

Heikki M Tuononen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4703690/heikki-m-tuononen-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Direct observation of a borane-silane complex involved in frustrated Lewis-pair-mediated hydrosilylations. <i>Nature Chemistry</i> , 2014 , 6, 983-8	17.6	291
64	Electronic structures of main-group carbene analogues. <i>Inorganic Chemistry</i> , 2007 , 46, 10693-706	5.1	119
63	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
62	A germanium isocyanide complex featuring (σ - 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
61	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
60	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
59	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
58	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
57	Electronic Structures and Spectroscopic Properties of 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
56	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
55	Tellurium(II)-centered dications from the pseudohalide "Te(OTf) ₂ ". <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4409-13	16.4	47
54	Trapping Rare and Elusive Phosphinidene Chalcogenides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6236-6240	16.4	32
53	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
52	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
51	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
50	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
49	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

48	Halogen and Hydrogen Bonded Complexes of 5-Iodouracil. <i>Crystal Growth and Design</i> , 2013 , 13, 4769-4775	2.4	24
47	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
46	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
45	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
44	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
43	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
42	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
41	The Monomeric Alane-diyl 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
40	Reactions of m-Terphenyl-Stabilized Germylene and Stannylyne 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
39	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
38	Conformations and energetics of sulfur and selenium diimides. <i>Inorganic Chemistry</i> , 2003 , 42, 2447-54	5.1	17
37	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
36	Trapping Rare and Elusive Phosphinidene Chalcogenides. <i>Angewandte Chemie</i> , 2017 , 129, 6332-6336	3.6	16
35	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
34	Fabrication of Porous Hydrogenation Catalysts by a Selective Laser Sintering 3D Printing Technique. <i>ACS Omega</i> , 2019 , 4, 12012-12017	3.9	16
33	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
32	Paramagnetic aluminium Ediketimate. <i>Chemical Communications</i> , 2012 , 48, 8949-51	5.8	16
31	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

30	Computational Analysis of π - π Back-Bonding in Metallylene Isocyanide Complexes $R_2MCNR^?$ (M = Si, Ge, Sn; R = tBu, Ph; R? = Me, tBu, Ph). <i>Organometallics</i> , 2013 , 32, 6690-6700	3.8	15
29	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
28	A π -Donor with a Planar Six-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
27	Tridentate Cl ⁻ O ⁻ halogen bonds. <i>CrystEngComm</i> , 2017 , 19, 4960-4963	3.3	11
26	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
25	Group 13 complexes of dipyridylmethane, a forgotten ligand in coordination chemistry. <i>Dalton Transactions</i> , 2015 , 44, 18247-59	4.3	10
24	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
23	Cleavage of Ge \equiv Ge and Sn \equiv Sn 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
22	Phosphorus-Chalcogen Ring Expansion and Metal Coordination. <i>Inorganic Chemistry</i> , 2017 , 56, 13500-13509	5.0	8
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	Polymorphism in a π -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
13	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

12	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
11	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
10	Assembly of a planar, tricyclic B ₄ N ₈ framework with s-indacene structure. <i>Chemical Communications</i> , 2007 , 4522-4	5.8	3
9	Divergent reactivity of nucleophilic 1-bora-7a-azaindenide anions. <i>Dalton Transactions</i> , 2018 , 47, 734-741	4.3	3
8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	Side-on Coordination in Isostructural Nitrous Oxide and Carbon Dioxide Complexes of Nickel. <i>Angewandte Chemie</i> , 2021 , 133, 7153-7157	3.6	0