

Risto S Laitinen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Chalcogen-Bonding Interactions in Telluroether Heterocycles [Te(CH ₂) _m] _n (n = 1-4; m = 3-7). Chemistry - A European Journal, 2020, 26, 13747-13747.	3.3	0
2	Chalcogen-Bonding Interactions in Telluroether Heterocycles [Te(CH ₂) _m] _n (n = 1-4; m = 3-7). Chemistry - A European Journal, 2020, 26, 13806-13818.	3.3	9
3	Iron-Intercalated Zirconium Diselenide Thin Films from the Low-Pressure Chemical Vapor Deposition of [Fe(⁵ I-C ₅ H ₄ Se) ₂ Zr(⁵ I-C ₅ H _{3.5}) ₂]		
	ACS Omega, 2020, 5, 15799-15804.		
4	Neutral binary chalcogen-nitrogen and ternary S,N,P molecules: new structures, bonding insights and potential applications. Dalton Transactions, 2020, 49, 6532-6547.	3.3	8
5	Selenium and tellurium-nitrogen reagents. Physical Sciences Reviews, 2019, 4, .	0.8	0
6	Titanocene Selenide Sulfides Revisited: Formation, Stabilities, and NMR Spectroscopic Properties. Molecules, 2019, 24, 319.	3.8	4
7	4. Selenium and tellurium-nitrogen reagents. , 2019, , 123-150.		0
8	2. Selenium and tellurium-halogen reagents. , 2019, , 27-60.		0
9	Introduction of selenium and tellurium into reaction systems. Physical Sciences Reviews, 2019, 4, .	0.8	4
10	Macrocycles containing 1,1'-ferrocenyldiselenolato ligands on group 4 metallocenes. Dalton Transactions, 2018, 47, 5415-5421.	3.3	7
11	Selenium and tellurium-halogen reagents. Physical Sciences Reviews, 2018, 3, .	0.8	1
12	Computational investigations of 18-electron triatomic sulfur-nitrogen anions. Canadian Journal of Chemistry, 2018, 96, 591-598.	1.1	0
13	Accessing new 2D semiconductors with optical band gap: synthesis of iron-intercalated titanium diselenide thin films via LPCVD. RSC Advances, 2018, 8, 22552-22558.	3.6	8
14	Insights into the formation of inorganic heterocycles via cyclocondensation of primary amines with group 15 and 16 halides. Dalton Transactions, 2017, 46, 1357-1367.	3.3	15
15	Competitive Te-Te and C-Te bond cleavage in the oxidative addition of diaryl and dialkyl ditellurides to Pt(0) centers. Journal of Organometallic Chemistry, 2017, 836-837, 17-25.	1.8	7
16	A Selenium-Nitrogen Chain with Selenium in Different Oxidation States. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 495-500.	1.2	2
17	Fundamental chemistry of binary S,N and ternary S,N,O anions: analogues of sulfur oxides and N,O anions. Chemical Society Reviews, 2017, 46, 5182-5192.	38.1	30
18	DFT calculations in the assignment of solid-state NMR and crystal structure elucidation of a lanthanum(III) complex with dithiocarbamate and phenanthroline. Dalton Transactions, 2016, 45, 19473-19484.	3.3	15

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19	Chalcogenâ€“chalcogen secondary bonding interactions in trichalcogenferrocenophanes. <i>CrystEngComm</i> , 2016, 18, 4538-4545.	2.6	22
20	Synthesis, characterization, and ligand behaviour of a new ditelluroether (C ₁₀ H ₇)Te(CH ₂) ₄ Te(C ₁₀ H ₇) and the concurrently formed ionic [(C ₁₀ H ₇)Te(CH ₂) ₄ Br]. <i>Dalton Transactions</i> , 2016, 45, 17206-17215.	3.3	4
21	A Tenâ€“membered Dimetallacycle with an [Ag ²⁺ Dication Bridged by Two <i>P, N</i> Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 390-394.	1.2	2
22	Theoretical and Synthetic Study on the Existence, Structures, and Bonding of the Halide-Bridged [B ₂ X ₇] ^{âˆ’} (X = F, Cl, Br, I) Anions. <i>Inorganic Chemistry</i> , 2016, 55, 3599-3604.	4.0	11
23	The role of imidoselenium(ii) chlorides in the formation of cyclic selenium imides via cyclocondensation. <i>Dalton Transactions</i> , 2016, 45, 6210-6221.	3.3	11
24	Structure and Bonding in Bis(1â€“naphthyl) Diselenide and Bis{[2â€“(N,N-dimethylamino)methyl]phenyl} Tetraselenide, and Their Brominated Derivatives. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 772-779.	1.2	11
25	Mercury- and Cadmium-Assisted [2 + 2] Cyclodimerization of tert-Butylselenium Diimide. <i>Inorganic Chemistry</i> , 2015, 54, 9499-9508.	4.0	6
26	Tellurium: a maverick among the chalcogens. <i>Chemical Society Reviews</i> , 2015, 44, 1725-1739.	38.1	233
27	Experimental and Computational ⁷⁷ Se NMR Investigations of the Cyclic Eight-Membered Selenium Imides 1,3,5,7-Se ₄ (NR) ₄ (R = Me, tBu) and 1,5-Se ₆ (NMe) ₂ . <i>Inorganic Chemistry</i> , 2015, 54, 4990-4997.	4.0	13
28	Synthesis and characterization of 1,1â€“ferrocenyldichalcogenolato complexes of palladium and platinum. <i>Polyhedron</i> , 2015, 101, 244-250.	2.2	3
29	1,1â€“(Diselanediy)bis{[<i>P</i> -diphenyl- <i>N</i> -(trimethylsilyl)phosphorimidoyl]methanylylidene}bis[1,1-diphenyl- <i>N</i> pentane disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o20-o21.	0.2	0
30	Identification of mixed bromidochloridotellurate anions in disordered crystal structures of (bdmim) ₂ [TeX ₂ Y ₄] (X, Y=Br, Cl; bdmim=1-butyl-2,3-dimethylimidazolium) by combined application of Raman spectroscopy and solid-state DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 728-738.	3.9	9
31	Laboratory Simulation of Bed Material Agglomeration Using Synthetic Ash. <i>Energy & Fuels</i> , 2014, 28, 1962-1969.	5.1	9
32	Molecular Dynamics Simulation of the Solid-State Topochemical Polymerization of S ₂ N ₂ . <i>Inorganic Chemistry</i> , 2013, 52, 4648-4657.	4.0	19
33	Prediction of Bed Agglomeration Propensity Directly from Solid Biofuels: A Look Behind Fuel Indicators. <i>Energy & Fuels</i> , 2012, 26, 2427-2433.	5.1	15
34	Syntheses and Structures of Two Dimethyl Diselenide-Diiodine Adducts and the First Well Characterized Diorgano Disulfide-Nitrosonium Adduct. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4970-4977.	2.0	17
35	Palladium complexes containing novel cyclic selenium imides. <i>Dalton Transactions</i> , 2009, , 8473.	3.3	12
36	Formation and Characterization of Platinum and Palladium Complexes of Bis(trimethylsilylmethyl)tellane. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 284-290.	2.0	15

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37	Oxidative addition of cyclic 1-oxa-5,6-ditelluraspriooctane to platinum(0) complexes. Dalton Transactions, 2008, , 3535.	3.3	17
38	Telluroether Complexes of Platinum, Palladium, and Rhodium. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 1046-1049.	1.6	2
39	Colloidal surfaces and oligomeric species generated by water treatment chemicals. Chemical Speciation and Bioavailability, 2008, 20, 13-22.	2.0	26
40	Structural and spectroscopic trends in mononuclear arylchalcogenolato-palladium(II) and -platinum(II) complexes: Crystal structures of [M(TeAr) ₂ (dppe)] {M=palladium, platinum; Ar=phenyl, 2-thienyl; dppe=1,2-bis(diphenylphosphino)ethane}. Journal of Organometallic Chemistry, 2007, 692, 2193-2204.	1.8	34
41	Mineral Classification Revisited: Use of Quaternary Diagrams in the Visualization of Compositional Distribution of Inorganic Material in Coal. Energy & Fuels, 2006, 20, 591-595.	5.1	5
42	Bonding Trends in Lewis Acid Adducts of S ₄ N ₄ X-ray Structure of TeCl ₄ ·S ₄ N ₄ . European Journal of Inorganic Chemistry, 2006, 2006, 2951-2958.	2.0	6
43	Electronic Structures and Molecular Properties of Chalcogen Nitrides Se ₂ N ₂ and SeSN ₂ . Journal of Physical Chemistry A, 2005, 109, 6309-6317.	2.5	26
44	Recent Progress in Imidoselenium Chemistry. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 777-782.	1.6	4
45	Identification and fragmentation of hydrolyzed aluminum species by electrospray ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 1209-1218.	1.6	41
46	Electronic Structures and Spectroscopic Properties of 6 π -Electron Ring Molecules and Ions E ₂ N ₂ and E ₄ 2 ⁺ (E = S, Se, Te). Journal of Physical Chemistry A, 2004, 108, 5670-5677.	2.5	55
47	Effect of Temperature on the Purity of Product in the Preparation of 1-Butyl-3-methylimidazolium-Based Ionic Liquids. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 763-770.	0.7	18
48	An experimental and theoretical study of the isomerization of mononuclear bis(arylselenolato)bis(triphenylphosphine)platinum complexes [Pt(SeR) ₂ (PPh ₃) ₂]. Journal of Organometallic Chemistry, 2003, 666, 111-120.	1.8	26
49	The Role of Amorphous Material in Ash on the Agglomeration Problems in FB Boilers. A Powder XRD and SEM-EDS Study. Energy & Fuels, 2002, 16, 871-877.	5.1	32
50	An unexpected tetrahydrofuran ring opening: synthesis and structural characterization of Ph ₃ PO(CH ₂) ₄ TeBr ₄ . Dalton Transactions RSC, 2001, , 3417-3418.	2.3	28
51	The oxidative addition of diphenyl diselenide and ditelluride to tetrakis(triphenylphosphine)palladium. Journal of Organometallic Chemistry, 2001, 623, 168-175.	1.8	79
52	The X-ray crystallographic study of the reaction of bis(2-thienyl)ditelluride with tetrakis(triphenylphosphine)platinum or -palladium. Journal of Organometallic Chemistry, 2000, 595, 232-240.	1.8	43
53	Isomerism in bis(phenylselenolato)bis(triphenylphosphine)platinum(II): the crystal and molecular structures of cis- and trans-[Pt(SePh) ₂ (PPh ₃) ₂]. Inorganic Chemistry Communication, 2000, 3, 397-399.	3.9	33
54	Syntheses of THF Solutions of SeX ₂ (X = Cl, Br) and a New Route to Selenium Sulfides SeS _{8-n} (n = 1-5): X-ray Crystal Structures of SeCl ₂ (tht) ₂ and SeCl ₂ ·tmtu. Inorganic Chemistry, 1999, 38, 4093-4097.	4.0	104

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55	Preparation, X-ray Structure, and Spectroscopic Characterization of 1,5-Se ₂ S ₂ N ₄ . <i>Inorganic Chemistry</i> , 1999, 38, 3450-3454.	4.0	30
56	New Routes to Heterocyclic Selenium Sulfides.. <i>Acta Chemica Scandinavica</i> , 1998, 52, 1188-1193.	0.7	19
57	Theoretical and Experimental Studies of Six-Membered Selenium-Sulfur Nitrides Se _x S _{4-x} N ₂ (x = 0-4). Preparation of S ₄ N ₂ and SeS ₃ N ₂ by the Reaction of Bis[bis(trimethylsilyl)amino]sulfane with Chalcogen Chlorides. <i>Inorganic Chemistry</i> , 1997, 36, 2170-2177.	4.0	21
58	Formation and Identification of Bis[bis(trimethylsilyl)amino]triand tetrachalcogenides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1995, 50, 1575-1582.	0.7	6
59	Bis(trimethylsilyl)Chalcogenides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 93, 469-470.	1.6	0
60	Six-Membered Selenium-Sulfur Nitrides Se _x S _{4-x} N ₂ (x = 0-4). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 93, 245-248.	1.6	0
61	Small Chalcogen Rings. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 93, 467-468.	1.6	3
62	Homo- and heteroatomic chalcogen rings. <i>Coordination Chemistry Reviews</i> , 1994, 130, 1-62.	18.8	70
63	Preparation of Bis[bis(trimethylsilyl)amino]trisulfane. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 93, 471-472.	1.6	1
64	Complexation Thermodynamics of Lanthanoids with 2,4-, 2,5- and 3,5-Dihydroxybenzoic Acids. <i>Radiochimica Acta</i> , 1993, 61, 201-206.	1.2	4
65	The Quest for the Neutral Sulfur-Selenium-Nitrogen Compounds. The Reaction of Dichlorodisilane-Dichlorodisulfane Mixtures With Ammonia. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1992, 65, 177-180.	1.6	17
66	Selenium-77 nuclear magnetic resonance identification of seven-membered selenium sulfide ring molecules. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 2885.	1.1	17
67	Selenium-77 NMR spectroscopic and x-ray crystallographic characterization of bis(cyclopentadienyl)titanium selenide sulfide mixtures [Ti(C ₅ H ₅) ₂ Se _x S _{5-x}]. <i>Inorganic Chemistry</i> , 1991, 30, 1874-1878.	4.0	29
68	The Se-Se Coupling in Bis(cyclopentadienyl)titanium Pentaselenide [Ti(C ₅ H ₅) ₂ Se ₅]. <i>Acta Chemica Scandinavica</i> , 1989, 43, 914-916.	0.7	13
69	Selenium-77 NMR spectroscopic characterization of selenium sulfide ring molecules SenS _{8-n} . <i>Inorganic Chemistry</i> , 1987, 26, 2598-2603.	4.0	58