Ralf M Haiges

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9168902/publications.pdf

Version: 2024-02-01

160 papers	6,278 citations	61984 43 h-index	82547 72 g-index
224 all docs	224 docs citations	224 times ranked	6091 citing authors

#	Article	IF	Citations
1	Eliminating nonradiative decay in Cu(I) emitters: >99% quantum efficiency and microsecond lifetime. Science, 2019, 363, 601-606.	12.6	450
2	Giant optical anisotropy in a quasi-one-dimensional crystal. Nature Photonics, 2018, 12, 392-396.	31.4	269
3	Singlet Fission in a Covalently Linked Cofacial Alkynyltetracene Dimer. Journal of the American Chemical Society, 2016, 138, 617-627.	13.7	248
4	â€œQuick-Silverâ€•from a Systematic Study of Highly Luminescent, Two-Coordinate, d¹⁰ Coinage Metal Complexes. Journal of the American Chemical Society, 2019, 141, 8616-8626.	13.7	187
5	Proton-Assisted Reduction of CO₂ by Cobalt Aminopyridine Macrocycles. Journal of the American Chemical Society, 2016, 138, 5765-5768.	13.7	186
6	Pendant Hydrogen-Bond Donors in Cobalt Catalysts Independently Enhance CO₂ Reduction. ACS Central Science, 2018, 4, 397-404.	11.3	163
7	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. Nano Letters, 2018, 18, 3172-3179.	9.1	145
8	High-Energy-Density Materials: Synthesis and Characterization of N5+[P(N3)6]â^', N5+â€‰[B(N3)4]â^', N5+â€‰[HF2]â^'â‹…nâ€‰HF, N5+â€‰[BF4]â^', N5+â€‰[PF6]â^', and N5+â€‰[SO3F]â^'. Angewandte Chemie - International Edition, 2004, 43, 4919-4924.	13.8	128
9	Mechanistic Insights into Ruthenium-Pincer-Catalyzed Amine-Assisted Homogeneous Hydrogenation of CO₂ to Methanol. Journal of the American Chemical Society, 2019, 141, 3160-3170.	13.7	123
10	Control of emission colour with N-heterocyclic carbene (NHC) ligands in phosphorescent three-coordinate Cu(<scp>i</scp>) complexes. Chemical Communications, 2014, 50, 7176-7179.	4.1	122
11	Longâ€Lived Trifluoromethanide Anion: A Key Intermediate in Nucleophilic Trifluoromethylations. Angewandte Chemie - International Edition, 2014, 53, 11575-11578.	13.8	122
12	N,N-Diarylanilinosquaraines and Their Application to Organic Photovoltaics. Chemistry of Materials, 2011, 23, 4789-4798.	6.7	113
13	Structural and Photophysical Studies of Phosphorescent Three-Coordinate Copper(I) Complexes Supported by an N-Heterocyclic Carbene Ligand. Organometallics, 2012, 31, 7983-7993.	2.3	113
14	Covalent-Organic Frameworks Composed of Rhenium Bipyridine and Metal Porphyrins: Designing Heterobimetallic Frameworks with Two Distinct Metal Sites. ACS Applied Materials & Interfaces, 2018, 10, 37919-37927.	8.0	112
15	Amineâ€Free Reversible Hydrogen Storage in Formate Salts Catalyzed by Ruthenium Pincer Complex without pH Control or Solvent Change. ChemSusChem, 2015, 8, 1442-1451.	6.8	107
16	Energetic High-Nitrogen Compounds: 5-(Trinitromethyl)-2H-tetrazole and -tetrazolates, Preparation, Characterization, and Conversion into 5-(Dinitromethyl)tetrazoles. Inorganic Chemistry, 2013, 52, 7249-7260.	4.0	102
17	First Structural Characterization of Binary AsIII and SbIII Azides. Chemistry - A European Journal, 2004, 10, 508-517.	3.3	92
18	Polyazide Chemistry: Preparation and Characterization of Te(N3)4 and[P(C6H5)4]2[Te(N3)6] and Evidence for[N(CH3)4][Te(N3)5]. Angewandte Chemie - International Edition, 2003, 42, 5847-5851.	13.8	91

#	Article	IF	Citations
19	Polyazide Chemistry: The First Binary Group 6 Azides, Mo(N3)6, W(N3)6, [Mo(N3)7]?, and [W(N3)7]?, and the [NW(N3)4]? and [NMo(N3)4]? Ions. Angewandte Chemie - International Edition, 2005, 44, 1860-1865.	13.8	87
20	Oxygen-Balanced Energetic Ionic Liquid. Angewandte Chemie - International Edition, 2006, 45, 4981-4984.	13.8	87
21	Hydrogen Generation from Formic Acid Decomposition by Ruthenium Carbonyl Complexes. Tetraruthenium Dodecacarbonyl Tetrahydride as an Active Intermediate. ChemSusChem, 2011, 4, 1241-1248.	6.8	83
22	A 2,2â€²-bipyridine-containing covalent organic framework bearing rhenium(<scp>i</scp>) tricarbonyl moieties for CO₂ reduction. Dalton Transactions, 2018, 47, 17450-17460.	3.3	80
23	Polyazide Chemistry: Preparation and Characterization of As(N3)5, Sb(N3)5, and [P(C6H5)4][Sb(N3)6]. Angewandte Chemie - International Edition, 2004, 43, 6676-6680.	13.8	79
24	N-Difluoromethylation of Imidazoles and Benzimidazoles Using the Ruppertâ€“Prakash Reagent under Neutral Conditions. Organic Letters, 2014, 16, 54-57.	4.6	75
25	The Binary Group 4 Azides[Ti(N3)4],[P(C6H5)4][Ti(N3)5], and[P(C6H5)4]2[Ti(N3)6] and on Linear Tï£¿Nï£¿NN Coordination. Angewandte Chemie - International Edition, 2004, 43, 3148-3152.	13.8	73
26	Formic Acid As a Hydrogen Storage Medium: Ruthenium-Catalyzed Generation of Hydrogen from Formic Acid in Emulsions. ACS Catalysis, 2014, 4, 311-320.	11.2	72
27	Enhancement of the Luminescent Efficiency in Carbene-Au^(I)-Aryl Complexes by the Restriction of Rennerâ€“Teller Distortion and Bond Rotation. Journal of the American Chemical Society, 2020, 142, 6158-6172.	13.7	72
28	The race for the first generation of the pentazolate anion in solution is far from over. Chemical Communications, 2005, , 1607.	4.1	60
29	The NMR shifts are not a measure for the nakedness of the fluoride anion. Journal of Fluorine Chemistry, 2002, 116, 49-58.	1.7	57
30	The Binary Selenium(IV) Azides Se(N₃)₄, [Se(N₃)₅]^{â^'}, and [Se(N₃)₆]^{2â^'}. Angewandte Chemie - International Edition, 2007, 46, 8686-8690.	13.8	57
31	Experimental Evidence for Linear Metalâ€“Azido Coordination: The Binary Group 5 Azides [Nb(N3)5], [Ta(N3)5], [Nb(N3)6]â^', and [Ta(N3)6]â^', and 1:1 Acetonitrile Adducts [Nb(N3)5(CH3CN)] and [Ta(N3)5(CH3CN)]. Angewandte Chemie - International Edition, 2006, 45, 4830-4835.	13.8	53
32	A Persistent Î±â€²-Fluorocarbanion and Its Analogues: Preparation, Characterization, and Computational Study. Angewandte Chemie - International Edition, 2009, 48, 5358-5362.	13.8	50
33	Formamidinium Nitroformate: An Insensitive RDX Alternative. Journal of the American Chemical Society, 2018, 140, 15089-15098.	13.7	49
34	Optimal Bandgap in a 2D Ruddlesdenâ€“Popper Perovskite Chalcogenide for Single-Junction Solar Cells. Chemistry of Materials, 2018, 30, 4882-4886.	6.7	49
35	Binary Group 15 Polyazides. Structural Characterization of [Bi(N₃)₄]^{â^'}, [Bi(N₃)₅]^{2â€“}, [bipyÂ·Bi(N₃)₅]^{2â€“}, [Bi(N₃)₆]^{3â€“} bipyÂ·As(N₃)₃, bipyÂ·Sb(N₃)₃, and [(bipy)₂Â·Bi(N₃)₃]₂ and on the Lone Pair Activation of Valence Electrons. Inorganic Chemistry, 2012, 51, 1127-1141.	4.0	48
36	Monocapped Trigonal-Prismatic Transition-Metal Heptaazides: Syntheses, Properties, and Structures of [Nb(N3)7]2â^' and [Ta(N3)7]2â^'. Angewandte Chemie - International Edition, 2007, 46, 2869-2874.	13.8	47

#	Article	IF	Citations
37	Nitryl Cyanide, NCNO₂. Angewandte Chemie - International Edition, 2014, 53, 6893-6897.	13.8	45
38	Ammoniaâ€“(Dinitramido)boranes: Highâ€Energyâ€Density Materials. Angewandte Chemie - International Edition, 2015, 54, 11730-11734.	13.8	45
39	Highly Efficient Deep Blue Luminescence of 2-Coordinate Coinage Metal Complexes Bearing Bulky NHC Benzimidazolyl Carbene. Frontiers in Chemistry, 2020, 8, 401.	3.6	42
40	5-(Fluorodinitromethyl)-2H-tetrazole and its tetrazolates â€“ Preparation and Characterization of New High Energy Compounds. Dalton Transactions, 2015, 44, 10166-10176.	3.3	39
41	Difluoro(sulfinato)methylation of Nâ€Sulfinyl Imines Facilitated by 2â€Pyridyl Sulfone: Stereoselective Synthesis of Difluorinated Î²â€Amino Sulfonic Acids and Peptidosulfonamides. Angewandte Chemie - International Edition, 2013, 52, 10835-10839.	13.8	36
42	Crystal growth and structural analysis of perovskite chalcogenide BaZrS₃ and Ruddlesdenâ€“Popper phase Ba₃Zr₂S₇. Journal of Materials Research, 2019, 34, 3819-3826.	2.6	36
43	High frequency atomic tunneling yields ultralow and glass-like thermal conductivity in chalcogenide single crystals. Nature Communications, 2020, 11, 6039.	12.8	36
44	The Syntheses and Structures of Ph4EN3 (E = P, As, Sb), an Example for the Transition from Ionic to Covalent Azides within the Same Main Group. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 2691-2695.	1.2	34
45	The Syntheses and Structure of the Vanadium(IV) and Vanadium(V) Binary Azides V(N₃)₄, [V(N₃)₆]^{2â^'}, and [V(N₃)₆]^{â^'}. Angewandte Chemie - International Edition, 2010, 49, 8008-8012.	13.8	34
46	Conformational Study of 9-Dehydro-9-Trifluoromethyl Cinchona Alkaloids via ¹⁹F NMR Spectroscopy: Emergence of Trifluoromethyl Moiety as a Conformational Stabilizer and a Probe. Journal of the American Chemical Society, 2011, 133, 9992-9995.	13.7	34
47	On the Nature of Cï£¿Hâ‹…â‹…â‹…Fï£¿C Interactions in Hindered CF₃ï£¿C(sp³) Bond Rotations. Angewandte Chemie - International Edition, 2011, 50, 11761-11764.	13.8	34
48	Are DTTO and isoâ€DTTO Worthwhile Targets for Synthesis?. Propellants, Explosives, Pyrotechnics, 2015, 40, 463-468.	1.6	34
49	Rhenium bipyridine catalysts with hydrogen bonding pendant amines for CO₂ reduction. Dalton Transactions, 2019, 48, 14251-14255.	3.3	34
50	Preparation and characterization of 3,5-dinitro-1H-1,2,4-triazole. Dalton Transactions, 2015, 44, 7586-7594.	3.3	33
51	Enantioselective Synthesis of Î±-Stereogenic Î³-Keto Esters via Formal Umpolung. Organic Letters, 2012, 14, 3260-3263.	4.6	32
52	Convenient Access to Trifluoromethanol. Angewandte Chemie - International Edition, 2007, 46, 6155-6158.	13.8	31
53	Energetic Bis(3,5-dinitro-1H-1,2,4-triazolyl)dihydro- and dichloroborates and Bis(5-nitro-2H-tetrazolyl)-, Bis(5-(trinitromethyl)-2H-tetrazolyl)-, and Bis(5-(fluorodinitromethyl)-2H-tetrazolyl)dihydroborate. Inorganic Chemistry, 2013, 52, 5551-5558.	4.0	31
54	Energetics and Mechanism of the Decomposition of Trifluoromethanol. Journal of Physical Chemistry A, 2008, 112, 1298-1312.	2.5	30

#	Article	IF	Citations
55	Nitrogen Difluoride Chemistry. Improved Syntheses ofcis- andtrans-N₂F₂, Synthesis and Characterization of N₂F⁺Sn₂F₉^{â^'}, Ordered Crystal Structure of N₂F⁺Sb₂F₁₁^{â^'}, High-Level Electronic Structure Calculations ofcis-N₂F₂ and Experimental Proof of the Existence oftrans-N₂F₂	4.0	27
56	Preparation and Characterization of the Binary Groupâ€…13 Azides M(N₃)₃ and M(N₃)₃â‹…CH₃CN (M=Ga, In, Tl), [Ga(N₃)₅]^{2â^'}, and [M(N₃)₆]^{3â^'} (M=In, Tl). Angewandte Chemie - International Edition, 2011, 50, 8828-8833.	13.8	27
57	Synthesis, stereochemistry and SAR of a series of minodronate analogues as RGGT inhibitors. European Journal of Medicinal Chemistry, 2011, 46, 4820-4826.	5.5	26
58	Unprecedented Conformational Variability in Main Group Inorganic Chemistry: the Tetraazidoarsenite and -Antimonite Salts A⁺[M(N₃)₄]^{â^'} (A =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Five Different Anion Structures. Inorganic Chemistry, 2013, 52, 402-414.	4.0	26
59	Synthesis and structural characterization of 3,5-dinitro-1,2,4-triazolates. Dalton Transactions, 2015, 44, 2978-2988.	3.3	26
60	Band gap evolution in Ruddlesden-Popper phases. Physical Review Materials, 2019, 3, .	2.4	26
61	Coordination Adducts of Niobium(V) and Tantalum(V) Azide M(N₃)₅ (M=Nb, Ta) with Nitrogen Donor Ligands and their Selfâ€Ionization. Angewandte Chemie - International Edition, 2014, 53, 5431-5434.	13.8	25
62	Preparation of the First Manganese(III) and Manganese(IV) Azides. Angewandte Chemie - International Edition, 2014, 53, 8200-8205.	13.8	24
63	[BH₃C(NO₂)₃]^{â^'}: The First Roomâ€Temperature Stable (Trinitromethyl)borate. Angewandte Chemie - International Edition, 2013, 52, 11002-11006.	13.8	23
64	Protonation of nitriles: isolation and characterization of alkyl- and arylnitrilium ions. Dalton Transactions, 2016, 45, 8494-8499.	3.3	21
65	Synthesis and Characterization of Fluorodinitroamine, FN(NO₂)₂. Angewandte Chemie - International Edition, 2015, 54, 1316-1320.	13.8	20
66	Stereoselective Synthesis of Fluoroalkenoates and Fluorinated Isoxazolidinones: Nâ€Substituents Governing the Dual Reactivity of Nitrones. Chemistry - A European Journal, 2014, 20, 831-838.	3.3	19
67	How Energetic are cycloâ€Pentazolates?. Propellants, Explosives, Pyrotechnics, 2019, 44, 263-266.	1.6	19
68	Direct Synthesis of Diverse Î²â€Fluoroethylamines by a Multicomponent Protocol. Chemistry - A European Journal, 2013, 19, 3579-3583.	3.3	18
69	Adduct Formation of Tantalum(V)â€and Niobium(V) Fluoride with Neutral Group 15 Donor Ligands, an Example for Ligand Induced Selfâ€Ionization. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1568-1575.	1.2	18
70	H₂ evolution by a cobalt selenolate electrocatalyst and related mechanistic studies. Chemical Communications, 2017, 53, 7306-7309.	4.1	18
71	Facile synthesis of Î±-monofluoromethyl alcohols: Nucleophilic monofluoromethylation of aldehydes using TMSCF(SO2Ph)2. Journal of Fluorine Chemistry, 2012, 133, 27-32.	1.7	17
72	A quinoidal bis-phenalenyl-fused porphyrin with supramolecular organization and broad near-infrared absorption. Chemical Communications, 2016, 52, 1949-1952.	4.1	17

#	Article	IF	Citations
73	Lewis adduct formation of hydrogen cyanide and nitriles with arsenic and antimony pentafluoride. Dalton Transactions, 2019, 48, 99-106.	3.3	17
74	Why Are [P(C6H5)4]+N3â^'and [As(C6H5)4]+N3â^'Ionic Salts and Sb(C6H5)4N3and Bi(C6H5)4N3Covalent Solids? A Theoretical Study Provides an Unexpected Answer. Inorganic Chemistry, 2011, 50, 3752-3756.	4.0	16
75	Synthesis and Properties of N₇O⁺. Inorganic Chemistry, 2010, 49, 1245-1251.	4.0	15
76	Are the NF4+ Cations in NF4BF4 Really Nontetrahedral?. Inorganic Chemistry, 2006, 45, 7981-7984.	4.0	14
77	Sulfuryl and Thionyl Halide-Based Ultralow Temperature Primary Batteries. Journal of the Electrochemical Society, 2010, 157, A571.	2.9	14
78	The Vanadium(V) Oxoazides [VO(N₃)₃], [(bipy)VO(N₃)₃], and [VO(N₃)₅]^{2â^'}. Angewandte Chemie - International Edition, 2015, 54, 9101-9105.	13.8	14
79	[(bipy)₂(UO₂)₂(N₃)₄], [(bipy)UO₂(N₃)₃]^{â^'}, [UO₂(N₃)₄]^{2â^'}, and [(UO₂)₂(N₃)₈]^{4â^'}. Chemistry - A European Journal, 2017, 23, 652-664.	3.3	14
80	Synthesis and Characterization of the SO2N3-, (SO2)2N3-, and SO3N3- Anions. Inorganic Chemistry, 2002, 41, 4275-4285.	4.0	13
81	New Signal Processing Method for the Faster Observation of Natural-Abundance 15N NMR Spectra and Its Application to N5+. Inorganic Chemistry, 2006, 45, 437-442.	4.0	13
82	Preparation, Characterization, and Crystal Structures of the SO3NHFâ^' and SO3NF2â^' Ions. Angewandte Chemie - International Edition, 2006, 45, 5179-5184.	13.8	13
83	Methyl Tin(IV) Derivatives of HOTeF5 and HN(SO2CF3)2:â€‰ A Solution Multinuclear NMR Study and the X-ray Crystal Structures of (CH3)2SnCl(OTeF5) and [(CH3)3Sn(H2O)2][N(SO2CF3)2]. Inorganic Chemistry, 2004, 43, 3189-3199.	4.0	12
84	Synthesis and Characterization of (Z)-[N3NFO]+ and (E)-[N3NFO]+. Angewandte Chemie - International Edition, 2007, 46, 3023-3027.	13.8	12
85	The Molybdenum(V) and Tungsten(VI) Oxoazides [MoO(N₃)₃], [MoO(N₃)₃â‹…2â€‰CH₃CN], [(bipy)MoO(N₃)₃], [MoO(N₃)₅]^{2â^'}, [WO(N₃)₄], and [WO(N₃)₄â‹…CH₃CN]. Angewandte Chemie - International Edition, 2015, 54, 15550-15555.	13.8	12
86	Preparation and Characterization of Antimony and Arsenic Tricyanide and Their 2,2â€²â€Bipyridine Adducts. Chemistry - A European Journal, 2016, 22, 13251-13257.	3.3	12
87	Synthesis and Characterization of Nitroâ€, Trinitromethylâ€, and Fluorodinitromethylâ€Substituted Triazolylâ€and Tetrazolylâ€trihydridoborate Anions. Chemistry - A European Journal, 2017, 23, 13087-13099.	3.3	12
88	Understanding the role of crystallographic shear on the electrochemical behavior of niobium oxyfluorides. Journal of Materials Chemistry A, 2020, 8, 12623-12632.	10.3	12
89	Fluoride-Ion Acceptor Properties of WSF₄: Synthesis, Characterization, and Computational Study of the WSF₅^{â€“} and W₂S₂F₉^{â€“} Anions and ¹⁹F NMR Spectroscopic Characterization of the W₂OSF₉^{â€“} Anion. Inorganic Chemistry, 2012, 51, 6350-6359.	4.0	11
90	Convenient Access to Î±â€Fluorinated Alkylammonium Salts. Angewandte Chemie - International Edition, 2015, 54, 14535-14538.	13.8	11

#	Article	IF	Citations
91	The Binary Groupâ€…4 Azides [PPh₄]₂[Zr(N₃)₆] and [PPh₄]₂[Hf(N₃)₆]. Angewandte Chemie - International Edition, 2016, 55, 14350-14354.	13.8	11
92	Single crystal magnetic structure and susceptibility of CoSe2O5. Journal of Solid State Chemistry, 2016, 236, 39-44.	2.9	11
93	Electronically Modified Cobalt Aminopyridine Complexes Reveal an Orthogonal Axis for Catalytic Optimization for CO₂ Reduction. Inorganic Chemistry, 2020, 59, 13709-13718.	4.0	11
94	Tritylsulfinylamine: a new member in the family of sulfinylamines. Solid State Sciences, 2002, 4, 1529-1534.	3.2	10
95	Lewis Acid Catalyzed Condensationâ€“Cyclization Cascade: Direct Synthesis of Di/Trifluoromethylâ€1,2,3,4â€tetrahydroquinazolines. Chemistry - A European Journal, 2015, 21, 10170-10178.	3.3	10
96	Formation Mechanism of NF₄⁺ Salts and Extraordinary Enhancement of the Oxidizing Power of Fluorine by Strong Lewis Acids. Angewandte Chemie - International Edition, 2017, 56, 7924-7929.	13.8	10
97	Perfluoroalcohols: The Preparation and Crystal Structures of Heptafluorocyclobutanol and Hexafluorocyclobutaneâ€1,1â€diol. Angewandte Chemie - International Edition, 2018, 57, 8174-8177.	13.8	10
98	Reaktionen des donorfreien (CF3)2Cd mit Phosphor(V)halogeniden: Difluorcarben-Einschiebungen und Direktsynthese von (CF3)3PF2 / Reactions of Donor-Free (CF3)2Cd with Phosphorus(V) Halides: Insertion of Difluorocarbene and Direct Synthesis of (CF3)3PF2. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1998, 53, 1455-1460.	0.7	9
99	Improved Synthesis of CsN3Dedicated to Professor Joachim StrÃhle on the Occasion of his 65th Birthday. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 909.	1.2	9
100	The (SO2)2N3-Anion. Inorganic Chemistry, 2003, 42, 416-419.	4.0	9
101	The[NH3Cl]+ Ion. Angewandte Chemie - International Edition, 2004, 43, 5213-5217.	13.8	9
102	The First Molybdenum(VI) and Tungsten(VI) Oxoazides MO₂(N₃)₂, MO₂(N₃)₂â‹…2â€‰CH₃CN, (bipy)MO₂(N₃)₂, and [MO₂(N₃)₄]^{2â^’} (M=Mo, W). Angewandte Chemie - International Edition, 2015, 54, 9581-9585.	13.8	9
103	The niobium oxoazides [NbO(N3)3], [NbO(N3)3Â·2CH3CN], [(bipy)NbO(N3)3], Cs2[NbO(N3)5] and [PPh4]2[NbO(N3)5]. Dalton Transactions, 2016, 45, 10523-10529.	3.3	9
104	Tetraâ€Azaâ€Pentacenes by means of a Oneâ€Pot FriedlÃnder Synthesis. Chemistry - A European Journal, 2019, 25, 1472-1475.	3.3	9
105	Selenium(IV) fluoride and oxofluoride anions. Journal of Fluorine Chemistry, 2010, 131, 791-799.	1.7	8
106	Misconceptions on fluoronium ions and hypervalent fluorine cations. Journal of Fluorine Chemistry, 2017, 204, 6-10.	1.7	8
107	Influence of Intermolecular Hydrogen Bonding Interactions on the Electrocatalytic Reduction of CO₂ to CO by 6,6â€²â€Amine Substituted Rhenium Bipyridine Complexes. ChemElectroChem, 2021, 8, 1864-1872.	3.4	8
108	Preparation and Characterization of Groupâ€…13 Cyanides. Chemistry - A European Journal, 2017, 23, 9054-9066.	3.3	7

#	Article	IF	Citations
109	Symmetric pyrrolic squaraines and their application to organic photovoltaics. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 374, 16-21.	3.9	7
110	Synthesis and Characterization of Silyldichloramines, Their Reactions with F-Ions, Instability of N2Cl2and NCl2-, and Formation of NCl3. Inorganic Chemistry, 2007, 46, 93-102.	4.0	6
111	Synthesis and photophysical characterization of a bis-pincer osmium complex. Polyhedron, 2014, 84, 136-143.	2.2	6
112	4-Oxo- or 1-oxo-N₇O⁺? A computational and experimental study. RSC Advances, 2014, 4, 28377-28389.	3.6	6
113	Protonation of Nitramines: Where Does the Proton Go?. Angewandte Chemie - International Edition, 2017, 56, 9587-9591.	13.8	6
114	Defects Cause Subgap Luminescence from a Crystalline Tetracene Derivative. Journal of Physical Chemistry Letters, 2017, 8, 5993-6001.	4.6	6
115	An Improved Method for Product Separation in Metathetical Reactions and its Demonstration for the Synthesis of Anhydrous Cesium Salts. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 1717.	1.2	5
116	A serendipitous phosphonocarboxylate complex of boron: when vessel becomes reagent. Chemical Communications, 2011, 47, 6395.	4.1	5
117	Structure of Cyclic Nucleoside Phosphonate Ester Prodrugs: An Inquiry. Journal of Organic Chemistry, 2012, 77, 684-689.	3.2	5
118	Increasing Sensitivity in Determining Chemical Shifts in One Dimensional Lorentzian NMR Spectra. Journal of Physical Chemistry A, 2013, 117, 3319-3331.	2.5	5
119	Die MolybdÃn(V)â€•und Wolfram(VI)â€oxoazide [MoO(N 3) 3], [MoO(N 3) 3 â‹…2â€‰CH 3 CN], [(bipy)MoO(N 3) 3], [MoO(N 3) 5] 2â¯ , [WO(N 3) 4] und [WO(N 3) 4 â‹…CH 3. Angewandte Chemie, 2015, 127, 15771-15776.	2.0	5
120	Synthesis and characterization of a tetranickel complex supported by a dithiolate framework with pendant ether moieties. Polyhedron, 2017, 123, 9-13.	2.2	5
121	The crystal structure of carbamoyl fluoride, NH2COF. Structural Chemistry, 2017, 28, 303-307.	2.0	5
122	Î±â€Fluoroalcohols: Synthesis and Characterization of Perfluorinated Methanol, Ethanol and nâ€Propanol, and their Oxonium Salts. Chemistry - A European Journal, 2018, 24, 16737-16742.	3.3	5
123	Photochemistry of 2-Nitroarenes: 2-Nitrophenyl-Î±-trifluoromethyl Carbinols as Synthons for Fluoroorganics. Journal of the American Chemical Society, 2019, 141, 15921-15931.	13.7	5
124	Molecular dynamics of four-coordinate carbene-Cu(I) complexes employing tris(pyrazolyl)borate ligands. Polyhedron, 2020, 180, 114381.	2.2	5
125	Effects of Protonation State on Electrocatalytic CO₂ Reduction by a Cobalt Aminopyridine Macrocyclic Complex. Inorganic Chemistry, 2021, 60, 17517-17528.	4.0	5
126	Switching Catalyst Selectivity via the Introduction of a Pendant Nitrophenyl Group. Inorganic Chemistry, 2022, 61, 1316-1326.	4.0	5

#	Article	IF	Citations
127	Thermolysis of trifluoromethyl-containing vinyldiazocarbonyl compounds and X-ray crystal structure analysis of unexpected reaction products. Journal of Fluorine Chemistry, 2013, 156, 322-326.	1.7	4
128	The First Molybdenum(VI) and Tungsten(VI) Oxoazides MO 2 (N 3) 2 , MO 2 (N 3) 2 â‹…2â€‰CH 3 CN, (bipy)MO 2 (N 3) 2 , and [MO 2 (N 3) 4] 2â^' (M=Mo, W). Angewandte Chemie, 2015, 127, 9717-9721.	2.0	4
129	Syntheses of Diphenylaminodiazidophosphane and Diphenylaminofluoroazidophosphane. Inorganic Chemistry, 2015, 54, 11859-11867.	4.0	4
130	The Binary Groupâ€…4 Azides [PPh₄]₂[Zr(N₃)₆] and [PPh₄]₂[Hf(N₃)₆]. Angewandte Chemie, 2016, 128, 14562-14566.	2.0	4
131	Recent developments in the chemistry of metal oxopolyazides. Dalton Transactions, 2019, 48, 806-813.	3.3	4
132	The Binary Group 4 Azide Adducts [(bpy)Ti(N₃)₄], [(phen)Ti(N₃)₄], [(bpy)₂Zr(N₃)₄]₂Â·bpy, and [(bpy)₂Hf(N₃)₄]₂Â·bpy. European Journal of Inorganic Chemistry, 2019, 2019, 2388-2391.	2.0	4
133	Fluoroâ€nitrogen Cations. Angewandte Chemie - International Edition, 2022, 61, .	13.8	4
134	Electronically-coupled redox centers in trimetallic cobalt complexes. Dalton Transactions, 2022, 51, 5660-5672.	3.3	4
135	Formation Mechanism of NF 4 + Salts and Extraordinary Enhancement of the Oxidizing Power of Fluorine by Strong Lewis Acids. Angewandte Chemie, 2017, 129, 8032-8037.	2.0	3
136	Dinitramidoborates: A Fascinating Case of Competing Oxygen and Nitrogen Donors and Tautomerism. Angewandte Chemie, 2017, 129, 11021-11025.	2.0	3
137	Perfluoroalcohols: The Preparation and Crystal Structures of Heptafluorocyclobutanol and Hexafluorocyclobutaneâ€1,1â€diol. Angewandte Chemie, 2018, 130, 8306-8309.	2.0	3
138	Studies on Long-Lived (Pentafluorosulfanyl)phenyl-Substituted Carbocations. Journal of Organic Chemistry, 2019, 84, 11724-11734.	3.2	3
139	Investigation of contamination of thin-film aluminum filters by MMH-NTO plumes exposed to UV radiation. Proceedings of SPIE, 2015, , .	0.8	2
140	Protonierung von Nitraminen: Bildung des Oâ€•oder Nâ€protonierten Kations. Angewandte Chemie, 2017, 129, 9715-9719.	2.0	2
141	Dinitramidoborates: A Fascinating Case of Competing Oxygen and Nitrogen Donors and Tautomerism. Angewandte Chemie - International Edition, 2017, 56, 10881-10885.	13.8	2
142	Difluorochloronium(III) Fluoridometallates â€“ from Molecular Building Blocks to (Helical) Chains. European Journal of Inorganic Chemistry, 2020, 2020, 4483-4496.	2.0	2
143	Preparation and Characterization of Groupâ€…13 Cyanides. Chemistry - A European Journal, 2017, 23, 8991-8991.	3.3	1
144	Protonation of CH 3 N 3 and CF 3 N 3 in Superacids: Isolation and Structural Characterization of Longâ€Lived Methylâ€•and Trifluoromethylamino Diazonium Ions. Angewandte Chemie - International Edition, 2020, 59, 12520-12526.	13.8	1

#	Article	IF	Citations
145	Synthesis and structural characterization of nitrogen containing high energy density materials. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c316-c316.	0.3	0
146	The (SO2)2N3- Anion.. ChemInform, 2003, 34, no.	0.0	0
147	Polyazide Chemistry: Preparation and Characterization of Te(N3)4 and [P(C6H5)4]2 [Te(N3)6] and Evidence for [N(CH3)4][Te(N3)5].. ChemInform, 2004, 35, no.	0.0	0
148	The Binary Group 4 Azides [Ti(N3)4], [P(C6H5)4][Ti(N3)5], and [P(C6H5)4]2 [Ti(N3)6] and on Linear Tiâ€”Nâ€”NN Coordination.. ChemInform, 2004, 35, no.	0.0	0
149	High-Energy-Density Materials: Synthesis and Characterization of N+5[P(N3)6]-, N+5[B(N3)4]-, N+5[HF2]-Â—nHF, N+5[BF4]-, N+5[PF6]-, and N+5[SO3F]-.. ChemInform, 2004, 35, no.	0.0	0
150	The [NH3Cl]+ Ion.. ChemInform, 2004, 35, no.	0.0	0
151	Polyazide Chemistry: Preparation and Characterization of As(N3)5, Sb(N3)5, and [P(C6H5)4][Sb(N3)6].. ChemInform, 2005, 36, no.	0.0	0
152	Polyazide Chemistry: The First Binary Group 6 Azides, Mo(N3)6, W(N3)6, [Mo(N3)7]-, and [W(N3)7]-, and the [NW(N3)4]- and [NMo(N3)4]- Ions.. ChemInform, 2005, 36, no.	0.0	0
153	RÃ¼cktitelbild: Nitryl Cyanide, NCNO2(Angew. Chem. 27/2014). Angewandte Chemie, 2014, 126, 7216-7216.	2.0	0
154	Lewis Acid Catalyzed Synthesis of Di/Trifluoromethyl- 1,2,3,4-Tetrahydroquinazolines. Synfacts, 2015, 11, 1341-1341.	0.0	0
155	Ralf Haiges. Angewandte Chemie - International Edition, 2015, 54, 13162-13162.	13.8	0
156	RÃ¼cktitelbild: Formation Mechanism of NF₄⁺ Salts and Extraordinary Enhancement of the Oxidizing Power of Fluorine by Strong Lewis Acids (Angew. Chem. 27/2017). Angewandte Chemie, 2017, 129, 8128-8128.	2.0	0
157	Protonierung von CH 3 N 3 und CF 3 N 3 in SupersÃuren: Isolierung und strukturelle Charakterisierung von langlebigen Methylâ€•und Trifluormethylaminoâ€Diazoniumâ€Ionen. Angewandte Chemie, 2020, 132, 12620-12627.	2.0	0
158	Group 13 Cyanides & Happiness. ChemistryViews, 0, , .	0.0	0
159	Fluoroâ€nitrogen Cations. Angewandte Chemie, 2022, 134, .	2.0	0
160	Pushing steric limits in osmium(<scp>iv</scp>) tetraaryl complexes. Dalton Transactions, 2022, 51, 10558-10570.	3.3	0