

Ingo Krossing

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377
papers

13,815
citations

61
h-index

99
g-index

429
ext. papers

15,267
ext. citations

6.4
avg, IF

6.85
L-index

#	Paper	IF	Citations
377	Noncoordinating anions--fact or fiction? A survey of likely candidates. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2066-90	16.4	889
376	Why are ionic liquids liquid? A simple explanation based on lattice and solvation energies. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13427-34	16.4	483
375	The facile preparation of weakly coordinating anions: structure and characterisation of silverpolyfluoroalkoxyaluminates AgAl(ORF) ₄ , calculation of the alkoxide ion affinity. <i>Chemistry - A European Journal</i> , 2001 , 7, 490-502	4.8	395
374	Nichtkoordinierende Anionen – Traum oder Wirklichkeit? Eine Übersicht zu möglichen Kandidaten. <i>Angewandte Chemie</i> , 2004 , 116, 2116-2142	3.6	352
373	Dielectric response of imidazolium-based room-temperature ionic liquids. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 12682-8	3.4	280
372	How to predict the physical properties of ionic liquids: a volume-based approach. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5384-8	16.4	210
371	Taming the Cationic Beast: Novel Developments in the Synthesis and Application of Weakly Coordinating Anions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13982-14024	16.4	198
370	Reactive p-block cations stabilized by weakly coordinating anions. <i>Chemical Society Reviews</i> , 2016 , 45, 789-899	58.5	195
369	Chemistry with weakly-coordinating fluorinated alkoxyaluminate anions: Gas phase cations in condensed phases?. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 2721-2744	23.2	190
368	Dative bonds in main-group compounds: a case for fewer arrows!. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 370-4	16.4	177
367	The dielectric response of room-temperature ionic liquids: effect of cation variation. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4775-80	3.4	173
366	Structures of the Reactive Intermediates in Organocatalysis with Diarylprolinol Ethers. <i>Helvetica Chimica Acta</i> , 2009 , 92, 1225-1259	2	148
365	Making sense of enthalpy of vaporization trends for ionic liquids: new experimental and simulation data show a simple linear relationship and help reconcile previous data. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 6473-86	3.4	142
364	Simple Access to the Non-Oxidizing Lewis superacid PhF → Al(OR(F)) ₃ (R(F) = C(CF ₃) ₃). <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7659-63	16.4	134
363	Recent advances in the understanding of the syntheses, structures, bonding and energetics of the homopolyatomic cations of Groups 16 and 17. <i>Coordination Chemistry Reviews</i> , 2000 , 197, 397-481	23.2	129
362	From unsuccessful H ₂ -activation with FLPs containing B(OHfp) ₃ to a systematic evaluation of the Lewis acidity of 33 Lewis acids based on fluoride, chloride, hydride and methyl ion affinities. <i>Dalton Transactions</i> , 2015 , 44, 7489-99	4.3	128
361	Relative stabilities of weakly coordinating anions: a computational study. <i>Chemistry - A European Journal</i> , 2004 , 10, 5017-30	4.8	121

- 360 Dative or not dative?. *Angewandte Chemie - International Edition*, **2014**, 53, 6047-8 16.4 116
- 359 A unified pH scale for all phases. *Angewandte Chemie - International Edition*, **2010**, 49, 6885-8 16.4 116
- 358 Donorfreie und donorhaltige supersilylalkalimetalle tBu₃SiM₁: Synthesen, charakterisierung, strukturen. *Journal of Organometallic Chemistry*, **1997**, 542, 1-18 2.3 109
- 357 Ag(P₄)₂(+): the first homoleptic metal-phosphorus cation. *Journal of the American Chemical Society*, **2001**, 123, 4603-4 16.4 107
- 356 In Silico Prediction of Molecular Volumes, Heat Capacities, and Temperature-Dependent Densities of Ionic Liquids. *Industrial & Engineering Chemistry Research*, **2009**, 48, 2290-2296 3.9 106
- 355 From weakly coordinating to non-coordinating anions? A simple preparation of the silver salt of the least coordinating anion and its application to determine the ground state structure of the Ag(eta²-P₄)₂⁺ cation. *Chemistry - A European Journal*, **2004**, 10, 5041-51 4.8 105
- 354 A stable salt of the tris(ethene)silver cation: structure and characterization of [Ag(eta²-C₂H₄)₃]⁺[Al[OC(CF₃)₃]₄]⁻. *Angewandte Chemie - International Edition*, **2003**, 42, 5725-8 16.4 103
- 353 [Au₃Ge₄₅]⁹⁻ --a binary anion containing a {Ge₄₅} cluster. *Angewandte Chemie - International Edition*, **2007**, 46, 5310-3 16.4 101
- 352 Reversible formation of polymeric chains by coordination of pentaphosphaferrocene with silver(I) cations. *Angewandte Chemie - International Edition*, **2006**, 45, 5689-93 16.4 99
- 351 : enhanced modelling and refinement of disordered structures with. *Journal of Applied Crystallography*, **2015**, 48, 933-938 3.8 96
- 350 [Si(SiMe(3))(3)](6)Ge(18)M (M = Cu, Ag, Au): metalloid cluster compounds as unusual building blocks for a supramolecular chemistry. *Dalton Transactions*, **2008**, 4436-41 4.3 94
- 349 PX₄⁺, P₂X₅⁺, and P₅X₂⁺ (X=Br, I) salts of the superweak Al(OR)₄⁻ anion [R=C(CF₃)₃]. *Chemistry - A European Journal*, **2002**, 8, 4475-92 4.8 94
- 348 Superweak complexes of tetrahedral P₄ molecules with the silver cation of weakly coordinating anions. *Chemistry - A European Journal*, **2002**, 8, 700-11 4.8 93
- 347 Supramolecular bidentate ligands by metal-directed in situ formation of antiparallel beta-sheet structures and application in asymmetric catalysis. *Chemistry - A European Journal*, **2008**, 14, 4488-502 4.8 91
- 346 Ionic liquid-mediated technology to produce cellulose nanocrystals directly from wood. *Carbohydrate Polymers*, **2015**, 134, 609-16 10.3 89
- 345 New reagents to introduce weakly coordinating anions of type Al(ORF)₄⁻ synthesis, structure and characterization of Cs and trityl salts. *Journal of Fluorine Chemistry*, **2001**, 112, 83-90 2.1 89
- 344 Crystal structure determination of the nonclassical 2-norbornyl cation. *Science*, **2013**, 341, 62-4 33.3 87
- 343 P(5)X(2)(+) (X=Br, I), a Phosphorus-Rich Binary P-X Cation with a C(2v)-Symmetric P(5) Cage This work was supported by the Deutsche Forschungsgemeinschaft and the Fonds der Chemischen Industrie. We thank Prof. H. Schnökel for valuable discussions.. *Angewandte Chemie - International Edition*, **2001**, 40, 4106-4109 16.4 87

- 342 Inhibiting Polysulfide Shuttle in Lithium-Sulfur Batteries through Low-Ion-Pairing Salts and a Triflamide Solvent. *Angewandte Chemie - International Edition*, **2017**, 56, 6192-6197 16.4 86
- 341 In silico prediction of the melting points of ionic liquids from thermodynamic considerations: a case study on 67 salts with a melting point range of 337 degrees C. *Journal of Physical Chemistry B*, **2010**, 114, 11133-40 3.4 86
- 340 Weak arene stabilization of bulky amido-germanium(II) and tin(II) monocations. *Angewandte Chemie - International Edition*, **2012**, 51, 9557-61 16.4 84
- 339 A simple route to univalent gallium salts of weakly coordinating anions. *Angewandte Chemie - International Edition*, **2010**, 49, 3228-31 16.4 84
- 338 Tetraalkylammonium salts of weakly coordinating aluminates: ionic liquids, materials for electrochemical applications and useful compounds for anion investigation. *Chemistry - A European Journal*, **2009**, 15, 1966-76 4.8 82
- 337 How to Predict the Physical Properties of Ionic Liquids: A Volume-Based Approach. *Angewandte Chemie*, **2007**, 119, 5480-5484 3.6 81
- 336 Homoleptic Cu-phosphorus and Cu-ethene complexes. *Chemical Communications*, **2007**, 5046-8 5.8 79
- 335 Homoleptic silver(I) acetylene complexes. *Angewandte Chemie - International Edition*, **2007**, 46, 8295-8 16.4 79
- 334 Die Schöne (WCA) und das (kationische) Biest: Neues aus der Chemie von und mit schwach koordinierenden Anionen. *Angewandte Chemie*, **2018**, 130, 14178-14221 3.6 78
- 333 Applying the unified pH scale: absolute acidities in the gas phase and anchor points for eleven representative liquid media. *Journal of Cheminformatics*, **2012**, 4, 8.6 78
- 332 Quantum chemical calculations on a unified pH scale for all phases. *Journal of Cheminformatics*, **2011**, 3, 8.6 78
- 331 Temperature dependence of the viscosity and conductivity of mildly functionalized and non-functionalized [Tf2N](-) ionic liquids. *ChemPhysChem*, **2011**, 12, 2296-310 3.2 75
- 330 Semi-Empirical Methods to Predict the Physical Properties of Ionic Liquids: An Overview of Recent Developments. *Zeitschrift Fur Physikalische Chemie*, **2006**, 220, 1343-1359 3.1 75
- 329 Dative Bindungen bei Hauptgruppenelementverbindungen: ein Pfeil oder weniger Pfeile. *Angewandte Chemie*, **2014**, 126, 378-382 3.6 73
- 328 Hydrodefluorination of non-activated C-F bonds by diisobutyl-aluminiumhydride via the aluminium cation [i-Bu2Al]+. *Tetrahedron Letters*, **2007**, 48, 8900-8903 2 73
- 327 Reversible Bildung von Polymerketten durch Koordination von Pentaphosphaferrocen an Silber(I)-Ionen. *Angewandte Chemie*, **2006**, 118, 5818-5822 3.6 73
- 326 Approaching the gas-phase structures of [AgS8]+ and [AgS16]+ in the solid state. *Chemistry - A European Journal*, **2002**, 8, 3386-401 4.8 73
- 325 Stoichiometric Reduction of CO2 to CO by Phosphine/AlX3-Based Frustrated Lewis Pairs. *Organometallics*, **2013**, 32, 4416-4422 3.8 72

324	Silver-ethene complexes [Ag(eta(2)-C2H4)n][Al(OR(F))4] with n = 1, 2, 3 (R(F) = fluorine-substituted group). <i>Chemistry - A European Journal</i> , 2009 , 15, 9505-20	4.8	67
323	Ein leichter Zugang zur nicht-oxidierenden Lewis-Supersäure PhF→Al(ORF)3 (RF=C(CF3)3). <i>Angewandte Chemie</i> , 2008 , 120, 7772-7776	3.6	67
322	Synthesis of room-temperature ionic liquids with the weakly coordinating [Al(ORF)4]- anion (RF=C(H)(CF3)2) and the determination of their principal physical properties. <i>Chemistry - A European Journal</i> , 2010 , 16, 13139-54	4.8	66
321	Perfluorinated Alkoxyaluminate Salts of Cationic Brønsted Acids: Synthesis, Structure, and Characterization of [H(OEt2)2][Al{OC(CF3)3}4] and [H(THF)2][Al{OC(CF3)3}4]. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 1979-1989	2.3	65
320	Reactions of P4 and I2 with Ag[Al(OC(CF3)3)4]: from elusive polyphosphorus cations to subvalent P3I6+ and phosphorus rich P5I2+. <i>Dalton Transactions RSC</i> , 2002 , 500		65
319	Unusual tilted carbene coordination in carbene complexes of gallium(I) and indium(I). <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4941-4	16.4	64
318	Univalent Gallium Salts of Weakly Coordinating Anions: Effective Initiators/Catalysts for the Synthesis of Highly Reactive Polyisobutylene. <i>Organometallics</i> , 2013 , 32, 6725-6735	3.8	63
317	Bonding, structure, and energetics of gaseous E8(2+) and of solid E8(AsF6)2 (E = S, Se). <i>Inorganic Chemistry</i> , 2000 , 39, 5614-31	5.1	63
316	Is universal, simple melting point prediction possible?. <i>ChemPhysChem</i> , 2011 , 12, 2959-72	3.2	61
315	An experimental and theoretical study of the aluminium species present in mixtures of AlCl3 with the ionic liquids [BMP]Tf2N and [EMIm]Tf2N. <i>Chemistry - A European Journal</i> , 2009 , 15, 3426-34	4.8	61
314	Structure and characterization of Cl3+[Al(OC(CF3)3)4]-; Lewis acidities of CX3+ and BX3. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1531-4	16.4	60
313	In silico predictions of the temperature-dependent viscosities and electrical conductivities of functionalized and nonfunctionalized ionic liquids. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 300-9	3.4	57
312	Extending the coordination chemistry of molecular P(4)S(3): the polymeric Ag(P(4)S(3))(+) and Ag(P(4)S(3))(2)(+) cations. <i>Journal of the American Chemical Society</i> , 2002 , 124, 7111-6	16.4	57
311	[P9]+ [Al(OR(F))4]-, the salt of a homopolyatomic phosphorus cation. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6529-31	16.4	56
310	Self-assemblies based on [Cp2Mo2(CO)4(micro,eta2-P2)]-solid-state structure and dynamic behaviour in solution. <i>Chemistry - A European Journal</i> , 2008 , 14, 282-95	4.8	56
309	The Aluminum-Nitrogen Bond in Monomeric Bis(amino)alanes: A Systematic Experimental Study of Bis(tetramethylpiperidino)alanes and Quantum Mechanical Calculations on the Model System (H2N)2AlY. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 1095-1114	2.3	55
308	Organometallics versus P4Complexes of Group 11 Cations: Periodic Trends and Relativistic Effects in the Involvement of (n-1)d,ns, andnp Orbitals in Metal-Ligand Interactions. <i>Organometallics</i> , 2004 , 23, 2343-2349	3.8	55
307	[Au3Ge45]9- ein binäres Cluster-Anion mit einer {Ge45}-Einheit. <i>Angewandte Chemie</i> , 2007 , 119, 5404-5407.6	3.6	54

306	P5X2+ (X=Br, I), ein phosphorreiches binäres P-X-Kation mit einem C2v-symmetrischen P5-Kfig. <i>Angewandte Chemie</i> , 2001 , 113, 4544-4547	3.6	53
305	Twisted pyrene-fused azaacenes. <i>Chemical Communications</i> , 2014 , 50, 1976-9	5.8	52
304	Structural characterization of a base-stabilized [Zn2]2+ cation. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5748-51	16.4	52
303	Univalent gallium and indium phosphane complexes: from pyramidal M(PPh3)3(+) to carbene-analogous bent M(PtBu3)2(+) (M=Ga, In) complexes. <i>Chemistry - A European Journal</i> , 2012 , 18, 10029-34	4.8	51
302	Free volume in ionic liquids: a connection of experimentally accessible observables from PALS and PVT experiments with the molecular structure from XRD data. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8821-30	3.6	51
301	Facile access to the pnictocenium ions [Cp*EC]+ (E = P, As) and [(Cp*)2P]+: chloride ion affinity of Al(OR(F))3. <i>Chemistry - A European Journal</i> , 2011 , 17, 12975-80	4.8	51
300	[7]-Helicene: a chiral molecular tweezer for silver(I) salts. <i>Dalton Transactions</i> , 2012 , 41, 8238-41	4.3	50
299	Ionic liquids: predictions of physicochemical properties with experimental and/or DFT-calculated LFER parameters to understand molecular interactions in solution. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 6040-50	3.4	49
298	Synthesis, characterization, and application of two Al(OR(F))3 Lewis superacids. <i>Chemistry - A European Journal</i> , 2012 , 18, 9371-80	4.8	48
297	The Influence of the Precipitation/Ageing Temperature on a Cu/ZnO/ZrO2 Catalyst for Methanol Synthesis from H2 and CO2. <i>ChemCatChem</i> , 2014 , 6, 1721-1730	5.2	47
296	Synthesis and Structures of Sodium Phenylhydrazides. <i>Chemische Berichte</i> , 1997 , 130, 1053-1062		46
295	A Stable Salt of the Tris(ethene)silver Cation: Structure and Characterization of [Ag(1,2-C2H4)3]+[Al{OC(CF3)3}4]- <i>Angewandte Chemie</i> , 2003 , 115, 5903-5906	3.6	46
294	A Janus-headed Lewis superacid: simple access to, and first application of Me3Si-F-Al(OR(F))3. <i>Chemistry - A European Journal</i> , 2014 , 20, 1218-22	4.8	45
293	In silico modelling for predicting the cationic hydrophobicity and cytotoxicity of ionic liquids towards the Leukemia rat cell line, <i>Vibrio fischeri</i> and <i>Scenedesmus vacuolatus</i> based on molecular interaction potentials of ions. <i>SAR and QSAR in Environmental Research</i> , 2013 , 24, 863-82	3.5	45
292	Free volume in imidazolium triflimide ([C3MIM][NTf2]) ionic liquid from positron lifetime: amorphous, crystalline, and liquid states. <i>Journal of Chemical Physics</i> , 2010 , 133, 124502	3.9	45
291	Synthesis and characterization of an Al(69)(3-) cluster with 51 naked Al atoms: analogies and differences to the previously characterized Al(77)(2-) cluster. <i>Inorganic Chemistry</i> , 2001 , 40, 4830-8	5.1	45
290	Dativ oder nicht dativ?. <i>Angewandte Chemie</i> , 2014 , 126, 6159-6160	3.6	44
289	Novel photoacid generators for cationic photopolymerization. <i>Polymer Chemistry</i> , 2017 , 8, 4414-4421	4.9	44

288	Endlich positiv: [P9]+[Al{OC(CF3)3}4] das Salz eines homopolyatomaren Phosphorkations. <i>Angewandte Chemie</i> , 2012 , 124, 6635-6637	3.6	44
287	[HMIM][Br9]: a Room-temperature Ionic Liquid Based on a Polybromide Anion. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 1103-1107	1	44
286	Anchor points for the unified Brønsted acidity scale: the rCCC model for the calculation of standard Gibbs energies of proton solvation in eleven representative liquid media. <i>Chemistry - A European Journal</i> , 2011 , 17, 5808-26	4.8	43
285	Cu[Al(OR(F))4] starting materials and their application in the preparation of [Cu(S(n))]+ (n=12, 8) complexes. <i>Chemistry - A European Journal</i> , 2009 , 15, 6663-77	4.8	43
284	Ein einfacher Zugang zu einwertigen Gallium-Salzen mit schwach koordinierenden Anionen. <i>Angewandte Chemie</i> , 2010 , 122, 3297-3301	3.6	43
283	Going full circle: phase-transition thermodynamics of ionic liquids. <i>Chemistry - A European Journal</i> , 2011 , 17, 6508-17	4.8	42
282	AgOC(CF3)3: Synthesis and Applications of the First Donor-Free Silver(I) Alkoxide <i>Organometallics</i> , 2007 , 26, 2096-2105	3.8	42
281	Univalent gallium complexes of simple and ansa-arene ligands: effects on the polymerization of isobutylene. <i>Chemistry - A European Journal</i> , 2015 , 21, 157-65	4.8	41
280	Size matters! On the way to ionic liquid systems without ion pairing. <i>Chemistry - A European Journal</i> , 2014 , 20, 9794-804	4.8	41
279	The reaction of white phosphorus with NO+/NO2(+)[Al(OR(F))4]-: the [P4NO]+ cluster formed by an unexpected nitrosonium insertion. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8139-43	16.4	41
278	Homoleptische Silber(I)-Acetylen-Komplexe. <i>Angewandte Chemie</i> , 2007 , 119, 8445-8449	3.6	41
277	Synthesis and Nonlinear Optical Properties of Carbonylrhenium Bromide Complexes with Conjugated Pyridines. <i>European Journal of Inorganic Chemistry</i> , 1999 , 1999, 483-490	2.3	41
276	Cationic cluster formation versus disproportionation of low-valent indium and gallium complexes of 2,2'-bipyridine. <i>Nature Communications</i> , 2015 , 6, 8288	17.4	40
275	Disodium Tetrasupersilyltetragallanediide Na2Ga4R*4 THF (R* = SitBu3) [Preparation of a Novel Gallium Cluster Compound via Dichlorodisupersilyldigallane R*2Ga2Cl2. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 351-356	2.3	40
274	A unified view to Brønsted acidity scales: do we need solvated protons?. <i>Chemical Science</i> , 2017 , 8, 6964-6973	4.3	39
273	Iridium derivatives of fluorinated aromatics by C-H activation: isolation of classical and non-classical hydrides. <i>Dalton Transactions</i> , 2008 , 5197-206	4.3	39
272	A Thallium Coated Dianion: Trigonal Bipyramidal [F2Al(OR)3]2 Coordinated to Three Tl+ Cations in the Ion Pair [Tl3F2Al(OR)3]+[Al(OR)4]- [R = CH(CF3)2]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 1821	1.3	39
271	Free volume and phase transitions of 1-butyl-3-methylimidazolium based ionic liquids from positron lifetime spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6856-68	3.6	38

- 270 A systematic investigation of coinage metal carbonyl complexes stabilized by fluorinated alkoxy aluminates. *Chemistry - A European Journal*, **2013**, 19, 12468-85 4.8 38
- 269 Eine vereinheitlichte pH-Skala für alle Phasen. *Angewandte Chemie*, **2010**, 122, 7037-7040 3.6 38
- 268 Predicting the critical micelle concentrations of aqueous solutions of ionic liquids and other ionic surfactants. *Chemistry - A European Journal*, **2009**, 15, 8880-5 4.8 37
- 267 Ionic Liquids with Weakly Coordinating $[M(III)(OR(F))_4]^-$ Anions. *Accounts of Chemical Research*, **2015**, 48, 2537-46 24.3 36
- 266 Cyclododecasulfur as a ligand: from gas-phase experiments to the crystal structures of $[Cu(S_{12})(S_8)]^+$ and $[Cu(S_{12})(CH_2Cl_2)]^+$. *Angewandte Chemie - International Edition*, **2009**, 48, 1133-7 16.4 36
- 265 Synthesis and X-ray Crystal Structure of $(tmp)_2Al-Fe(cp)(CO)_2$: An Alanyl-Containing Iron Complex with a Tricoordinated Aluminum Atom. *Inorganic Chemistry*, **1997**, 36, 1979-1981 5.1 36
- 264 A computational study of Sb_nF_{5n} ($n = 1-4$): Implications for the fluoride ion affinity of $nSbF_5$. *Journal of Fluorine Chemistry*, **2004**, 125, 1585-1592 2.1 36
- 263 Superacidity of closo-dodecaborate-based Brønsted acids: a DFT study. *Journal of Physical Chemistry A*, **2015**, 119, 735-43 2.8 35
- 262 $Na[B(hfip)_4]$ ($hfip = OC(H)(CF_3)_2$): a weakly coordinating anion salt and its first application to prepare ionic liquids. *Dalton Transactions*, **2011**, 40, 8114-24 4.3 35
- 261 Preference of $np\pi$ Bonding ($n = 3, 4$) over Purely σ Bonded Species in M_2^{2+} ($M = S, Se$): Geometries, Bonding, and Energetics of Several M_2^{2+} Isomers. *Inorganic Chemistry*, **1999**, 38, 5203-5211 5.1 35
- 260 Facile and systematic access to the least-coordinating WCA $[(RO)Al-F-Al(OR)]$ and its more Lewis-basic brother $[F-Al(OR)]$ ($R = C(CF_3)$). *Chemical Science*, **2018**, 9, 7058-7068 9.4 34
- 259 The protoelectric potential map (PPM): an absolute two-dimensional chemical potential scale for a global understanding of chemistry. *Chemistry - A European Journal*, **2014**, 20, 4194-211 4.8 34
- 258 Synthesis and Application of Strong Brønsted Acids Generated from the Lewis Acid $Al(ORF)_3$ and an Alcohol. *Organometallics*, **2012**, 31, 7485-7491 3.8 34
- 257 Cooperative effect of a classical and a weak hydrogen bond for the metal-induced construction of a self-assembled beta-turn mimic. *Chemistry - A European Journal*, **2009**, 15, 10405-22 4.8 34
- 256 Hexaazatrinaphthylenes with different twists. *Chemistry - A European Journal*, **2014**, 20, 1525-8 4.8 33
- 255 Isolated cationic crown ether complexes of gallium(I) and indium(I). *Dalton Transactions*, **2012**, 41, 12011-5 4.5 33
- 254 Establishing consistent van der Waals volumes of polyatomic ions from crystal structures. *ChemPhysChem*, **2013**, 14, 3221-6 3.2 33
- 253 Dynamics and counterion-dependence of the structures of weakly bound Ag^+-P4S_3 complexes. *Chemistry - A European Journal*, **2007**, 13, 7510-22 4.8 33

252	Poly(oxyethylene) dimethyl ether synthesis & combined chemical equilibrium investigation towards an increasingly efficient and potentially sustainable synthetic route. <i>Reaction Chemistry and Engineering</i> , 2017 , 2, 50-59	4.9	32
251	Ab initio study of CO ₂ hydrogenation mechanisms on inverse ZnO/Cu catalysts. <i>Journal of Catalysis</i> , 2018 , 360, 168-174	7.3	32
250	[Ni(cod) ₂][Al(OR(F)) ₄], a Source for Naked Nickel(I) Chemistry. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14706-9	16.4	32
249	Weak Arene Stabilization of Bulky Amido-Germanium(II) and Tin(II) Monocations. <i>Angewandte Chemie</i> , 2012 , 124, 9695-9699	3.6	32
248	Silver complexes of cyclic hexachlorotriphosphazene. <i>Chemistry - A European Journal</i> , 2006 , 12, 1997-2008	11.88	32
247	Lithium and Sodium Alkoxy- and Aryloxyhydridoaluminates in Solution and in the Solid State. <i>Chemistry - A European Journal</i> , 1998 , 4, 2191-2203	4.8	31
246	Thermal hysteresis in dithiadiazolyl and dithiazolyl radicals induced by supercooling of paramagnetic liquids close to room temperature: a study of F ₃ CCN ₂ SSN and an interpretation of the behaviour of F ₃ CCSN ₂ SCCF ₃ . <i>Chemical Communications</i> , 2002 , 1836-7	5.8	31
245	Catalytic Use of Low-Valent Cationic Gallium(I) Complexes as Lewis Acids. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 544-549	5.6	30
244	Reactions of a cyclodimethylsiloxane (Me ₂ SiO) ₆ with silver salts of weakly coordinating anions; crystal structures of [Ag(Me ₂ SiO) ₆][Al] ([Al] = [Al{OC(CF ₃) ₃ } ₃], [Al{OC(CF ₃) ₃ } ₄]) and their comparison with [Ag(18-crown-6)] ₂ [SbF ₆] ₂ . <i>Inorganic Chemistry</i> , 2013 , 52, 3113-26	5.1	30
243	Unified pH values of liquid chromatography mobile phases. <i>Analytical Chemistry</i> , 2015 , 87, 2623-30	7.8	30
242	Communication: Are hydrodynamic models suited for describing the reorientational dynamics of ions in ionic liquids? A case study of methylimidazolium tetra(hexafluoroisopropoxy)aluminates. <i>Journal of Chemical Physics</i> , 2010 , 133, 101101	3.9	30
241	Struktur und Charakterisierung von Cl ₃ ⁺ [Al{OC(CF ₃) ₃ } ₄] ⁻ Lewis-Aciditäten von CX ₃ ⁺ und BX ₃ . <i>Angewandte Chemie</i> , 2003 , 115, 1569-1572	3.6	30
240	CCL ₃ ⁺ and CBr ₃ ⁺ salts with the [Al(OR(F)) ₄] ⁻ and [((F)RO) ₃ Al-F-Al(OR(F)) ₃] ⁻ anions (R(F) = C(CF ₃) ₃). <i>Dalton Transactions</i> , 2011 , 40, 1448-52	4.3	29
239	[AlCp ₂] ⁺ : Structure, Properties and Isobutene Polymerization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 1787-1793	1.3	29
238	Basic Remarks on Acidity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4386-4411	16.4	29
237	The Lewis superacid Al[N(CF ₃) ₂] and its higher homolog Ga[N(CF ₃) ₂] - structural features, theoretical investigation and reactions of a metal amide with higher fluoride ion affinity than SbF ₅ . <i>Chemical Science</i> , 2018 , 9, 245-253	9.4	28
236	Synthesis and characterization of boranate ionic liquids (BILs). <i>Chemistry - A European Journal</i> , 2012 , 18, 2254-62	4.8	28
235	Ungewöhnliche gekippte Carbenkoordination in Carbenkomplexen von Gallium(I) und Indium(I). <i>Angewandte Chemie</i> , 2013 , 125, 5041-5044	3.6	28

- 234 Stereoselective Reduction of 2-Hydroxy Ketones towards syn- and anti-1,2-Diols. *Advanced Synthesis and Catalysis*, **2011**, 353, 2359-2362 5.6 28
- 233 Al(5)Br(7) small middle dot5 THF-The First Saltlike Aluminum Subhalide. *Angewandte Chemie - International Edition*, **2000**, 39, 3691-3694 16.4 28
- 232 Empirical description and prediction of ionic liquids' properties with augmented volume-based thermodynamics. *Journal of Molecular Liquids*, **2014**, 192, 3-8 6 27
- 231 Superacidic or not? Synthesis, characterisation, and acidity of the room-temperature ionic liquid [C(CH₃)₃]⁺ [Al₂Br₇]⁻. *Chemistry - A European Journal*, **2013**, 19, 109-16 4.8 27
- 230 Metastable Se₆ as a ligand for Ag⁺: from isolated molecular to polymeric 1D and 2D structures. *Dalton Transactions*, **2011**, 40, 5865-80 4.3 27
- 229 In-between complex and cluster: a 14-vertex cage in [Ag₂Se₁₂]₂⁺. *Angewandte Chemie - International Edition*, **2011**, 50, 11253-6 16.4 27
- 228 Die Reaktion des weißen Phosphors mit NO⁺/NO₂⁺[Al(ORF)₄]-Bildung von [P₄NO]⁺ durch eine unerwartete Nitrosonium-Insertion. *Angewandte Chemie*, **2010**, 122, 8316-8320 3.6 27
- 227 Stable Cl₃⁺ salts and attempts to prepare CH₂⁺ and CH₂I⁺. *Dalton Transactions*, **2008**, 946-56 4.3 27
- 226 Synthesis and Structures of Alkaline-Earth Metal Supersilanides: tBu₃SiMX and tBu₃SiMBitBu₃ (M = Be, Mg; X = Cl, Br). *European Journal of Inorganic Chemistry*, **2003**, 2003, 666-670 2.3 27
- 225 Recent improvements in DSR. *Journal of Applied Crystallography*, **2018**, 51, 928-934 3.8 26
- 224 Ag[Fe(CO)₅]₂⁽⁺⁾: a bare silver complex with Fe(CO)₅ as a ligand. *Angewandte Chemie - International Edition*, **2014**, 53, 13460-2 16.4 26
- 223 Towards a Sustainable Synthesis of Oxymethylene Dimethyl Ether by Homogeneous Catalysis and Uptake of Molecular Formaldehyde. *Angewandte Chemie - International Edition*, **2018**, 57, 9461-9464 16.4 25
- 222 Flor Coordination? Complexes of Univalent Gallium Salts with Aromatic Nitrogen Bases. *European Journal of Inorganic Chemistry*, **2014**, 2014, 4335-4341 2.3 25
- 221 Homoleptic Gold Acetonitrile Complexes with Medium to Very Weakly Coordinating Counterions: Effect on Auophilicity?. *Chemistry - A European Journal*, **2016**, 22, 15085-15094 4.8 25
- 220 Multiphase minireactor system for direct fluorination of ethylene carbonate. *Chemical Engineering Journal*, **2012**, 179, 330-337 14.7 24
- 219 Recent advances in the syntheses of homopolyatomic cations of the non metallic elements C, N, P, S, Cl, Br, I and Xe. *Coordination Chemistry Reviews*, **2013**, 257, 946-955 23.2 24
- 218 The Parent Cyclopentadienyltin Cation, Its Toluene Adduct, and the Quadruple-Decker [Sn Cp]. *Angewandte Chemie - International Edition*, **2017**, 56, 2880-2884 16.4 23
- 217 Weakly Coordinating Anions: Fluorinated Alkoxyaluminates **2013**, 681-705 23

216	Bis(tetramethylpiperidino)aluminum Halide Adducts tmp2AlX (Do) and Tetrahaloaluminates of Tricoordinated Aluminum Cations [tmp2Al(Do)]AlX ₄ . <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 927-939	2.3	23
215	Absolute Brønsted Acidities and pH Scales in Ionic Liquids. <i>ChemPhysChem</i> , 2015 , 16, 1428-39	3.2	22
214	Charge-scaling effect in ionic liquids from the charge-density analysis of N,N'-dimethylimidazolium methylsulfate. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3143-6	16.4	22
213	[Au(η-C ₂ H ₄) ₃] ⁺ [Al(ORF) ₄] ⁻ Stable Homoleptic (Ethene)gold Complex. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2712-2717	2.3	22
212	Gold(I)-1,3-diene complexes: connecting structure, bonding, and reactivity. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11576-8	16.4	22
211	Cyclododecasulfur as a Ligand: From Gas-Phase Experiments to the Crystal Structures of [Cu(S ₁₂)(S ₈)] ⁺ and [Cu(S ₁₂)(CH ₂ Cl ₂)] ⁺ . <i>Angewandte Chemie</i> , 2009 , 121, 1153-1157	3.6	22
210	Synthesis and Structures of Bis(tetramethylpiperidino)aluminum Halides-X-ray Crystal Structures of tmp2AlX (X = Cl, Br, I) and [tmp2A1(EF)] ₂ . <i>Chemische Berichte</i> , 1997 , 130, 1047-1052		22
209	AgOC(CF ₃) ₃ and AgOSiPr ₃ -synthesis and characterization of a donor-free silver(I) alkoxide and silyl oxide. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6997-7000	16.4	22
208	Preparation of stable AsBr ₄ ⁺ and I ₂ As-PI ₃ ⁺ salts. Why didn't we succeed to prepare AsI ₄ ⁺ and As ₂ X ₅ ⁺ ? A combined experimental and theoretical study. <i>Dalton Transactions</i> , 2005 , 1203-13	4.3	22
207	From Ion-Like Ethylzinc Aluminates to [EtZn(arene)] [Al(OR)] Salts. <i>Chemistry - A European Journal</i> , 2016 , 22, 15847-15855	4.8	21
206	Anodic oxidation of organometallic sandwich complexes using [Al(OC(CF ₃) ₃) ₄] ⁻ Br [AsF ₆] ⁻ as the supporting electrolyte anion. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 1091-1095	2.1	21
205	Tetracationic Gallium Cluster Cations. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14203-14206	16.4	21
204	Fluorination of Li-Rich Lithium-Ion-Battery Cathode Materials by Fluorine Gas: Chemistry, Characterization, and Electrochemical Performance in Half Cells. <i>ChemElectroChem</i> , 2019 , 6, 3337-3349	4.3	20
203	Lithium Bis(2,2,2-trifluoroethyl)phosphate Li[O ₂ P(OCH ₂ CF ₃) ₂]: A High Voltage Additive for LNMO/Graphite Cells. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A2569-A2576	3.9	20
202	The superacid HBr/AlBr ₃ : protonation of benzene and ordered crystal structure of [C(6)H(7)] ⁺ [Al(2)Br(7)] ⁻ . <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1689-92	16.4	20
201	Strukturelle Charakterisierung eines basenstabilisierten [Zn ₂] ²⁺ -Kations. <i>Angewandte Chemie</i> , 2009 , 121, 5859-5862	3.6	20
200	Cationic P-S-X cages (X=Br, I). <i>Chemistry - A European Journal</i> , 2006 , 12, 1703-14	4.8	20
199	Basis set and correlation effects in the calculation of accurate gas phase dimerization energies of two M to give M (M = S, Se). <i>Journal of Computational Chemistry</i> , 2000 , 21, 218-226	3.5	20

- 198 Inhibiting Polysulfide Shuttle in Lithium-Sulfur Batteries through Low-Ion-Pairing Salts and a Triflamide Solvent. *Angewandte Chemie*, **2017**, 129, 6288-6293 3.6 19
- 197 Stable salts of the hexacarbonyl chromium(I) cation and its pentacarbonyl-nitrosyl chromium(I) analogue. *Nature Communications*, **2019**, 10, 624 17.4 19
- 196 In silico prediction of linear free energy relationship descriptors of neutral and ionic compounds. *RSC Advances*, **2015**, 5, 80634-80642 3.7 19
- 195 Soft interactions with hard Lewis acids: generation of mono- and dicationic alkaline-earth metal arene-complexes by direct oxidation. *Chemical Science*, **2020**, 11, 2068-2076 9.4 19
- 194 Silver Complexes of Dihalogen Molecules. *Angewandte Chemie - International Edition*, **2016**, 55, 9259-61 16.4 19
- 193 Coordination Chemistry of Diiodine and Implications for the Oxidation Capacity of the Synergistic Ag(+)/X₂ (X=Cl, Br, I) System. *Angewandte Chemie - International Edition*, **2016**, 55, 9262-6 16.4 19
- 192 Synthesis and Characterization of Cp*Be-F-Al(ORF)₃. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 655-659 1.3 19
- 191 The Acidity of the HBr/AlBr₃ System: Stabilization of Crystalline Protonated Arenes and Their Acidity in Bromoaluminate Ionic Liquids. *Chemistry - A European Journal*, **2015**, 21, 7489-502 4.8 19
- 190 [BeBr₂(SMe₂)₂], a Versatile Starting Material for Beryllium Chemistry [One Pot Synthesis from Beryllium Powder. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2006**, 632, 2021-2023 1.3 19
- 189 Evidence for the blue 10 pi S₆²⁺ dication in solutions of S₈(AsF₆)₂: a computational study including solvation energies. *Inorganic Chemistry*, **2004**, 43, 1000-11 5.1 19
- 188 A strong cationic Brønsted acid, [H(OEt₂)₂][Al{OC(CF₃)₃}₄], as an efficient initiator for the cationic ring-opening polymerization of 2-alkyl-2-oxazolines. *Polymer Chemistry*, **2013**, 4, 495-505 4.9 18
- 187 Synthesis, structures and characterisations of truly homoleptic acetonitrile Ln³⁺ complexes in solid state and in solution. *Dalton Transactions*, **2009**, 5137-47 4.3 18
- 186 Temperature-dependent prediction of the liquid entropy of ionic liquids. *ChemPhysChem*, **2010**, 11, 3425-31 18
- 185 THE METASTABLE PARTIALLY POSITIVELY CHARGED Se₆ MOLECULE: PREPARATION, CHARACTERISATION AND X-RAY CRYSTAL STRUCTURE OF [Ag₂(Se₆)(SO₂)₂][Sb(OTeF₅)₆]₂, [Ag₂Se₆][AsF₆]₂ AND [AgSe₆][Ag₂(SbF₆)₃]. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2009**, 179, 2129-2138 1 18
- 184 Supersilylverbindungen Der Borgruppen-elemente, IV [1]. Supersilylelementhalogenide tBu₃SiEX₂ Und (tBu₃Si)₂Ex Mit E = Al, Ga, In: Synthesen, Eigenschaften, Strukturen [2] / Supersilylated Compounds of the Thirteenth Group, IV [1]. Supersilylelement Halides tBu₃SiEX₂ And (tBu₃Si)₂Ex with E = Al, Ga, In: Synthesen, Properties, Structures [2]. *Zeitschrift Fur Naturforschung - Section B* **2007**, 62, 1123-1130 1 18
- 183 Access to the Bis-benzene Cobalt(I) Sandwich Cation and its Derivatives: Synthons for a "Naked" Cobalt(I) Source?. *Angewandte Chemie - International Edition*, **2018**, 57, 9310-9314 16.4 18
- 182 Fluoro- and perfluoralkylsulfonylpentafluoroanilides: synthesis and characterization of NH acids for weakly coordinating anions and their gas-phase and solution acidities. *Chemistry - A European Journal*, **2015**, 21, 5769-82 4.8 17
- 181 A Computational Study of [M(CF₃)₄] (M = Cu, Ag, Au) and their Properties as Weakly Coordinating Anions. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2007**, 633, 1639-1644 1.3 17

180	Reaction of $S_2CC(PPh_3)_2$ with Silver Salts Containing Weakly Coordinating Anions; Preparation and Crystal Structures of $[Ag_6\{S_2CC(PPh_3)_2\}_4][BF_4]_6 \cdot 9.75CH_2Cl_2$ and $[Ag_4\{S_2CC(PPh_3)_2\}_4][Al\{OC(CF_3)_3\}_4]_4 \cdot 4.25C_2H_4Cl_2$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 859-865	1.3	17
179	A Highly Lewis Acidic Strontium ansa-Arene Complex for Lewis Acid Catalysis and Isobutylene Polymerization. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22023-22027	16.4	17
178	Using the Lewis Acid Me Si-F-Al(OR) To Prepare Phosphino-Phosphonium Cations with the Least-Coordinating Anion [(R O) Al-F-Al(OR)]. <i>Chemistry - A European Journal</i> , 2017 , 23, 12305-12313	4.8	16
177	A Se ¹⁹ homocycle complexed by two copper(I) ions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6009-12	16.4	16
176	Rearrangement of Bis(dimethylamino)bis(1-indenyl)diborane(4) into Bis(dimethylamino)bis(3-indenyl)diborane(4). <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 505-509	2.3	16
175	From an Easily Accessible Pentacarbonylcobalt(I) Salt to Piano-Stool Cations [(arene)Co(CO)]. <i>Chemistry - A European Journal</i> , 2017 , 23, 14658-14664	4.8	15
174	$[Ni(cod)_2][Al(ORF)_4]$, a Source for Naked Nickel(I) Chemistry. <i>Angewandte Chemie</i> , 2015 , 127, 14919-14925	3.2	15
173	Ethyl-Zinc(II)-Cation Equivalents: Synthesis and Hydroamination Catalysis. <i>Chemistry - A European Journal</i> , 2015 , 21, 13696-702	4.8	15
172	Preparation of $[Al(hfip)_4](-)$ -based ionic liquids with siloxane-functionalized cations and their physical properties in comparison with their $[Tf_2N](-)$ analogues. <i>ChemPhysChem</i> , 2012 , 13, 1802-5	3.2	15
171	Fluorinated Weakly Coordinating Anions $[M(hfip)_6]([M = Nb, Ta])$: Syntheses, Structural Characterizations and Computations. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 714-721	1.3	15
170	Zwischen Komplex und Cluster: Ein 14-eckiger Kfig in $[Ag_2Se_{12}]^{2+}$. <i>Angewandte Chemie</i> , 2011 , 123, 11449-11452	3.6	15
169	$AgOC(CF_3)_3$ und $AgOSiPr_3$ Synthese und Charakterisierung eines donorfreien Silber(I)-Alkoxids und -Siloxids. <i>Angewandte Chemie</i> , 2006 , 118, 7153-7156	3.6	15
168	Oxidation of CS_4 by $AsBr_4^+$: the unexpected formation of the simple $CS_2Br_3^+$ carbenium ion. <i>Chemistry - A European Journal</i> , 2004 , 10, 5730-6	4.8	15
167	Investigations on silylium ions leading to a cyclobutenyl cation. <i>Chemical Science</i> , 2019 , 10, 2821-2829	9.4	14
166	$Li[B(OCH_2CF_3)_4]$: synthesis, characterization and electrochemical application as a conducting salt for LiSB batteries. <i>ChemPhysChem</i> , 2015 , 16, 666-75	3.2	14
165	Temperature Dependent Crystal Structure Analyses and Ion Volume Determinations of Organic Salts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 2153-2161	1.3	14
164	Two synthetic approaches for the preparation of tin(ii) dications. <i>Chemical Communications</i> , 2017 , 53, 10914-10917	5.8	14
163	Bulk gas-phase acidity. <i>Chemistry - A European Journal</i> , 2012 , 18, 9333-40	4.8	14

162	TetramethylpiperidineAlane Adducts $\text{tmpH} \square \text{AlX}_3$ (X = Cl, Br, I) and $\text{tmpH} \square \text{AlH}_2\text{Cl}$: Synthesis, Solution Behavior, and X-ray Crystal Structures?. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 1925-1930	2.3	14
161	A spirocyclic P-S cage cation: synthesis and formation of $\text{P}_7\text{S}_6\text{I}_2^+$. <i>Chemistry - A European Journal</i> , 2006 , 12, 1986-96	4.8	14
160	Water adducts of $\text{BX}(3)$ and $\text{CX}(3)^+$: implications for structure, bonding, and reactivity. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7571-7	16.4	14
159	Homoatomic Sulfur Cations. <i>Topics in Current Chemistry</i> , 135-154		14
158	Synthesis and Application of a Perfluorinated Ammoniumyl Radical Cation as a Very Strong Deelectronator. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9453-9459	16.4	13
157	Guilty and charged: a stable solution of the hexamethylbenzene radical cation as a ligand forming oxidising agent. <i>Chemical Communications</i> , 2018 , 54, 10036-10039	5.8	13
156	Die Supersäure HBr/AlBr_3 : Protonierung von Benzol und ausgeordnete Kristallstruktur von $[\text{C}_6\text{H}_7]^+[\text{Al}_2\text{Br}_7]^-$. <i>Angewandte Chemie</i> , 2014 , 126, 1715-1718	3.6	13
155	Thermochemistry of ammonium based ionic liquids: Tetra-alkyl ammonium nitrates [Experiments and computations. <i>Journal of Chemical Thermodynamics</i> , 2012 , 51, 107-113	2.9	13
154	$[\text{TeX}_3]^+$ Cations Stabilized by the Weakly Coordinating $[\text{Al}(\text{ORF})_4]^-$ Anion: FIR Spectra, Raman Spectra, and Evaluation of an Abnormal Halogen Dependence of the ^{125}Te NMR Chemical Shifts. <i>ChemPlusChem</i> , 2012 , 77, 643-651	2.8	13
153	The $\text{Al}(\text{ORF})_3/\text{H}_2\text{O}/\text{Phosphane}$ [$\text{RF} = \text{C}(\text{CF}_3)_3$] System [Protonation of Phosphanes and Absolute Brønsted Acidity. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3054-3062	2.3	13
152	Stable Salts of Heteroleptic Iron Carbonyl/Nitrosyl Cations. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5581-5585	16.4	13
151	Tunable Aryl Alkyl Ionic Liquids with Weakly Coordinating Tetrakis((1,1,1,3,3,3-hexafluoropropan-2-yl)oxy)borate $[\text{B}(\text{hfp})_4]^-$ Anions. <i>Chemistry - A European Journal</i> , 2016 , 22, 10044-9	4.8	13
150	Tetracationic Gallium Cluster Cations. <i>Angewandte Chemie</i> , 2018 , 130, 14399-14402	3.6	13
149	Going Homoleptic: Synthesis and Full Characterization of Stable Manganese Tetranitrosyl Cation Salts. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9586-9589	16.4	12
148	Synthesis and characterization of crystalline niobium and tantalum carbonyl complexes at room temperature. <i>Nature Chemistry</i> , 2020 , 12, 647-653	17.6	12
147	The Ideal Ionic Liquid Salt Bridge for the Direct Determination of Gibbs Energies of Transfer of Single Ions, Part I: The Concept. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2344-2347	16.4	12
146	Synthesis, Characterisation and Reactions of Truly Cationic Ni -Phosphine Complexes. <i>Chemistry - A European Journal</i> , 2018 , 24, 918-927	4.8	12
145	The Parent Cyclopentadienyltin Cation, Its Toluene Adduct, and the Quadruple-Decker $[\text{Sn}_3\text{Cp}_4]^{2+}$. <i>Angewandte Chemie</i> , 2017 , 129, 2926-2930	3.6	11

144	Oxidative Fluorination of Cu/ZnO Methanol Catalysts. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12935-12939	16.4	11
143	Completing the triad: synthesis and full characterization of homoleptic and heteroleptic carbonyl and nitrosyl complexes of the group VI metals. <i>Chemical Science</i> , 2020 , 11, 3592-3603	9.4	11
142	Ag[Fe(CO) ₅] ₂ ⁺ : A Bare Silver Complex with Fe(CO) ₅ as a Ligand. <i>Angewandte Chemie</i> , 2014 , 126, 13678-13680	3.6	11
141	Determination of LFER descriptors of 30 cations of ionic liquids--progress in understanding their molecular interaction potentials. <i>ChemPhysChem</i> , 2012 , 13, 780-7	3.2	11
140	From Square-Planar [ICl] to Novel Chloriodates(III)? A Systematic Experimental and Theoretical Investigation of Their Ionic Liquids. <i>Chemistry - A European Journal</i> , 2017 , 23, 11312-11322	4.8	11
139	Dimeric Di(tert-butyl)haloalanes and a Monomeric Di(tert-butyl)phosphino-di(tert-butyl)alane. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008 , 63, 1045-1051	1	11
138	The first simple, donor-free salt of the Sb(OTeF ₅) ₆ ⁻ anion: synthesis, structure, characterization, and thermochemistry of Cs[Sb(OTeF ₅) ₆]. <i>Inorganic Chemistry</i> , 2001 , 40, 4488-90	5.1	11
137	An Investigation of the Symmetric and Asymmetric Cleavage Products in the System Aluminum Trihalide/1-Butylimidazole. <i>Chemistry - A European Journal</i> , 2017 , 23, 11054-11066	4.8	10
136	Towards a Sustainable Synthesis of Oxymethylene Dimethyl Ether by Homogeneous Catalysis and Uptake of Molecular Formaldehyde. <i>Angewandte Chemie</i> , 2018 , 130, 9605-9608	3.6	10
135	Why Do Five Ga Cations Form a Ligand-Stabilized [Ga] Pentagon and How Does a 5:1 Salt Pack in the Solid State?. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14162-14166	16.4	10
134	Straightforward synthesis of the Brønsted acid hfpOSO ₃ H and its application for the synthesis of protic ionic liquids. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6637-40	16.4	10
133	New water-stable ionic liquids based on tetrakis-(2,2,2-trifluoroethoxy)borate. <i>ChemPhysChem</i> , 2014 , 15, 3729-31	3.2	10
132	A Simple Homoleptic Gallium(I) Olefin Complex: Mimicking Transition-Metal Chemistry at a Main-Group Metal?. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 208-211	16.4	10
131	Grundlegende Bemerkungen zur Azidit. <i>Angewandte Chemie</i> , 2018 , 130, 4471-4498	3.6	10
130	The Ideal Ionic Liquid Salt Bridge for Direct Determination of Gibbs Energies of Transfer of Single Ions, Part II: Evaluation of the Role of Ion Solvation and Ion Mobilities. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2348-2352	16.4	10
129	Highly correlated ab initio thermodynamics of oxymethylene dimethyl ethers (OME): formation and extension to the liquid phase. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1177-1183	5.8	9
128	Effect of Dimethyl Carbonate on the Dynamic Properties and Ionicities of Ionic Liquids with [M(III)(hfp) ₄] ⁻ (M=B, Al) Anions. <i>ChemPhysChem</i> , 2015 , 16, 1940-7	3.2	9
127	Building blocks for the chemistry of perfluorinated alkoxyaluminates [Al{OC(CF ₃) ₂ }] _n : simplified preparation and characterization of Li-Cs, Ag, NH ₄ ⁺ and NH ₄ ⁺ salts. <i>Dalton Transactions</i> , 2020 , 49, 7766-7773	4.3	9

126	From a (Pseudo) Aluminum Sesquihalide $\text{Al}_2(\text{Et})_3(\text{ORF})_3$ to $\text{Me}_3\text{SiOAl}(\text{ORF})_3$ (RF = C(CF ₃) ₃). <i>Organometallics</i> , 2018 , 37, 706-711	3.8	9
125	Gold(I) mediated rearrangement of [7]-helicene to give a benzo[cd]pyrenium cation embedded in a chiral framework. <i>Chemical Communications</i> , 2014 , 50, 5251-3	5.8	9
124	Engineered high aspect ratio vertical nanotubes as a model system for the investigation of catalytic methanol synthesis over Cu/ZnO. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1576-82	9.5	9
123	Homoleptic borates and aluminates containing the difluorophosphato ligand - $[\text{M}(\text{O}_2\text{PF}_2)_x](\text{y})^-$ - synthesis and characterization. <i>Dalton Transactions</i> , 2015 , 44, 7048-57	4.3	9
122	Gold(I)-1,3-Dien-Komplexe: die Verknüpfung von Struktur, Bindung und Reaktivität. <i>Angewandte Chemie</i> , 2011 , 123, 11781-11783	3.6	9
121	Computational study of the enthalpies of formation, $\Delta_f H^\circ$ degrees, and mean bond enthalpies, mBEs, of $\text{H}_4\text{-nEXn0/-}$ and $\text{H}_3\text{-nEXn+0}$ (E=C, B; X=F-I). <i>Journal of Physical Chemistry A</i> , 2007 , 111, 13209-17	7.8	9
120	Reference Values for the B-X Bond Lengths of BI_3 and BBr_3 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 704-707	1.3	9
119	Über einige Aluminiumbromid-Ether-Addukte: Strukturen in Lösung und im festen Zustand / Aluminium Bromide Ether Adducts: Structures in Solution and in the Solid State. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1996 , 51, 1117-1126	1	9
118	Cations and Anions of Dibenzo[a,e]pentalene and Reduction of a Dibenzo[a,e]pentalenophane. <i>Chemistry - A European Journal</i> , 2021 , 27, 4964-4970	4.8	9
117	First Investigations Towards the Feasibility of an Al/Br ₂ Battery Based on Ionic Liquids. <i>ChemElectroChem</i> , 2017 , 4, 2934-2942	4.3	8
116	Endlich homoleptisch: Synthese und vollständige Charakterisierung stabiler Salze des Mangantetranitrosylkations. <i>Angewandte Chemie</i> , 2019 , 131, 9687-9690	3.6	8
115	Quantitative analysis of molecular interaction potentials of ionic liquid anions using multi-functionalized stationary phases in HPLC. <i>ChemPhysChem</i> , 2014 , 15, 2351-8	3.2	8
114	Mit zwei Kupfer(I)-Ionen zum Se ¹⁹ -Homocyclus in $[\text{Cu}_2\text{Se}^{19}]^{2+}$. <i>Angewandte Chemie</i> , 2012 , 124, 6112-6115	3.5	8
113	Snapshots of the Hydrolysis of the Lithium Alkoxide $[\text{Li}\{\text{OC}(\text{CF}_3)_3\}]_4$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 513-517	1.3	8
112	A Highly Hexane Soluble Lithium Salt and other Starting Materials of the Fluorinated Weakly Coordinating Anion $[\text{Al}\{\text{OC}(\text{CF}_3)_2(\text{CH}_2\text{SiMe}_3)\}_4]^-$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 962-966	1.3	8
111	Gallium Zigzag Chains as an Ordering Principle in β -2,5-di-(t-butyl) phospholylgallium(I). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 1209-1212	1.3	8
110	Functionalized 1,1-Ethene Dithiolates as Ligands, V [1]. Synthesis and Crystal Structure of Palladium(II) and Platinum(II) Complexes with Dithiolydene Barbituric Acid Ligands. Molecular Structure of a 2,6-Diaminopyridine-Platinum(II) Barbiturate Complex. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1998 , 53, 1135-1143	1	8
109	Stabile Salze heteroleptischer Eisen-Carbonyl/Nitrosylkationen. <i>Angewandte Chemie</i> , 2020 , 132, 5629-5638	3.8	8

108	Group 6 Hexacarbonyls as Ligands for the Silver Cation: Syntheses, Characterization, and Analysis of the Bonding Compared with the Isoelectronic Group 5 Hexacarbonylates. <i>Chemistry - A European Journal</i> , 2020 , 26, 17203-17211	4.8	8
107	Strong Lewis and Brønsted Acidic Sites in the Borosulfate Mg [H O→B(SO)]. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10643-10646	16.4	8
106	Towards Weakly Coordinating Anions with the Extremely Electron Withdrawing Perfluoropyridinoyx Ligand DC5F4N. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 59-67	2.3	8
105	How does the Environment Influence a Given Cation? A Systematic Investigation of [Co(CO)] in Gas Phase, Solution, and Solid State. <i>Chemistry - A European Journal</i> , 2018 , 24, 19348-19360	4.8	8
104	Synthesis and Characterization of Bromoaluminate Ionic Liquids. <i>Chemistry - A European Journal</i> , 2017 , 23, 9821-9830	4.8	7
103	From Phosphidic to Phosphonium? Umpolung of the P -Bonding Situation in [CpFe(CO)(L)(P)] Cations (L=CO or PPh). <i>Chemistry - A European Journal</i> , 2019 , 25, 10546-10551	4.8	7
102	Review on Synthesis, Characterization, and Electrochemical Properties of Fluorinated Nickel-Cobalt-Manganese Cathode Active Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2020 , 7, 1389-1430	4.3	7
101	A Ferrocenyl-Backboned Unsymmetric O,C-Coordinating Ligand and Its Tin Derivatives. <i>ChemistryOpen</i> , 2016 , 5, 319-24	2.3	7
100	A theoretical study on the formation of EX ₄ ⁺ and E ₂ X ₅ ⁺ (E = P, As; X = Br, I) from Ag ⁺ and EX ₃ /X ₂ . <i>Dalton Transactions</i> , 2005 , 2022-30	4.3	7
99	Metal-CO Bonding in Mononuclear Transition Metal Carbonyl Complexes. <i>Jacs Au</i> , 2021 , 1, 623-645		7
98	Coordination Chemistry of Diiodine and Implications for the Oxidation Capacity of the Synergistic Ag ⁺ /X ₂ (X=Cl, Br, I) System. <i>Angewandte Chemie</i> , 2016 , 128, 9408-9412	3.6	7
97	Synthesis and Structural Characterization of Gallium(I) and Indium(I) Cations Coordinated by Pentamethylethylenediamine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 523-525	1.3	6
96	Silver Complexes of Dihalogen Molecules. <i>Angewandte Chemie</i> , 2016 , 128, 9405-9407	3.6	6
95	Access to the Bis-benzene Cobalt(I) Sandwich Cation and its Derivatives: Synthons for a "Naked" Cobalt(I) Source?. <i>Angewandte Chemie</i> , 2018 , 130, 9454-9458	3.6	6
94	The perfluorinated alcohols (F ₅ C ₆)(F ₃ C) ₂ COH and (F ₅ C ₆)(F ₁₀ C ₅)COH: synthesis, theoretical and acidity studies, spectroscopy and structures in the solid state and the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 6184-91	3.6	6
93	Tetra-n-butylammonium [Fluorido-bis{tris[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethanolato- η^1]}aluminato(III)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m2144-m2144		6
92	Lewis acid stabilized OPI ₃ : implications for the nature of free OPI ₃ . <i>Chemistry - A European Journal</i> , 2006 , 12, 5815-22	4.8	6
91	Halbsandwich-Komplexe von (S)-1-Amino-2-(methoxymethyl)pyrrolidin (SAMP). <i>Journal of Organometallic Chemistry</i> , 1999 , 577, 93-102	2.3	6

90	First experimental evidence for the elusive tetrahedral cations [EP] (E = S, Se, Te) in the condensed phase. <i>Chemical Science</i> , 2019 , 10, 10779-10788	9.4	6
89	Homoleptic Silver Complexes of the Cages P ₄ Se ₃ and As ₄ S ₃ . <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1657-1668	2.3	6
88	Altering Charges on Heterobimetallic Transition-Metal Carbonyl Clusters. <i>Chemistry - A European Journal</i> , 2020 , 26, 12373-12381	4.8	5
87	Spectroscopic Signatures of Pressurized Carbon Dioxide in Diffuse Reflectance Infrared Spectroscopy of Heterogeneous Catalysts. <i>ChemCatChem</i> , 2020 , 12, 2622-2629	5.2	5
86	Sieving Effects in Electrical Double-Layer Capacitors Based on Neat [Al(hfip) ₄] ⁺ and [NTf ₂] ⁻ Ionic Liquids. <i>ChemElectroChem</i> , 2015 , 2, 829-836	4.3	5
85	Exploring the chemistry of free Cl ₃ ⁺ : reactions with the weak Lewis bases PX ₃ (X = Cl-I), AsI ₃ and Et ₂ O. <i>Dalton Transactions</i> , 2007 , 5376-86	4.3	5
84	Chasing an Elusive Alkoxide: Attempts to Synthesize [OC(tBu)(CF ₃) ₂] ⁻ . <i>Chimia</i> , 2006 , 60, 220-223	1.3	5
83	tBuP(NH ₂) ₂ --a reactive synthon for the synthesis of molecular imidophosphinates of group 13 metals. <i>Chemistry - A European Journal</i> , 2004 , 10, 1729-37	4.8	5
82	Reactions directed towards Sb(OTeF ₅) ₆ ⁻ salts of new tellurium cations: formation, FT-Raman spectrum and X-ray crystal structure of [Cl ₃ Te ⁺ F ⁻ TeCl ₃][Sb(OTeF ₅) ₆ ⁻] containing the [fluoro-bis[trichloro-tellurium(IV)] cation. <i>Solid State Sciences</i> , 2002 , 4, 1435-1441	3.4	5
81	Die Reaktion von tBu ₂ P-P=P(Me)tBu ₂ mit [Fe ₂ (CO) ₉] und [(η -C ₈ H ₁₄) ₂ Fe(CO) ₃]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 446-452	1.3	5
80	A Stable Salt of the Tris(ethene)silver Cation: Structure and Characterization of [Ag(η -C ₂ H ₄) ₃] ⁺ [Al{OC(CF ₃) ₃] ₄] ⁻ . <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5919-5919	16.4	5
79	Synthesis and single crystal X-ray structure of the first imido analog of an eight-membered aluminophosphate heterocycle. <i>Chemical Communications</i> , 2002 , 1422-1423	5.8	5
78	Starke Lewis- und Brønsted-saure Zentren im Borosulfat Mg ₃ [H ₂ O- \rightarrow B(SO ₄) ₃] ₂ . <i>Angewandte Chemie</i> , 2021 , 133, 10738-10741	3.6	5
77	Chasing the Mond Cation: Synthesis and Characterization of the Homoleptic Nickel Tetracarbonyl Cation and its Tricarbonyl-Nitrosyl Analogue. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14800-14805	16.4	5
76	Synthesis and Application of a Perfluorinated Ammoniumyl Radical Cation as a Very Strong Deelectronator. <i>Angewandte Chemie</i> , 2020 , 132, 9540-9546	3.6	4
75	Coating of NCM 851005 Cathode Material with Al ₂ O ₃ and Subsequent Treatment with Anhydrous HF. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 070510	3.9	4
74	Reactivity of [Ni(cod) ₂][Al(ORF) ₄] towards Small Molecules and Elements. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 50-57	1.3	4
73	Silver Coordination Chemistry of the Weakly Basic Cage As ₄ S ₄ . <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3203-3212	2.3	4

72	Isolated Cationic Organometallic Nickel(I) Arene Complexes. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 3309-3317	2.3	4
71	Charge-Scaling Effect in Ionic Liquids from the Charge-Density Analysis of N,N'-Dimethylimidazolium Methylsulfate. <i>Angewandte Chemie</i> , 2014 , 126, 3207-3210	3.6	4
70	Electrochemical Contact Separation for PVD Aluminum Back Contact Solar Cells. <i>Energy Procedia</i> , 2015 , 67, 70-75	2.3	4
69	Laser rapid-prototyping and modular packaging of chip-based microreactors for direct fluorination reactions. <i>Chemical Engineering Research and Design</i> , 2017 , 128, 318-330	5.5	4
68	Plating Processes on Aluminum and Application to Novel Solar Cell Concepts. <i>Energy Procedia</i> , 2014 , 55, 679-687	2.3	4
67	Direct Fluorination of Cyclic Carbonates and closo-K ₂ [B ₁₂ H ₁₂] in a Slug-Flow Mini-structured Reactor. <i>ChemPlusChem</i> , 2013 , 78, 292-301	2.8	4
66	Chapter 7.1: Structure and Bonding of the Neutral Chalcogens and their Polyatomic Cations 2007 , 381-416		4
65	The Fluorinated Lithiumalkoxide LiORF (RF = C(CF ₃) ₂ Mes), the Alcohol RFOH and Attempts to use them as Precursors for New Weakly Coordinating Anions (WCAs). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1035-1040	1.3	4
64	A Bottom-up approach to Grid-Computing at a University: the Black-Forest-Grid Initiative. <i>PIK - Praxis Der Informationsverarbeitung Und Kommunikation</i> , 2006 , 29, 81-87		4
63	Studien zur Synthese, Struktur und Reaktivität heterozyklischer Metallonitridophosphinate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 2900-2906	1.3	4
62	Symmetric Potentiometric Cells for the Measurement of Unified pH Values. <i>Symmetry</i> , 2020 , 12, 1150	2.7	4
61	The Coordination Chemistry and Clustering of Subvalent Ga ⁺ and In ⁺ upon Addition of π -Donor Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1660-1673	1.3	4
60	Synthesis, Characterization, and Electrochemical Investigation of Li[O ₂ P(OCH ₂ CF ₃) ₂] and Li[O ₂ P{OC(H)(CF ₃) ₂] ₂] and Use of the Former for Coordination-Polymer-Based Gel Electrolytes. <i>ChemElectroChem</i> , 2016 , 3, 774-782	4.3	4
59	Preparation of BF ₃ Carbonates and their Electrochemical Investigation as Additives in Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 060514	3.9	4
58	Fluorination of Ni-Rich Lithium-Ion Battery Cathode Materials by Fluorine Gas: Chemistry, Characterization, and Electrochemical Performance in Full-cells. <i>Batteries and Supercaps</i> , 2021 , 4, 632-645	5.6	4
57	Facile Two-Phase Catalysis: From Dimethoxymethane and Monomeric Formaldehyde towards Oxymethylene Ethers (OMEs). <i>ChemCatChem</i> , 2020 , 12, 2416-2420	5.2	4
56	As ^{III} vs. Pb ^{II} Insertion in AsP ₃ : Kinetic Control of the Formation of [AsP ₃ NO] ⁺ . <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2607-2612	2.3	3
55	Oxidative Fluorination of Cu/ZnO Methanol Catalysts. <i>Angewandte Chemie</i> , 2019 , 131, 13069-13073	3.6	3

54	Simple Green Synthesis and Electrochemical Performance of a New Fluorinated Carbonate as Additive for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 1415-1420	4.3	3
53	Synthesis, Spectroscopic Characterization, Crystal Structures, Energetics, and Thermal Stabilities of Li[AlX ₄] (X = Cl, Br): Investigation and Performance of Their Electrolyte Solutions. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3128-3138	2.3	3
52	On the prevalence of side reactions during ionosolv pulping of Norway spruce with 1-butyl-3-methylimidazolium acesulfamate. <i>Cellulose</i> , 2014 , 21, 4607-4619	5.5	3
51	Halbsandwich-Komplexe von (S)-1-Amino-2-(methoxymethyl)-pyrrolidin (SAMP). <i>Journal of Organometallic Chemistry</i> , 1998 , 564, 179-187	2.3	3
50	Stack by Stack: From the Free Cyclopentadienylgermanium Cation Via Heterobimetallic Main-Group Sandwiches to Main-Group Sandwich Coordination Polymers. <i>Chemistry - A European Journal</i> , 2020 , 26, 14109-14117	4.8	3
49	A Highly Lewis Acidic Strontium ansa-Arene Complex for Lewis Acid Catalysis and Isobutylene Polymerization. <i>Angewandte Chemie</i> , 2020 , 132, 22207-22211	3.6	3
48	Ethylzinc- and Zinobisfluoroalkoxides. <i>ChemistrySelect</i> , 2017 , 2, 265-273	1.8	2
47	Using Me ₃ SiEtAl(ORF) ₃ and Me ₃ SiEtAl as Methylating Agents [Synthesis and Characterization of SeMeCl ₂ [F{Al(ORF) ₃ } ₂]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 64-71	1.3	2
46	Investigation of Mixtures of BF ₃ Carbonates and LiX (X = OCH ₂ CF ₃ , OC(H)(CF ₃) ₂ , CO ₂ CF ₃) as Novel Electrolyte Systems for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 080507	3.9	2
45	Homoleptic Trichloroacetonitrile Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 652-656	1.3	2
44	The Ideal Ionic Liquid Salt Bridge for the Direct Determination of Gibbs Energies of Transfer of Single Ions, Part I: The Concept. <i>Angewandte Chemie</i> , 2018 , 130, 2368-2371	3.6	2
43	Coordination Chemistry of P S and P Se towards the Iron Fragments [Fe(Cp)(CO)] and [Fe(Cp)(PPh)(CO)]. <i>Chemistry - A European Journal</i> , 2019 , 25, 12159-12168	4.8	2
42	Homogen katalysierte Synthese von Oxymethylenethern (OME) durch Aufnahme von molekularem Formaldehyd 2019 , 371-379		2
41	Arene Complexes of Divalent Tin Bromoaluminates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1374-1378	1.3	2
40	Comparison of Redox Potentials in Non-Aqueous Solvents: Silver is Not a Noble Metal in the Acidic Ionic Liquid HmimBr. <i>ECS Transactions</i> , 2014 , 64, 207-210	1	2
39	Synthesis and oxidation of hexafluoroisopropoxyborylferrocenes. <i>Pure and Applied Chemistry</i> , 2012 , 84, 2317-2324	2.1	2
38	Diaquadihydrohexakis(tri-tert-butoxysilanethiolato)octalithium(I)Toluene (1/2). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002 , 58, m569-m570		2
37	Ga-catalyzed hydrosilylation? About the surprising system Ga/HSiR/olefin, proof of oxidation with subvalent Ga and silylium catalysis with perfluoroalkoxyaluminate anions.. <i>Chemical Science</i> , 2022 , 13, 439-453	9.4	2

36	Coating of Li _{1+x} [Ni _{0.85} Co _{0.10} Mn _{0.05}] _{1-x} O ₂ Cathode Active Material with Gaseous BF ₃ . <i>Journal of the Electrochemical Society</i> , 2020 , 167, 120505	3.9	2
35	A unified pH scale for all solvents: part I Intention and reasoning (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2021 , 93, 1049-1060	2.1	2
34	Critical role of H-aggregation for high-efficiency photoinduced charge generation in pristine pentamethine cyanine salts. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 23886-23895	3.6	2
33	Perfluorinated tert-Butoxides of Tin(II): The Dimeric Alkoxide and Its Monomeric Ate Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 301-308	1.3	2
32	Oxidative addition, reduction and reductive coupling: the versatile reactivity of subvalent gallium cations. <i>Dalton Transactions</i> , 2021 , 50, 15103-15110	4.3	2
31	Why Do Five Ga ⁺ Cations Form a Ligand-Stabilized [Ga ₅] ⁵⁺ Pentagon and How Does a 5:1 Salt Pack in the Solid State?. <i>Angewandte Chemie</i> , 2019 , 131, 14300-14304	3.6	1
30	The Ideal Ionic Liquid Salt Bridge for Direct Determination of Gibbs Energies of Transfer of Single Ions, Part II: Evaluation of the Role of Ion Solvation and Ion Mobilities. <i>Angewandte Chemie</i> , 2018 , 130, 2372-2376	3.6	1
29	The perfluorinated alcohols c-CFOH, c-CF-1,1-(OH) and c-CF-1-(CF)OH. <i>Chemical Communications</i> , 2018 , 54, 9294-9297	5.8	1
28	Straightforward Synthesis of the Brønsted Acid hfpOSO ₃ H and its Application for the Synthesis of Protic Ionic Liquids. <i>Angewandte Chemie</i> , 2014 , 126, 6755-6758	3.6	1
27	Structural Changes Upon Oxidation of (PtBu ₂) ₂ and 1,4-(CH ₂) ₂ (PtBu) ₄ : Transannular P-P Interactions in Cations of the 1,4-C ₂ P ₄ Ring. <i>Heteroatom Chemistry</i> , 2014 , 25, 501-513	1.2	1
26	CHAPTER 7.1: Structure and Bonding of the Neutral Chalcogens and Their Polyatomic Cations 2013 , 349-381		1
25	Novel Cu/ZnO-Based Catalysts for the Synthesis of Methanol by CO ₂ Hydrogenation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1566-1566	1.3	1
24	Enhancement of Methanol Synthesis by Oxidative Fluorination of Cu/ZnO Catalysts-Insights from Surface Analyses. <i>ACS Catalysis</i> , 13223-13235	13.1	1
23	Synthesis of Oxymethylene Ether (OME) as 2nd generation E-fuel 2020 , 405-414	0.3	1
22	Investigations toward a Non-Aqueous Hybrid Redox-Flow Battery with a Manganese-Based Anolyte and Catholyte. <i>Advanced Energy Materials</i> , 2021 , 11, 2101261	21.8	1
21	Asymmetric Imides as Electrolyte Additive for Lithium-Ion Batteries with NCM111 Cathode. <i>ChemElectroChem</i> , 2020 , 7, 2107-2113	4.3	1
20	A Simple Homoleptic Gallium(I) Olefin Complex: Mimicking Transition-Metal Chemistry at a Main-Group Metal?. <i>Angewandte Chemie</i> , 2021 , 133, 210-213	3.6	1
19	Extending the chemistry of weakly basic ligands: solvates of Ag and Cu stabilized by [Al{OC(CF)}] ⁻ anion as model examples in the screening of useful weakly interacting solvents. <i>Dalton Transactions</i> , 2021 , 50, 2050-2056	4.3	1

18	Cationic Niobium-Sandwich and Piano-Stool Complexes. <i>Chemistry - A European Journal</i> , 2021 , 27, 758-765	5.8	1
17	Copper-Catalyzed Monooxygenation of Phenols: Evidence for a Mononuclear Reaction Mechanism.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	1
16	Chasing the Mond Cation: Synthesis and Characterization of the Homoleptic Nickel Tetracarbonyl Cation and its Tricarbonyl-Nitrosyl Analogue. <i>Angewandte Chemie</i> , 2021 , 133, 14926-14931	3.6	0
15	StructureFinder. <i>Journal of Applied Crystallography</i> , 2019 , 52, 468-471	3.8	
14	More Stable Template Localization for an Incremental Focal-Point Approach-Implementation and Application to the Intramolecular Decomposition of Tris-perfluoro-tert-butoxyalane. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 557-571	6.4	
13	Bermuda-clusters On the interaction of chelating bipyridines with subvalent Ga ⁺ and In ⁺ salts of the [Al(ORF) ₄] ^{WCA} . <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 651-654	1	
12	Die protoelektrische Potenzialkarte. <i>Nachrichten Aus Der Chemie</i> , 2014 , 62, 1061-1064	0.1	
11	Unusual Anions as Ionic Liquid Constituents 2015 , 39-54		
10	Inside Cover: [P ⁹⁺][Al(ORF) ₄] ⁻ the Salt of a Homopolyatomic Phosphorus Cation (Angew. Chem. Int. Ed. 26/2012). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6282-6282	16.4	
9	Direct Fluorination of Cyclic Carbonates and closo-K ₂ [B ₁₂ H ₁₂] in a Slug-Flow Mini-structured Reactor. <i>ChemPlusChem</i> , 2013 , 78, 280-280	2.8	
8	Extending the Coordination Chemistry of Molecular P ₄ S ₃ : The Polymeric Ag(P ₄ S ₃) ⁺ and Ag(P ₄ S ₃) ₂ ²⁺ Cations.. <i>ChemInform</i> , 2010 , 33, 20-20		
7	Inside Cover: A Simple Route to Univalent Gallium Salts of Weakly Coordinating Anions (Angew. Chem. Int. Ed. 18/2010). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3092-3092	16.4	
6	Inside Cover: [Au ₃ Ge ₄₅] ⁹⁺ A Binary Anion Containing a {Ge ₄₅ } Cluster (Angew. Chem. Int. Ed. 28/2007). <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5248-5248	16.4	
5	Inside Cover: Homoleptic Silver(I) Acetylene Complexes (Angew. Chem. Int. Ed. 43/2007). <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8092-8092	16.4	
4	Anorganische Chemie 2003. <i>Nachrichten Aus Der Chemie</i> , 2004 , 52, 243-259	0.1	
3	Fluorination of Methanol Catalysts to improve Productivity and Selectivity 2021 , 579-587	0.3	
2	The Inverted Philosopher's Stone: how to turn silver to a base metal. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2847-2852	2.6	
1	The First Year of B. Sc. Chemistry at the University of Freiburg, Germany: A Report from the Experimental Lecture on General and Inorganic Chemistry. <i>Chimia</i> , 2021 , 75, 9-13	1.3	

