

Vladimir A Potapov

List of Publications by Year in descending order

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105
papers

1,487
citations

331670

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all docs

113
docs citations

113
times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Organoelement chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , 2018, 87, 393-507.	6.5	157
2	Addition of selenium dibromide to divinyl sulfide: spontaneous rearrangement of 2,6-dibromo-1,4-thiaselenane to 5-bromo-2-bromomethyl-1,3-thiaselenolane. <i>Tetrahedron Letters</i> , 2009, 50, 306-308.	1.4	81
3	Thia-, Aza-, and Seleno[3.3.1]bicyclononane Dichlorides: Rates vs Internal Nucleophile in Anchimeric Assistance. <i>Journal of Organic Chemistry</i> , 2011, 76, 4392-4395.	3.2	78
4	Recent Advances in Organochalcogen Synthesis Based on Reactions of Chalcogen Halides with Alkynes and Alkenes. <i>Current Organic Chemistry</i> , 2015, 20, 136-145.	1.6	67
5	The reaction of selenium dichloride with divinyl sulfide. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3369-3372.	1.8	55
6	Reactions of selenium dichloride and dibromide with unsaturated ethers. Annulation of 2,3-dihydro-1,4-oxaselenine to the benzene ring. <i>Tetrahedron Letters</i> , 2011, 52, 4606-4610.	1.4	54
7	Reactions of selenium dichloride and dibromide with divinyl selenide: synthesis of novel selenium heterocycles and rearrangement of 2,6-dihalo-1,4-diselenanes. <i>Tetrahedron Letters</i> , 2010, 51, 89-92.	1.4	52
8	Divinyl selenide: conformational study and stereochemical behavior of its ^{77}Se ^1H spin-spin coupling constants. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 979-985.	1.9	43
9	Reactions of selenium dichloride and dibromide with divinyl sulfone: synthesis of novel four- and five-membered selenium heterocycles. <i>Tetrahedron Letters</i> , 2010, 51, 5258-5261.	1.4	43
10	Conformational analysis and diastereotopic assignments in the series of selenium-containing heterocycles by means of ^{77}Se ^1H spin-spin coupling constants: a combined theoretical and experimental study. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 389-398.	1.9	42
11	Quantum chemical studies of the reaction of selenium dichloride with divinyl sulfide and comparison with experimental results. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1603-1608.	1.8	38
12	Stereoselective synthesis of (E,E)-bis(2-halovinyl) selenides and its derivatives based on selenium halides and acetylene. <i>Tetrahedron</i> , 2012, 68, 10567-10572.	1.9	36
13	2,6-Dihalo-9-selenabicyclo[3.3.1]nonanes and their complexes with selenium dihalides: synthesis and structural characterisation. <i>New Journal of Chemistry</i> , 2015, 39, 8055-8059.	2.8	34
14	First example of a high-level correlated calculation of the indirect spin-spin coupling constants involving tellurium: tellurophene and divinyl telluride. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13101-13107.	2.8	30
15	SYNTHESIS OF VINYLIC SELENIDES AND TELLURIDES BY THE ADDITION OF ALKANESELENOLATE AND -TELLUROLATE ANIONS TO ACETYLENES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993, 79, 277-280.	1.6	28
16	Selenium dihalides: new possibilities for the synthesis of selenium-containing heterocycles (microreview). <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 150-152.	1.2	28
17	Synthesis of Novel E-2-Chlorovinyltellurium Compounds Based on the Stereospecific Anti-addition of Tellurium Tetrachloride to Acetylene. <i>Molecules</i> , 2012, 17, 5770-5779.	3.8	27
18	Reaction of 2-bromomethyl-1,3-thiaselenole with thiourea: en route to the first representatives of 2-(organysulfanyl)-2,3-dihydro-1,4-thiaselenines. <i>Tetrahedron Letters</i> , 2017, 58, 4381-4383.	1.4	24

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19	Unexpected Regioselective Reactions of 2-Bromomethyl-1,3-thiaselenole with Dithiocarbamates: The First Example of Nucleophilic Attack at Selenium Atom of Seleniranium Intermediate. <i>Synlett</i> , 2016, 27, 1653-1658.	1.8	23
20	Synthesis of a novel family of water-soluble 2H,3H-[1,3]thia- and -selenazolo[3,2-a]pyridin-4-ium heterocycles by annulation reactions. <i>Tetrahedron Letters</i> , 2019, 60, 475-479.	1.4	22
21	Cross-coupling of (Z)-1,2-bis(ethylseleno)ethene with the Grignard reagents. <i>Journal of Organometallic Chemistry</i> , 2003, 674, 101-103.	1.8	21
22	A novel methodology for the synthesis of condensed selenium heterocycles based on the annulation and annulation- α -methoxylation reactions of selenium dihalides. <i>New Journal of Chemistry</i> , 2019, 43, 18476-18483.	2.8	21
23	Open-chain unsaturated selanyl sulfides: stereochemical structure and stereochemical behavior of their ^{77}Se ^{1}H spin-spin coupling constants. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 653-658.	1.9	20
24	Efficient and selective syntheses of novel unsaturated chalcogen-containing pyridine derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 5341-5343.	1.4	20
25	Rhodium complexes possessing S-phosphinite ligands with or without an amino group: application to hydroformylation of styrene. <i>Inorganica Chimica Acta</i> , 2004, 357, 2850-2854.	2.4	19
26	Reactions of sodium selenide with ethynyl and bromoethynyl ketones: Stereo- and regioselective synthesis of functionalized divinyl selenides and 1,3-diselenetanes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3679-3682.	1.8	19
27	Natural Compounds and Their Structural Analogs in Regio- and Stereoselective Synthesis of New Families of Water-Soluble 2H,3H-[1,3]thia- and -Selenazolo[3,2-a]pyridin-4-ium Heterocycles by Annulation Reactions. <i>Molecules</i> , 2020, 25, 376.	3.8	18
28	Reactions of selenourea with benzoyl- and 2-thienoylbromoacetylenes: synthesis of 1,3-diselenetanes and 1,4-diselenafulvenes. <i>Tetrahedron Letters</i> , 2008, 49, 974-976.	1.4	17
29	Terminal Organylchalcogenoethyl- and -propylamines and Their Schiff Base Derivatives. <i>Synthesis</i> , 2005, 2005, 1641-1648.	2.3	16
30	Stereoselective synthesis of E-2-halovinyl tellanes, ditellanes and selenides based on tellurium tetrahalides, selenium dihalides and internal alkynes. <i>Journal of Organometallic Chemistry</i> , 2018, 867, 300-305.	1.8	16
31	Effect of Synthetic Organoselenium Drug on the Degree of Pathological Changes in the Organs of White Mice Immunized with Tularemia and Brucellosis Vaccines. <i>Bulletin of Experimental Biology and Medicine</i> , 2019, 168, 66-68.	0.8	16
32	Regio- and stereoselective synthesis of new ensembles of diversely functionalized 1,3-thiaselenol-2-ylmethyl selenides by a double rearrangement reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 515-523.	2.2	14
33	SYNTHESIS OF ACETYLENIC TELLURIDES BY THE IODOMETHANE-INDUCED REACTION OF DIALKYL DITELLURIDES WITH PHENYLACETYLENE. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993, 79, 273-275.	1.6	12
34	Cascade regio- and stereoselective reactions of 2-bromomethyl-1,3-thiaselenole with water and ethylene glycol: En route to the first representatives of polyfunctional 2,3-dihydro-1,4-thiaselenines. <i>Journal of Organometallic Chemistry</i> , 2018, 867, 398-403.	1.8	12
35	Regio- and Stereoselective Synthesis of a Novel Family of Unsaturated Compounds with the Se Bond and Their Cyclization to 2,3-Dihydro-1,4-thiaselenines. <i>Synthesis</i> , 2019, 51, 1832-1840.	2.3	12
36	New methodology of nucleophilic substitution at three different centers of a seleniranium intermediate in reactions of 2-bromomethyl-1,3-thiaselenole with mercapto benzazoles. <i>New Journal of Chemistry</i> , 2019, 43, 11189-11199.	2.8	12

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37	Organic Diselenides and Ditellurides: Disproportionations, Synthesis of Stannyl Selenides, Reactions with Acetylenes. Phosphorus, Sulfur and Silicon and the Related Elements, 1998, 136, 591-594.	1.6	11
38	4,4-Diorganyl-1,1,3,6-tetrachloro-1,4-tellura(IV)silafulvenes – New class of tellurium–silicon containing heterocycles. Journal of Organometallic Chemistry, 2008, 693, 3650-3654.	1.8	11
39	Synthesis of new functionalized organoselenium compounds by heterocyclization of selenium dihalides with pent-4-en-1-ol. Russian Journal of Organic Chemistry, 2016, 52, 339-342.	0.8	11
40	Quantum-chemical study of organic reaction mechanisms. Part 2. Addition of selenium dichloride to acetylene. Journal of Organometallic Chemistry, 2014, 766, 49-56.	1.8	10
41	Remarkable Alkene-to-Alkene and Alkene-to-Alkyne Transfer Reactions of Selenium Dibromide and PhSeBr. Stereoselective Addition of Selenium Dihalides to Cycloalkenes. Molecules, 2020, 25, 194.	3.8	10
42	Synthesis of Fused Compounds on the Basis of Chalcogen Chlorides and 2-Allylphenols. Russian Journal of Organic Chemistry, 2018, 54, 1035-1040.	0.8	9
43	Quantum Chemical and Experimental Studies of an Unprecedented Reaction Pathway of Nucleophilic Substitution of 2-Bromomethyl-1,3-thiaselenole with 1,3-Benzothiazole-2-thiol Proceeding Stepwise at Three Different Centers of Seleniranium Intermediates. Molecules, 2021, 26, 6685.	3.8	9
44	Synthesis Based on Electrophilic Selenium Reagents and Acetylenes. Phosphorus, Sulfur and Silicon and the Related Elements, 1998, 136, 587-590.	1.6	8
45	Rearrangements in methanolysis of bis(2-bromoalkyl)selenides. Russian Journal of Organic Chemistry, 2016, 52, 186-191.	0.8	8
46	First coordination compounds of SeBr ₂ with selenium-containing ligands: X-ray structural determination. Mendeleev Communications, 2016, 26, 532-534.	1.6	8
47	Novel Synthesis of Unsaturated Organoselenium and Organotellurium Compounds Based on Organic Dichalcogenides and Elemental Chalcogens. Phosphorus, Sulfur and Silicon and the Related Elements, 1998, 136, 205-208.	1.6	7
48	Regioselective Reaction of Pyridine-2-Sulfonyl Chloride with Isoeugenol. Russian Journal of Organic Chemistry, 2018, 54, 1262-1264.	0.8	7
49	(Z,Z)-Selanediylbis(2-propenamides): Novel Class of Organoselenium Compounds with High Glutathione Peroxidase-Like Activity. Regio- and Stereoselective Reaction of Sodium Selenide with 3-Trimethylsilyl-2-propynamides. Molecules, 2020, 25, 5940.	3.8	7
50	Syn addition of dialkyl diselenide to phenylacetylene in the presence of tin tetrachloride. Sulfur Letters, 2002, 25, 101-103.	0.3	6
51	A synthesis of 1-thia-4-chalcogenacyclohexane-1-oxides and 1,1-dioxides. Journal of Organometallic Chemistry, 2003, 674, 104-106.	1.8	6
52	Unexpected reaction of (Z)-1,2-bis(benzylseleno)-ethene: The formation of 1,4-diselenin. Sulfur Letters, 2003, 26, 137-140.	0.3	6
53	Regio-selective syntheses of bis(2-haloalkyl) selenides and dihalo[bis(2-haloalkyl)]-1,4-selanes from selenium dihalides and 1-alkenes and the methoxyselenenylation reaction. Arkivoc, 2017, 2017, 365-376.	0.5	6
54	Reaction of tellurium tetrachloride with hept-1-ene. Russian Journal of Organic Chemistry, 2016, 52, 1509-1510.	0.8	5

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55	Highly efficient regioselective synthesis of organotellurium compounds based on the reactions of tellurium tetrachloride with 1-alkenes. <i>Arkivoc</i> , 2017, 2017, 326-334.	0.5	5
56	Synthesis of Functionalized Diorganyl Selenides from Selenium Dihalides and Allylic Aromatic Compounds. <i>Russian Journal of Organic Chemistry</i> , 2019, 55, 1153-1159.	0.8	5
57	Selenium Dihalides Click Chemistry: Highly Efficient Stereoselective Addition to Alkynes and Evaluation of Glutathione Peroxidase-Like Activity of Bis(E-2-halovinyl) Selenides. <i>Molecules</i> , 2022, 27, 1050.	3.8	5
58	Stereoselective addition of tellurium tetrachloride to 4-octyne. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 301-302.	0.8	4
59	Alkoxytelluration of Allylbenzene. <i>Russian Journal of Organic Chemistry</i> , 2018, 54, 526-529.	0.8	4
60	Regio- and stereoselective reaction of sodium benzeneselenolate with 3-(trimethylsilyl)prop-2-ynamides. <i>Russian Chemical Bulletin</i> , 2019, 68, 2134-2136.	1.5	4
61	Efficient Synthesis of a New Family of 2,6-Disulfanyl-9-Selenabicyclo[3.3.1]Nonanes. <i>Molecules</i> , 2021, 26, 2849.	3.8	4
62	A Regioselective Synthesis of Novel Functionalized Organochalcogen Compounds by Chalcogenocyclofunctionalization Reactions Based on Chalcogen Halides and Natural Products. <i>Molecules</i> , 2021, 26, 3729.	3.8	4
63	Terminal organylchalcogenoalkyl phosphonates. <i>Sulfur Letters</i> , 2003, 26, 47-54.	0.3	3
64	Reaction of selenium dihalides with 2-(allylsulfanyl)ethanol. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1533-1534.	0.8	3
65	Reactions of sodium 2-pyridylchalcogenolates with propargyl halides. <i>Russian Chemical Bulletin</i> , 2016, 65, 2982-2984.	1.5	3
66	First syntheses of allenyl methyl selenide and methyl propargyl selenide. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1054-1055.	0.8	3
67	Bis(1,3-dioxolan-2-ylmethyl)selenide. <i>Russian Journal of General Chemistry</i> , 2017, 87, 357-358.	0.8	3
68	Methoxytelluration of styrene with tellurium tetrabromide. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 299-300.	0.8	3
69	Regio- and stereoselective addition of tellurium tetrachloride to methyl propargyl ether. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 1268-1269.	0.8	3
70	Synthesis of [3-(trimethylsilyl)prop-2-yn-1-yl] selenides. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 1510-1513.	0.8	3
71	Regioselective synthesis of functional tellanes from tellurium tetrahalides and 1-octene. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 652-655.	0.8	3
72	Regio- and Stereoselective Addition of Selenium Dichloride to Alkyl Propiolates. <i>Russian Journal of Organic Chemistry</i> , 2019, 55, 1809-1811.	0.8	3

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73	Synthesis of novel (2,3-dihydro-1,4-thiaselenin-2-yl)sulfanyl-substituted pharmacophoric nitrogen heterocycles based on 2-(bromomethyl)-1,3-thiaselenole. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 226-232.	1.2	3
74	Efficient Regioselective Synthesis of Novel Water-Soluble 2H,3H-[1,4]thiazino[2,3,4-ij]quinolin-4-ium Derivatives by Annulation Reactions of 8-quinolinesulfenyl Halides. <i>Molecules</i> , 2021, 26, 1116.	3.8	3
75	Synthesis of new polycyclic compounds via the reaction of quinoline-8-sulfenyl halides with cyclic alkenes. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 314-319.	1.2	3
76	Regio- and Stereoselective Synthesis of (Z,Z)-Bis(3-amino-3-oxo-1-propenyl) Selenides and Diselenides Based on 2-propynamides: A Novel Family of Diselenides with High Glutathione Peroxidase-like Activity. <i>Inorganics</i> , 2022, 10, 74.	2.7	3
77	2-Bromomethyl-1,3-thiaselenole in click chemistry: Synthesis of 1-(2,3-dihydro-1,4-thiaselenin-2-yl)-1H-1,2,3-triazoles via copper-catalyzed and thermal 1,3-dipolar cycloaddition with alkynes. <i>Journal of Organometallic Chemistry</i> , 2022, 977, 122442.	1.8	3
78	Synthesis of Novel Pyrimidine Derivatives Containing the Vinylsulfanyl Group by Regio- and Stereoselective Addition of Thiouracils to Ethynyl Ketones. <i>Heteroatom Chemistry</i> , 2015, 26, 187-193.	0.7	2
79	Effective synthesis of bis(1,4-dioxan-2-ylmethyl)selenide and selenoxide. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1715-1716.	0.8	2
80	Synthesis of bis(tetrahydrofuran-2-ylmethyl) sulfide and sulfoxide. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 283-284.	0.8	2
81	Synthesis of bis(2-haloalkyl) selanes and selenides based on selenium dioxide and terminal alkenes. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 1809-1814.	0.8	2
82	Ethoxytelluration of Terminal Alkenes with Tellurium Tetrahalides. <i>Russian Journal of Organic Chemistry</i> , 2018, 54, 1290-1293.	0.8	2
83	Regio- and Stereoselective Synthesis of (E)-2-Bromo-1-(phenoxyethyl)vinyltellanes. <i>Russian Journal of General Chemistry</i> , 2019, 89, 1931-1933.	0.8	2
84	New Water-Soluble Condensed Heterocyclic Compounds with Antimicrobial Activity Based on Annulation Reactions of 8-Quinolinesulfenyl Halides with Natural Products and Alkenes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8532.	2.5	2
85	A Novel Family of [1,4]Thiazino[2,3,4-ij]quinolin-4-ium Derivatives: Regioselective Synthesis Based on Unsaturated Heteroatom and Heterocyclic Compounds and Antibacterial Activity. <i>Molecules</i> , 2021, 26, 5579.	3.8	2
86	Unexpected reaction of N,N-dichloroarenesulfonamides with divinyl sulfide: formation of N-[2-chloro- and N-[2,2-dichloro-1-(arylsulfonylamino)ethyl]arenesulfonamides. <i>Arkivoc</i> , 2011, 2011, 182-192.	0.5	2
87	Efficient methods of synthesis of unsaturated alcohols and ketones by allylation of Favorsky reaction products under phase transfer conditions. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1733-1737.	0.8	1
88	Efficient synthetic methods for unsaturated 3,4,5-trimethoxybenzyl sulfides and ethers. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1571-1575.	0.8	1
89	Effective synthesis of 2,2-[(selenediylbis(cycloalkyl))] diacetates. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1207-1208.	0.8	1
90	Reactions of selenium dihalides with vinylbenzenes. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 322-325.	0.8	1

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91	Stereoselective synthesis of (E)-vinyltellanes based on the reaction of tellurium tetrachloride with bis(trimethylsilyl)acetylene. Russian Chemical Bulletin, 2017, 66, 574-576.	1.5	1
92	Dipropadienyl telluride. Russian Chemical Bulletin, 2017, 66, 2343-2344.	1.5	1
93	Synthesis of 2,3-Dihydro-1-benzofuran-2-ylmethyltellanes. Russian Journal of General Chemistry, 2018, 88, 1751-1753.	0.8	1
94	Different regiochemical outcomes in annulation reactions of pyridine-2-sulfonyl chloride with phenyl vinyl chalcogenides and allyl phenyl chalcogenides. Chemistry of Heterocyclic Compounds, 2020, 56, 1226-1229.	1.2	1
95	One-Pot Synthesis of Functionalized 1,1- λ^2 -(9-Selenabicyclo[3.3.1]nonane-2,6-diyl)dipyridinium Dibromides. Russian Journal of Organic Chemistry, 2021, 57, 668-670.	0.8	1
96	Efficient Regioselective Synthesis of Novel Condensed Sulfur-Nitrogen Heterocyclic Compounds Based on Annulation Reactions of 2-Quinolinesulfonyl Halides with Alkenes and Cycloalkenes. Molecules, 2021, 26, 4844.	3.8	1
97	Synthesis of Functional Dihydro-1,4-benzoxaselenines from Carvacrol Allyl Ether and Selenium Dihalides. Russian Journal of Organic Chemistry, 2020, 56, 2258-2262.	0.8	1
98	Two types of products in the reactions of 2-pyridinesulfonyl halides with cycloalkenes and cycloalkadienes: synthesis of novel [1,3]thiazolo[3,2-a]pyridinium derivatives. Chemistry of Heterocyclic Compounds, 2020, 56, 1586-1591.	1.2	1
99	Cross-Coupling of (Z)-1,2-Bis(ethylseleno)ethene with the Grignard Reagents.. ChemInform, 2003, 34, no.	0.0	0
100	A Synthesis of 1-Thia-4-chalcogenacyclohexane-1-oxides and 1,1-Dioxides.. ChemInform, 2003, 34, no.	0.0	0
101	Alkoxytelluration of Styrene with Tellurium Tetrahalides. Russian Journal of General Chemistry, 2019, 89, 2154-2158.	0.8	0
102	Regio- and stereoselective synthesis of (Z)-(2,3-dihydro-1,4-thiaselenin-2-yl) vinyl sulfides from 2-bromomethyl-1,3-thiaselenole under phase-transfer catalysis conditions. Chemistry of Heterocyclic Compounds, 2020, 56, 1237-1240.	1.2	0
103	Efficient Synthesis of 2-[(Alkyltellanyl)methyl]-2,3-dihydro-1-benzofurans from Tellurium Tetrahalides and 2-Allylphenols. Russian Journal of Organic Chemistry, 2021, 57, 545-550.	0.8	0
104	One-Pot Syntheses of Functionalized Dihydrobenzoselenophenes and Selenochromans from Acetyl Eugenol and Selenium Dibromide. Rearrangement of 2-(Bromomethyl)-2,3-dihydro-1-benzoselenophene to Selenochromans. Russian Journal of Organic Chemistry, 2021, 57, 558-564.	0.8	0
105	Synthesis of 2,6-Dibromo-9-selenabicyclo[3.3.1]nonane-Based Pyridinium Salts Containing Acetal Groups. Russian Journal of Organic Chemistry, 2022, 58, 628-632.	0.8	0