesis and characterization of the pyridine-Bromine trifluoride (1/1) complex, [pyBrF ₃]. <i>Journal of Fluorine Chemistry</i> , 2018 , 215, 17-24	2.1	5
121	The Interhalogen Cations [Br F] and [Br F]. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14640-14644	16.4	11
120	Facile syntheses of pure uranium halides: UCl, UBr and UI. <i>Dalton Transactions</i> , 2017 , 46, 5835-5842	4.3	19
119	Crown Ether Complexes of Alkali-Metal Chlorides from SO. <i>Chemistry - A European Journal</i> , 2017 , 23, 9607-9617	4.8	27
118	Syntheses and Crystal Structures of Sodium Hydrogen Fluorides NaF \cdot nHF (n = 2, 3, 4). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1436-1443	1.3	7
117	A Simple Access to Pure Thorium(IV) Halides (ThCl ₄ , ThBr ₄ , and ThI ₄). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 2005-2010	1.3	9
116	A 1D Coordination Polymer of UF with HCN as a Ligand. <i>Chemistry - A European Journal</i> , 2017 , 23, 291-295	5.8	8
115	Nanosized Gadolinium and Uranium-Two Representatives of High-Reactivity Lanthanide and Actinide Metal Nanoparticles. <i>ACS Omega</i> , 2017 , 2, 9144-9149	3.9	11
114	The Decomposition Products of Sulfur Hexafluoride (SF ₆) with Metals Dissolved in Liquid Ammonia. <i>Inorganics</i> , 2017 , 5, 68	2.9	7
113	Redetermination of the crystal structure of KHg(SCN). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 1073-1075	0.7	
112	Redetermination of the crystal structure of NbF ₄ . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 1211-3	0.7	3
111	Trace Determination and Pressure Estimation of Fluorine F Caused by Irradiation Damage in Minerals and Synthetic Fluorides. <i>Chemistry - A European Journal</i> , 2016 , 22, 18388-18393	4.8	12
110	Auf neuen Pfaden über Anhalter durch die Berylliumchemie. <i>Angewandte Chemie</i> , 2016 , 128, 10718-10733	3.6	31
109	Off the Beaten Track-A Hitchhiker's Guide to Beryllium Chemistry. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10562-76	16.4	83
108	NOUF ₆ Revisited: A Comprehensive Study of a Hexafluoridouranate(V) Salt. <i>Chemistry - A European Journal</i> , 2016 , 22, 12145-53	4.8	9
107	Crystal structure of Ag ₂ (SCN) ₂ (NH ₃) ₄ . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 881-3	0.7	2

106	Synthesis and characterization of $\text{LiClO}_4 \cdot 2\text{H}_2\text{O}$. <i>Monatshefte Für Chemie</i> , 2016 , 147, 279-288	1.4	4
105	Crystal structure of $[\text{UO}(\text{NH})]\text{NO}[\text{NH}]$. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 1710-1713	0.7	2
104	Crystal structure of $[\text{Ag}(\text{NH})][\text{Ag}(\text{NH})][\text{SnF}_6]$, a compound showing argentophilic inter-actions. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 1860-1863	0.7	
103	Preparation of $\text{SiF}_4 \cdot (\text{NH}_3)_2$ and Its Higher Ammoniate $\text{SiF}_4 \cdot (\text{NH}_3)_2 \cdot n\text{NH}_3$ 2016 , 395-397		
102	Ammine Complexes of Na-, Ag-, Mn-, and Zn-Azides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 796-803	1.3	1
101	Automated generation of certification relevant documentation for a distributed avionics platform approach 2016 ,		4
100	A new look at NaBrF_4 : the most BrF_3 -rich tetrafluoridobromate(III) by mass. <i>Monatshefte Für Chemie</i> , 2016 , 147, 1661-1668	1.4	11
99	Synthesis of the fluorohydridoborate anions $[\text{BHF}]$ and $[1\text{-HFB-9,12-X-closo-1,2-CBH}]$ ($\text{X} = \text{H}, \text{I}$): deboronation of 1,2- and 1,7-dicarba-closo-dodecaboranes with anhydrous $[\text{MeN}]\text{F}$. <i>Chemical Communications</i> , 2016 , 52, 13241-13244	5.8	6
98	BrF and BrF_2 : peculiar anions showing π and σ bridging F-atoms. <i>Chemical Communications</i> , 2016 , 52, 12040-12043	5.8	21
97	Octaammine Eull and YbII Azides and Their Thermal Decompositions to the Nitrides. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4162-4169	2.3	5
96	Bis(triphenylphosphine)silver(I) perrhenate, a cyclic dimer. <i>Chemical Communications</i> , 2015 , 51, 6746-8	5.8	3
95	The reactions of TiCl_3 , and of UF_4 with TiCl_3 in liquid ammonia: unusual coordination spheres in $[\text{Ti}(\text{NH}_3)_8]\text{Cl}_3 \cdot 6\text{NH}_3$ and $[\text{UF}(\text{NH}_3)_8]\text{Cl}_3 \cdot 5\text{NH}_3$. <i>Chemical Communications</i> , 2015 , 51, 11826-9	5.8	6
94	On copper(I) fluorides, the cuprophilic interaction, the preparation of copper nitride at room temperature, and the formation mechanism at elevated temperatures. <i>Chemistry - A European Journal</i> , 2015 , 21, 3290-303	4.8	29
93	Na_2PtF_6 , its Crystal Structure, Characterization, and Ammonolysis to $[\text{Na}(\text{NH}_3)_3]_2[\text{PtF}_6]$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 298-303	1.3	1
92	$[\text{UO}_2(\text{NH}_3)_5]\text{Br}_2 \cdot 2\text{NH}_3$: synthesis, crystal structure, and speciation in liquid ammonia solution by first-principles molecular dynamics simulations. <i>Dalton Transactions</i> , 2015 , 44, 7332-7	4.3	7
91	Crystal structure of $[\text{Co}(\text{NH}_3)_6][\text{Co}(\text{CO})_4]_2$. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, 1418-20	0.7	2
90	A Facile Synthesis of Pure O_2PtF_6 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 2404-2407	1.4	4
89	RbBrF_4 Revisited. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 2593-2598	1.3	22

88	mer-Triammine trifluorido vanadium(III), mer-[VF ₃ (NH ₃) ₃]: synthesis and crystal structure. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2015 , 70, 161-164	1	2
87	Operando Characterization of Intermediates Produced in a Lithium-Sulfur Battery. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A1146-A1155	3.9	91
86	[Th ₁₀ (F ₁₆)(O ₄)(OH ₄)(NH ₃) ₃₂](NO ₃) ₈ ·9.6 NH ₃ [The Largest Thorium Complex from Solution known to Date. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1547-1550	1.3	20
85	Comment on "Fluorine in shark teeth: its direct atomic-resolution imaging and strengthening function". <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5502-3	16.4	
84	A new route to metal azides. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13695-7	16.4	25
83	Fluorides: Solid-State Chemistry 2014 , 1-30		
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