

# Risto S Laitinen

## List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Tellurium: a maverick among the chalcogens. <i>Chemical Society Reviews</i> , 2015, 44, 1725-1739.	38.1	233
2	Syntheses of THF Solutions of SeX <sub>2</sub> (X = Cl, Br) and a New Route to Selenium Sulfides SenS <sub>8-n</sub> (n = 1-5): X-ray Crystal Structures of SeCl <sub>2</sub> (tht) <sub>2</sub> and SeCl <sub>2</sub> ·tmtu. <i>Inorganic Chemistry</i> , 1999, 38, 4093-4097.	4.0	104
3	The oxidative addition of diphenyl diselenide and ditelluride to tetrakis(triphenylphosphine)palladium. <i>Journal of Organometallic Chemistry</i> , 2001, 623, 168-175.	1.8	79
4	Homo- and heteroatomic chalcogen rings. <i>Coordination Chemistry Reviews</i> , 1994, 130, 1-62.	18.8	70
5	Selenium-77 NMR spectroscopic characterization of selenium sulfide ring molecules SenS <sub>8-n</sub> . <i>Inorganic Chemistry</i> , 1987, 26, 2598-2603.	4.0	58
6	Electronic Structures and Spectroscopic Properties of 6 $\pi$ -Electron Ring Molecules and Ions E <sub>2</sub> N <sub>2</sub> and E <sub>4</sub> 2 <sup>+</sup> (E = S, Se, Te). <i>Journal of Physical Chemistry A</i> , 2004, 108, 5670-5677.	2.5	55
7	The X-ray crystallographic study of the reaction of bis(2-thienyl)ditelluride with tetrakis(triphenylphosphine)platinum or -palladium. <i>Journal of Organometallic Chemistry</i> , 2000, 595, 232-240.	1.8	43
8	Identification and fragmentation of hydrolyzed aluminum species by electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1209-1218.	1.6	41
9	Structural and spectroscopic trends in mononuclear arylchalcogenolato-palladium(II) and -platinum(II) complexes: Crystal structures of [M(TeAr) <sub>2</sub> (dppe)] {M=palladium, platinum; Ar=phenyl, 2-thienyl; dppe=1,2-bis(diphenylphosphino)ethane}. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2193-2204.	1.8	34
10	Isomerism in bis(phenylselenolato)bis(triphenylphosphine)platinum(II): the crystal and molecular structures of cis- and trans-[Pt(SePh) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]. <i>Inorganic Chemistry Communication</i> , 2000, 3, 397-399.	3.9	33
11	The Role of Amorphous Material in Ash on the Agglomeration Problems in FB Boilers. A Powder XRD and SEM-EDS Study. <i>Energy &amp; Fuels</i> , 2002, 16, 871-877.	5.1	32
12	Preparation, X-ray Structure, and Spectroscopic Characterization of 1,5-Se <sub>2</sub> S <sub>2</sub> N <sub>4</sub> . <i>Inorganic Chemistry</i> , 1999, 38, 3450-3454.	4.0	30
13	Fundamental chemistry of binary S <sub>2</sub> N and ternary S <sub>2</sub> N <sub>2</sub> O anions: analogues of sulfur oxides and N <sub>2</sub> O anions. <i>Chemical Society Reviews</i> , 2017, 46, 5182-5192.	38.1	30
14	Selenium-77 NMR spectroscopic and x-ray crystallographic characterization of bis(cyclopentadienyl)titanium selenide sulfide mixtures [Ti(C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> SexS <sub>5-x</sub> ]. <i>Inorganic Chemistry</i> , 1991, 30, 1874-1878.	4.0	29
15	An unexpected tetrahydrofuran ring opening: synthesis and structural characterization of Ph <sub>3</sub> PO(CH <sub>2</sub> ) <sub>4</sub> TeBr <sub>4</sub> . <i>Dalton Transactions RSC</i> , 2001, , 3417-3418.	2.3	28
16	An experimental and theoretical study of the isomerization of mononuclear bis(arylselenolato)bis(triphenylphosphine)platinum complexes [Pt(SeR) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , 2003, 666, 111-120.	1.8	26
17	Electronic Structures and Molecular Properties of Chalcogen Nitrides Se <sub>2</sub> N <sub>2</sub> and SeSN <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , 2005, 109, 6309-6317.	2.5	26
18	Colloidal surfaces and oligomeric species generated by water treatment chemicals. <i>Chemical Speciation and Bioavailability</i> , 2008, 20, 13-22.	2.0	26

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19	Chalcogenâ€“chalcogen secondary bonding interactions in trichalcogenferrocenophanes. <i>CrystEngComm</i> , 2016, 18, 4538-4545.	2.6	22
20	Theoretical and Experimental Studies of Six-Membered Seleniumâ”Sulfur Nitrides $Se_xS_{4-x}N_2$ ( $x = 0\hat{=}4$ ). Preparation of $S_4N_2$ and $SeS_3N_2$ by the Reaction of Bis[bis(trimethylsilyl)amino]sulfane with Chalcogen Chlorides. <i>Inorganic Chemistry</i> , 1997, 36, 2170-2177.	4.0	21
21	Molecular Dynamics Simulation of the Solid-State Topochemical Polymerization of $S_{<sub>2</sub>N_{<sub>2</sub>}$ . <i>Inorganic Chemistry</i> , 2013, 52, 4648-4657.	4.0	19
22	New Routes to Heterocyclic Selenium Sulfides.. <i>Acta Chemica Scandinavica</i> , 1998, 52, 1188-1193.	0.7	19
23	Effect of Temperature on the Purity of Product in the Preparation of 1-Butyl-3-methylimidazolium-Based Ionic Liquids. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 763-770.	0.7	18
24	The Quest for the Neutral Sulfur-Selenium-Nitrogen Compounds. The Reaction of Dichlorodiselenane-Dichlorodisulfane Mixtures With Ammonia. Phosphorus, Sulfur and Silicon and the Related Elements, 1992, 65, 177-180.	1.6	17
25	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
26	Oxidative addition of cyclic 1-oxa-5,6-ditelluraspirooctane to platinum(0) complexes. <i>Dalton Transactions</i> , 2008, , 3535.	3.3	17
27	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
28	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
29	Prediction of Bed Agglomeration Propensity Directly from Solid Biofuels: A Look Behind Fuel Indicators. <i>Energy &amp; Fuels</i> , 2012, 26, 2427-2433.	5.1	15
30	DFT calculations in the assignment of solid-state NMR and crystal structure elucidation of a lanthanum( $\langle scp>iii</scp>$ ) complex with dithiocarbamate and phenanthroline. <i>Dalton Transactions</i> , 2016, 45, 19473-19484.	3.3	15
31	Insights into the formation of inorganic heterocycles via cyclocondensation of primary amines with group 15 and 16 halides. <i>Dalton Transactions</i> , 2017, 46, 1357-1367.	3.3	15
32	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
33	The Se-Se Coupling in Bis(cyclopentadienyl)titanium Pentaselenide $[Ti(C_5H_5)_2Se_5]$ .. <i>Acta Chemica Scandinavica</i> , 1989, 43, 914-916.	0.7	13
34	Palladium complexes containing novel cyclic selenium imides. <i>Dalton Transactions</i> , 2009, , 8473.	3.3	12
35	Structure and Bonding in Bis(1â€naphthyl) Diselenide and Bis{[2â€{<i>N</i></i>, <i>N</i></i>â€dimethylamino)methyl}phenyl} Tetraselenide, and Their Brominated Derivatives. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 772-779.	1.2	11
36	Theoretical and Synthetic Study on the Existence, Structures, and Bonding of the Halide-Bridged $[B_{<sub>2</sub>X_{<sub>7</sub>}]^{\langle sup>\hat{=}^{\langle sup>}$ (X = F, Cl, Br, I) Anions. <i>Inorganic Chemistry</i> , 2016, 55, 3599-3604.	4.0	11

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37	The role of imidoselenium(ii) chlorides in the formation of cyclic selenium imides via cyclocondensation. Dalton Transactions, 2016, 45, 6210-6221.	3.3	11
38	Identification of mixed bromidochloridotellurate anions in disordered crystal structures of (bdmim) <sub>2</sub> [TeX <sub>2</sub> Y <sub>4</sub> ] (X, Y=Br, Cl; bdmim=1-butyl-2,3-dimethylimidazolium) by combined application of Raman spectroscopy and solid-state DFT calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 728-738.	3.9	9
39	Laboratory Simulation of Bed Material Agglomeration Using Synthetic Ash. Energy & Fuels, 2014, 28, 1962-1969.	5.1	9
40	Chalcogen-Bonding Interactions in Telluroether Heterocycles [Te(CH <sub>2</sub> ) <sub>m</sub> ] <sub>n</sub> (n=1-4; m=3-7). Chemistry - A European Journal, 2020, 26, 13806-13818.	3.3	9
41	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
42	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
43	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
44	Macrocycles containing 1,1'-ferrocenyldiselenolato ligands on group 4 metallocenes. Dalton Transactions, 2018, 47, 5415-5421.	3.3	7
45	Iron-Intercalated Zirconium Diselenide Thin Films from the Low-Pressure Chemical Vapor Deposition of [Fe(10-C <sub>5</sub> H <sub>4</sub> Se) <sub>2</sub> Zr(10-C <sub>5</sub> H <sub>3,5</sub> ) <sub>2</sub> ]		7
	ACS Omega, 2020, 5, 15799-15804.		
46	Formation and Identification of Bis[bis(trimethylsilyl)amino]triand tetrachalcogenides. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1995, 50, 1575-1582.	0.7	6
47	Bonding Trends in Lewis Acid Adducts of S <sub>4</sub> N <sub>4</sub> - X-ray Structure of TeCl <sub>4</sub> ·S <sub>4</sub> N <sub>4</sub> . European Journal of Inorganic Chemistry, 2006, 2006, 2951-2958.	2.0	6
48	Mercury- and Cadmium-Assisted [2 + 2] Cyclodimerization of tert-Butylselenium Diimide. Inorganic Chemistry, 2015, 54, 9499-9508.	4.0	6
49	Mineral Classification Revisited: Use of Quasiternary Diagrams in the Visualization of Compositional Distribution of Inorganic Material in Coal. Energy & Fuels, 2006, 20, 591-595.	5.1	5
50	Complexation Thermodynamics of Lanthanoids with 2,4-, 2,5- and 3,5-Dihydroxybenzoic Acids. Radiochimica Acta, 1993, 61, 201-206.	1.2	4
51	Recent Progress in Imidoselenium Chemistry. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 777-782.	1.6	4
52	Synthesis, characterization, and ligand behaviour of a new ditelluroether (C <sub>10</sub> H <sub>7</sub> ) <sub>2</sub> Te(CH <sub>2</sub> ) <sub>4</sub> Te(C <sub>10</sub> H <sub>7</sub> ) <sub>2</sub> and the concurrently formed ionic [(C <sub>10</sub> H <sub>7</sub> ) <sub>2</sub> Te(CH <sub>2</sub> ) <sub>4</sub> ]Br. Dalton Transactions, 2016, 45, 17206-17215.	3.3	4
53	Titanocene Selenide Sulfides Revisited: Formation, Stabilities, and NMR Spectroscopic Properties. Molecules, 2019, 24, 319.	3.8	4
54	Introduction of selenium and tellurium into reaction systems. Physical Sciences Reviews, 2019, 4, .	0.8	4

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55	Small Chalcogen Rings. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 467-468.	1.6	3
56	Synthesis and characterization of 1,1-ferrocenyldichalcogenolato complexes of palladium and platinum. Polyhedron, 2015, 101, 244-250.	2.2	3
57	Telluroether Complexes of Platinum, Palladium, and Rhodium. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 1046-1049.	1.6	2
58	A Ten-membered Dimetallacycle with an $[Ag\cdot\cdot Ag]^{2+}$ Dication Bridged by Two $\langle i \rangle P, N \langle /i \rangle$ Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 390-394.	1.2	2
59	A Selenium-Nitrogen Chain with Selenium in Different Oxidation States. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 495-500.	1.2	2
60	Preparation of Bis[bis(trimethylsilyl)amino]trisulfane. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 471-472.	1.6	1
61	Selenium and tellurium halogen reagents. Physical Sciences Reviews, 2018, 3, .	0.8	1
62	Bis(trimethylsilyl)Chalcogenides. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 469-470.	1.6	0
63	Six-Membered Selenium-Sulfur Nitrides $Se_xS_{4-x}N_2$ ( $x = 0\text{--}4$ ). Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 245-248.	1.6	0
64	1,1-(Diselanediy)bis[ $\langle i \rangle P \langle /i \rangle, \langle i \rangle P \langle /i \rangle$ -diphenyl- $\langle i \rangle N \langle /i \rangle$ -(trimethylsilyl)phosphorimidoyl]methanylylidene}bis[1,1-diphenyl- $\langle i \rangle N \langle /i \rangle$ ]pentane disolvate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o20-o21.	0.2	0
65	Computational investigations of 18-electron triatomic sulfur nitrogen anions. Canadian Journal of Chemistry, 2018, 96, 591-598.	1.1	0
66	Selenium and tellurium nitrogen reagents. Physical Sciences Reviews, 2019, 4, .	0.8	0
67	4. Selenium and tellurium nitrogen reagents. , 2019, , 123-150.		0
68	2. Selenium and tellurium halogen reagents. , 2019, , 27-60.		0
69	Chalcogen Bonding Interactions in Telluroether Heterocycles $[Te(CH_2)_m]_n$ ( $n = 1\text{--}4$ ; $m = 3\text{--}7$ ). Chemistry - A European Journal, 2020, 26, 13747-13747.	3.3	0