

Heikki M Tuononen

List of Publications by Year in Descending Order

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

65
papers

1,571
citations

22
h-index

37
g-index

70
ext. papers

1,838
ext. citations

7.2
avg. IF

4.68
L-index

#	Paper	IF	Citations
65	A Monomeric Aluminum Imide (Iminoalane) with Al-N Triple-Bonding: Bonding Analysis and Dispersion Energy Stabilization. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6351-6356	16.4	7
64	Side-on Coordination in Isostructural Nitrous Oxide and Carbon Dioxide Complexes of Nickel. <i>Angewandte Chemie</i> , 2021 , 133, 7153-7157	3.6	0
63	Side-on Coordination in Isostructural Nitrous Oxide and Carbon Dioxide Complexes of Nickel. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7077-7081	16.4	7
62	Room-Temperature Magnetic Bistability in a Salt of Organic Radical Ions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15912-15917	16.4	1
61	Low-Valent Germanylidene Anions: Efficient Single-Site Nucleophiles for Activation of Small Molecules. <i>Chemistry - A European Journal</i> , 2021 , 27, 14405-14409	4.8	3
60	The Monomeric Alanediy AlAr (Ar = CH-2,6-(CH-2,4,6-Pr)-3,5-Pr): An Organoaluminum(I) Compound with a One-Coordinate Aluminum Atom. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20554-20559	16.4	20
59	Molecular Complexes Featuring Unsupported Dispersion-Enhanced Aluminum-Copper and Gallium-Copper Bonds. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19874-19878	16.4	10
58	Polymorphism in a Stacked Blatter radical: structures and magnetic properties of 3-(phenyl)-1-(pyrid-2-yl)-1,4-dihydrobenzo[e][1,2,4]triazin-4-yl. <i>CrystEngComm</i> , 2020 , 22, 5453-5463	3.3	6
57	Boron-nitrogen substituted dihydroindeno[1,2-b]fluorene derivatives as acceptors in organic solar cells. <i>Chemical Communications</i> , 2019 , 55, 11095-11098	5.8	12
56	Fabrication of Porous Hydrogenation Catalysts by a Selective Laser Sintering 3D Printing Technique. <i>ACS Omega</i> , 2019 , 4, 12012-12017	3.9	16
55	Benson group additivity values of phosphines and phosphine oxides: Fast and accurate computational thermochemistry of organophosphorus species. <i>Journal of Computational Chemistry</i> , 2019 , 40, 572-580	3.5	0
54	Nickel as a Lewis Base in a T-Shaped Nickel(0) Germylene Complex Incorporating a Flexible Bis(NHC) Ligand. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 154-158	16.4	22
53	Nickel as a Lewis Base in a T-Shaped Nickel(0) Germylene Complex Incorporating a Flexible Bis(NHC) Ligand. <i>Angewandte Chemie</i> , 2019 , 131, 160-164	3.6	7
52	Oligoamide Foldamers as Helical Chloride Receptors-the Influence of Electron-Withdrawing Substituents on Anion-Binding Interactions. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 647-654	4.5	2
51	Porous 3D Printed Scavenger Filters for Selective Recovery of Precious Metals from Electronic Waste. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1800048	5.9	16
50	The Role of Orbital Symmetries in Enforcing Ferromagnetic Ground State in Mixed Radical Dimers. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3624-3630	6.4	2
49	Divergent reactivity of nucleophilic 1-bora-7a-azaindenide anions. <i>Dalton Transactions</i> , 2018 , 47, 734-741	4.3	3

48	Mono- and Bis(imidazolidinium ethynyl) Cations and Reduction of the Latter To Give an Extended Bis-1,4-([3]Cumulene)-p-carboquinoid System. <i>Angewandte Chemie</i> , 2018 , 130, 757-762	3.6	7
47	Preparation and Characterization of P BCh Ring Systems (Ch=S, Se) and Their Reactivity with N-Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2018 , 24, 672-680	4.8	18
46	Mono- and Bis(imidazolidinium ethynyl) Cations and Reduction of the Latter To Give an Extended Bis-1,4-([3]Cumulene)-p-carboquinoid System. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 749-754	16.4	17
45	Non-Innocent Base Properties of 3- and 4-Pyridyl-dithia- and Diselenadiazolyl Radicals: The Effect of N-Methylation. <i>Inorganic Chemistry</i> , 2018 , 57, 13901-13911	5.1	7
44	Effects of Remote Ligand Substituents on the Structures, Spectroscopic, and Magnetic Properties of Two-Coordinate Transition-Metal Thiolate Complexes. <i>Inorganic Chemistry</i> , 2018 , 57, 6491-6502	5.1	11
43	Synthesis and characterisation of p-block complexes of biquinoline at different ligand charge states. <i>Dalton Transactions</i> , 2017 , 46, 1377-1381	4.3	3
42	Trapping Rare and Elusive Phosphinidene Chalcogenides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6236-6240	16.4	32
41	Trapping Rare and Elusive Phosphinidene Chalcogenides. <i>Angewandte Chemie</i> , 2017 , 129, 6332-6336	3.6	16
40	Zirconocene-Based Methods for the Preparation of BN-Indenes: Application to the Synthesis of 1,5-Dibora-4a,8a-diaza-1,2,3,5,6,7-hexaaryl-4,8-dimethyl-s-indacenes. <i>Organometallics</i> , 2017 , 36, 2541-2551	3.8	20
39	Phosphorus-Chalcogen Ring Expansion and Metal Coordination. <i>Inorganic Chemistry</i> , 2017 , 56, 13500-13509	5.0	8
38	Coexistence of long-range antiferromagnetic order and slow relaxation of the magnetization in the first lanthanide complex of a 1,2,4-benzotriazinyl radical. <i>Dalton Transactions</i> , 2017 , 46, 12790-12793	4.3	16
37	Tridentate CIPON+ halogen bonds. <i>CrystEngComm</i> , 2017 , 19, 4960-4963	3.3	11
36	Synthesis of new hybrid 1,4-thiazinyl-1,2,3-dithiazolyl radicals via Smiles rearrangement. <i>Dalton Transactions</i> , 2017 , 46, 16004-16008	4.3	7
35	Synthesis of a labile sulfur-centred ligand, [S(H)C(PPh ₂ S) ₂] ⁻ : structural diversity in lithium(i), zinc(ii) and nickel(ii) complexes. <i>Dalton Transactions</i> , 2016 , 45, 12691-701	4.3	3
34	Cleavage of GeGe and SnSn Triple Bonds in Heavy Group 14 Element Alkyne Analogues (EAriPr ₄) ₂ (E = Ge, Sn; AriPr ₄ = C ₆ H ₃ -2,6(C ₆ H ₃ -2,6-iPr ₂) ₂) by Reaction with Group 6 Carbonyls. <i>Organometallics</i> , 2016 , 35, 2759-2767	3.8	9
33	Ammonia Activation by a Nickel NCN-Pincer Complex featuring a Non-Innocent N-Heterocyclic Carbene: Ammine and Amido Complexes in Equilibrium. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6274-7	16.4	52
32	Comment on Crystallographic Snapshot of an Arrested Intermediate in the Biomimetic Activation of CO ₂ . <i>Angewandte Chemie</i> , 2015 , 127, 7592-7595	3.6	0
31	Group 13 complexes of dipyridylmethane, a forgotten ligand in coordination chemistry. <i>Dalton Transactions</i> , 2015 , 44, 18247-59	4.3	10

30	Addition of Ethylene or Hydrogen to a Main-Group Metal Cluster under Mild Conditions. <i>Angewandte Chemie</i> , 2015 , 127, 3873-3876	3.6	22
29	The Instability of Ni{N(SiMe ₃) ₂ } ₂ : A Fifty Year Old Transition Metal Silylamide Mystery. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12914-7	16.4	27
28	Ammonia Activation by a Nickel NCN-Pincer Complex featuring a Non-Innocent N-Heterocyclic Carbene: Ammine and Amido Complexes in Equilibrium. <i>Angewandte Chemie</i> , 2015 , 127, 6372-6375	3.6	21
27	The Instability of Ni{N(SiMe ₃) ₂ } ₂ : A Fifty Year Old Transition Metal Silylamide Mystery. <i>Angewandte Chemie</i> , 2015 , 127, 13106-13109	3.6	5
26	Comment on "crystallographic snapshot of an arrested intermediate in the biomimetic activation of CO ₂ ". <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7484-7	16.4	1
25	Coordination Complexes of a Neutral 1,2,4-Benzotriazinyl Radical Ligand: Synthesis, Molecular and Electronic Structures, and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2015 , 21, 15843-53	4.8	32
24	Effect of a Rigid Sulfonamide Bond on Molecular Folding: A Case Study. <i>Crystal Growth and Design</i> , 2015 , 15, 2602-2608	3.5	6
23	Reactions of m-Terphenyl-Stabilized Germylene and Stannylenes with Water and Methanol: Oxidative Addition versus Arene Elimination and Different Reaction Pathways for Alkyl- and Aryl-Substituted Species. <i>Organometallics</i> , 2015 , 34, 5785-5791	3.8	18
22	Hydrogen activation with perfluorinated organoboranes: 1,2,3-tris(pentafluorophenyl)-4,5,6,7-tetrafluoro-1-boraindene. <i>Chemical Communications</i> , 2014 , 50, 1295-8	5.8	49
21	1-Phenyl-3-(pyrid-2-yl)benzo[e][1,2,4]triazinyl: the first "Blatter radical" for coordination chemistry. <i>Inorganic Chemistry</i> , 2014 , 53, 33-5	5.1	47
20	Direct observation of a borane-silane complex involved in frustrated Lewis-pair-mediated hydrosilylations. <i>Nature Chemistry</i> , 2014 , 6, 983-8	17.6	29
19	Reactions of Alkenes and Alkynes with an Acyclic Silylene and Heavier Tetrylenes under Ambient Conditions. <i>Organometallics</i> , 2014 , 33, 6253-6258	3.8	30
18	Computational Analysis of π -Back-Bonding in Metallylene Isocyanide Complexes R ₂ MCNR? (M = Si, Ge, Sn; R = tBu, Ph; R' = Me, tBu, Ph). <i>Organometallics</i> , 2013 , 32, 6690-6700	3.8	15
17	Halogen and Hydrogen Bonded Complexes of 5-Iodouracil. <i>Crystal Growth and Design</i> , 2013 , 13, 4769-4775	3.5	24
16	Counterintuitive mechanisms of the addition of hydrogen and simple olefins to heavy group 13 alkene analogues. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1952-60	16.4	32
15	Paramagnetic aluminium diketiminate. <i>Chemical Communications</i> , 2012 , 48, 8949-51	5.8	16
14	A germanium isocyanide complex featuring (π -back-bonding) and its conversion to a hydride/cyanide product via C-H bond activation under mild conditions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4045-8	16.4	56
13	New insights into the chemistry of imidodiphosphinates from investigations of tellurium-centered systems. <i>Accounts of Chemical Research</i> , 2010 , 43, 1053-62	24.3	58

12	The influence of electron delocalization upon the stability and structure of potential N-heterocyclic carbene precursors with 1,3-diaryl-imidazolidine-4,5-dione skeletons. <i>New Journal of Chemistry</i> , 2010 , 34, 1295	3.6	54
11	Tellurium(II)-centered dications from the pseudohalide "Te(OTf) ₂ ". <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4409-13	16.4	47
10	A Cation-Captured Palladium(0) Anion: Synthesis, Structure, and Bonding of [PdBr(PPh ₃) ₂] ⁻ Ligated by an N-Heterocyclic Phosphenium Cation. <i>Organometallics</i> , 2009 , 28, 5261-5265	3.8	49
9	Assembly of a planar, tricyclic B ₄ N ₈ framework with s-indacene structure. <i>Chemical Communications</i> , 2007 , 4522-4	5.8	3
8	Electronic structures of main-group carbene analogues. <i>Inorganic Chemistry</i> , 2007 , 46, 10693-706	5.1	119
7	A π -Donor with a Planar Six- π -Electron B ₂ N ₂ C ₂ Framework: Anionic N-Heterocyclic Carbene or Heterocyclic Terphenyl Anion?. <i>Angewandte Chemie</i> , 2006 , 118, 6504-6507	3.6	12
6	Theoretical investigation of paramagnetic group 13 diazabutadiene radicals: insights into the prediction and interpretation of EPR spectroscopy parameters. <i>Dalton Transactions</i> , 2006 , 1885-94	4.3	25
5	Theoretical investigation of paramagnetic diazabutadiene gallium(III)-pnictogen complexes: insights into the interpretation and simulation of electron paramagnetic resonance spectra. <i>Inorganic Chemistry</i> , 2005 , 44, 8277-84	5.1	16
4	Electronic structures and molecular properties of chalcogen nitrides Se ₂ N ₂ and SeSN ₂ . <i>Journal of Physical Chemistry A</i> , 2005 , 109, 6309-17	2.8	24
3	Formation, Structural Characterization, and Calculated NMR Chemical Shifts of Selenium-Nitrogen Compounds from SeCl ₄ and ArNHLi (Ar = supermesityl, mesityl). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004 , 630, 1947-1954	1.3	24
2	Electronic Structures and Spectroscopic Properties of 6π -Electron Ring Molecules and Ions E ₂ N ₂ and E ₄ 2 ⁺ (E = S, Se, Te). <i>Journal of Physical Chemistry A</i> , 2004 , 108, 5670-5677	2.8	49
1	Conformations and energetics of sulfur and selenium diimides. <i>Inorganic Chemistry</i> , 2003 , 42, 2447-54	5.1	17