

# Gilson Zeni

## List of Publications by Year in descending order

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280  
papers

12,725  
citations

47409

49  
h-index

38517

99  
g-index

344  
all docs

344  
docs citations

344  
times ranked

8790  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organoselenium and Organotellurium Compounds: Toxicology and Pharmacology. <i>Chemical Reviews</i> , 2004, 104, 6255-6286.	23.0	1,637
2	Synthesis of Heterocycles via Palladium $\pi$ -Olefin and $\pi$ -Alkyne Chemistry. <i>Chemical Reviews</i> , 2004, 104, 2285-2310.	23.0	1,088
3	Synthesis of Heterocycles via Palladium-Catalyzed Oxidative Addition. <i>Chemical Reviews</i> , 2006, 106, 4644-4680.	23.0	1,068
4	Synthesis of Heterocycles via Electrophilic Cyclization of Alkynes Containing Heteroatom. <i>Chemical Reviews</i> , 2011, 111, 2937-2980.	23.0	635
5	Vinyllic Tellurides: From Preparation to Their Applicability in Organic Synthesis. <i>Chemical Reviews</i> , 2006, 106, 1032-1076.	23.0	233
6	Palladium-Catalyzed Coupling of sp <sup>2</sup> -Hybridized Tellurides. <i>Accounts of Chemical Research</i> , 2003, 36, 731-738.	7.6	139
7	Recent advances in the synthesis of indoles from alkynes and nitrogen sources. <i>Organic Chemistry Frontiers</i> , 2020, 7, 155-210.	2.3	120
8	Electrophilic Cyclization of 2-Chalcogenealkynylanisoles: Versatile Access to 2-Chalcogen-benzofurans. <i>Journal of Organic Chemistry</i> , 2009, 74, 2153-2162.	1.7	117
9	Stereoselective Synthesis of Enynes by Nickel-Catalyzed Cross-Coupling of Divinyl Chalcogenides with Alkynes. <i>Journal of Organic Chemistry</i> , 2003, 68, 662-665.	1.7	116
10	Synthesis of Polyacetylenic Acids Isolated from <i>Heisteria acuminata</i> . <i>Organic Letters</i> , 2001, 3, 819-821.	2.4	115
11	Antinociceptive properties of diphenyl diselenide: Evidences for the mechanism of action. <i>European Journal of Pharmacology</i> , 2007, 555, 129-138.	1.7	110
12	Ebselen blocks the quinolinic acid-induced production of thiobarbituric acid reactive species but does not prevent the behavioral alterations produced by intra-striatal quinolinic acid administration in the rat. <i>Neuroscience Letters</i> , 2002, 318, 137-140.	1.0	105
13	Diphenyl diselenide reverses cadmium-induced oxidative damage on mice tissues. <i>Chemico-Biological Interactions</i> , 2005, 151, 159-165.	1.7	99
14	Addition of hydrogen halides to acetylenic selenides. Synthesis of 1-halo-1-selenoalkenes. <i>Tetrahedron</i> , 1996, 52, 9687-9702.	1.0	95
15	FeCl <sub>3</sub> -Diorganyl Dichalcogenides Promoted Cyclization of 2-Alkynylanisoles to 3-Chalcogen Benzofurans. <i>Journal of Organic Chemistry</i> , 2010, 75, 5701-5706.	1.7	95
16	Diphenyl diselenide reduces temporarily hyperglycemia: Possible relationship with oxidative stress. <i>Chemico-Biological Interactions</i> , 2006, 163, 230-238.	1.7	88
17	Thiophenes and furans derivatives: a new class of potential pharmacological agents. <i>Environmental Toxicology and Pharmacology</i> , 2003, 15, 37-44.	2.0	87
18	Oral administration of diphenyl diselenide protects against cadmium-induced liver damage in rats. <i>Chemico-Biological Interactions</i> , 2008, 171, 15-25.	1.7	87

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19	Regioselective Synthesis of Isochromenones by Iron(III)/PhSeSePh-Mediated Cyclization of 2-Alkynylaryl Esters. <i>Journal of Organic Chemistry</i> , 2011, 76, 6789-6797.	1.7	84
20	Iron(III) Chloride and Diorganyl Diselenides-Mediated 6-endo-dig Cyclization of Arylpropiolates and Arylpropiolamides Leading to 3-Organoselenyl-2H-coumarins and 3-Organoselenyl-quinolinones. <i>Journal of Organic Chemistry</i> , 2014, 79, 10526-10536.	1.7	83
21	Electrophilic Cyclization of ( <i>Z</i> )-Selenoenynes: Synthesis and Reactivity of 3-Iodoselenophenes. <i>Journal of Organic Chemistry</i> , 2007, 72, 6726-6734.	1.7	81
22	New development of synthesis and reactivity of seleno- and tellurophenes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1301.	1.5	80
23	Ebselen protects against methylmercury-induced inhibition of glutamate uptake by cortical slices from adult mice. <i>Toxicology Letters</i> , 2003, 144, 351-357.	0.4	78
24	Acute liver damage induced by 2-nitropropane in rats: Effect of diphenyl diselenide on antioxidant defenses. <i>Chemico-Biological Interactions</i> , 2006, 160, 99-107.	1.7	77
25	Cadmium induced testicular damage and its response to administration of succimer and diphenyl diselenide in mice. <i>Toxicology Letters</i> , 2004, 152, 255-263.	0.4	76
26	Protective effect of diphenyl diselenide on acute liver damage induced by 2-nitropropane in rats. <i>Toxicology</i> , 2005, 210, 1-8.	2.0	74
27	Ebselen attenuates haloperidol-induced orofacial dyskinesia and oxidative stress in rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 608-615.	1.3	70
28	Antisecretory and antiulcer effects of diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , 2006, 21, 86-92.	2.0	70
29	Diphenyl diselenide exerts antidepressant-like and anxiolytic-like effects in mice: Involvement of l-arginine-nitric oxide-soluble guanylate cyclase pathway in its antidepressant-like action. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 88, 418-426.	1.3	70
30	Monoaminergic agents modulate antidepressant-like effect caused by diphenyl diselenide in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 1261-1269.	2.5	69
31	Hydroselenation of Alkynes by Lithium Butylselenolate: An Approach in the Synthesis of Vinylic Selenides. <i>Organic Letters</i> , 2004, 6, 1135-1138.	2.4	68
32	Copper Oxide Nanoparticle-Catalyzed Chalcogenation of the Carbon-Hydrogen Bond in Thiazoles: Synthesis of 2-(Organochalcogen)thiazoles. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2960-2966.	2.1	68
33	Coupling of <i>Z</i> -vinylic tellurides with alkynes catalysed by : synthesis of <i>Z</i> -enyne and <i>Z</i> -enediynes. <i>Tetrahedron Letters</i> , 1999, 40, 4619-4622.	0.7	67
34	Synthesis of 2,3-Dihydroselenophene and Selenophene Derivatives by Electrophilic Cyclization of Homopropargyl Selenides. <i>Organic Letters</i> , 2010, 12, 1952-1955.	2.4	67
35	Highly Stereoselective One-Pot Procedure To Prepare Bis- and Tris-chalcogenide Alkenes via Addition of Disulfides and Diselenides to Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2005, 70, 5257-5268.	1.7	66
36	Iron(III) Chloride/Diorganyl Diselenides: A Tool for Intramolecular Cyclization of Alkynone <i>oxo</i> -Methyloximes. <i>Journal of Organic Chemistry</i> , 2013, 78, 1630-1637.	1.7	61

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37	New acetylenic furan derivatives: synthesis and anti-inflammatory activity. <i>Tetrahedron Letters</i> , 2001, 42, 8927-8930.	0.7	59
38	Synthesis of Organochalcogen Propargyl Aryl Ethers and Their Application in the Electrophilic Cyclization Reaction: An Efficient Preparation of 3-Halo-4-Chalcogen-2-H-Benzopyrans. <i>Journal of Organic Chemistry</i> , 2009, 74, 3469-3477.	1.7	59
39	Improved procedure for the hydrotelluration of alkynes. <i>Tetrahedron Letters</i> , 2000, 41, 1311-1313.	0.7	58
40	Ultrasound-assisted synthesis of functionalized arylacetylenes. <i>Tetrahedron Letters</i> , 2005, 46, 2001-2003.	0.7	58
41	Sequential Carbon-Carbon Selenium Bond Formation Mediated by Iron(III) Chloride and Diorganyl Diselenides: Synthesis and Reactivity of 2-Organoselenyl-Naphthalenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 2713-2723.	1.7	58
42	Exposure to ebselen changes glutamate uptake and release by rat brain synaptosomes. <i>Neurochemical Research</i> , 2002, 27, 283-288.	1.6	57
43	Palladium-Catalyzed Suzuki Cross-Coupling of 2-Haloselenophenes: Synthesis of 2-Arylselenophenes, 2,5-Diarylselenophenes, and 2-Arylselenophenyl Ketones. <i>Journal of Organic Chemistry</i> , 2006, 71, 3786-3792.	1.7	57
44	Synthesis and anti-inflammatory activity of acetylenic thiophenes. <i>Tetrahedron Letters</i> , 2001, 42, 7921-7923.	0.7	55
45	Copper Iodide-Catalyzed Cyclization of (Z)-Chalcogenoenynes. <i>Organic Letters</i> , 2008, 10, 4983-4986.	2.4	55
46	Iron-Catalyzed Cyclization of Alkynols with Diorganyl Diselenides: Synthesis of 2,5-Dihydrofuran, 3,6-Dihydro-2-H-pyran, and 2,5-Dihydro-1-H-pyrrole Organoselenyl Derivatives. <i>Journal of Organic Chemistry</i> , 2015, 80, 7702-7712.	1.7	53
47	Diphenyl diselenide reverses gastric lesions in rats: Involvement of oxidative stress. <i>Food and Chemical Toxicology</i> , 2008, 46, 3023-3029.	1.8	52
48	<i>Candida dubliniensis</i> : Epidemiology and Phenotypic Methods for Identification. <i>Mycopathologia</i> , 2010, 169, 431-443.	1.3	52
49	A decade of advances in the reaction of nitrogen sources and alkynes for the synthesis of triazoles. <i>Coordination Chemistry Reviews</i> , 2020, 409, 213217.	9.5	52
50	Ebselen attenuates reserpine-induced orofacial dyskinesia and oxidative stress in rat striatum. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2003, 27, 135-140.	2.5	50
51	Synthesis and antidepressant-like activity of selenophenes obtained via iron(III)-PhSeSePh-mediated cyclization of Z-selenoenynes. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 798-807.	1.5	50
52	Selenoxides inhibit Î-aminolevulinic acid dehydratase. <i>Toxicology Letters</i> , 2001, 119, 27-37.	0.4	49
53	Synthesis of 1,3-enynes via Suzuki-type reaction of vinylic tellurides and potassium alkynyltrifluoroborate salts. <i>Tetrahedron Letters</i> , 2005, 46, 563-567.	0.7	49
54	Ebselen protects glutamate uptake inhibition caused by methyl mercury but does not by Hg <sup>2+</sup> . <i>Toxicology</i> , 2005, 214, 57-66.	2.0	48

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55	Efficacy of 2,3-dimercapto-1-propanesulfonic acid (DMPS) and diphenyl diselenide on cadmium induced testicular damage in mice. <i>Food and Chemical Toxicology</i> , 2005, 43, 1723-1730.	1.8	48
56	Organoselenium improves memory decline in mice: Involvement of acetylcholinesterase activity. <i>Neuroscience Letters</i> , 2010, 472, 56-60.	1.0	48
57	Antidepressant-like effect of m-trifluoromethyl-diphenyl diselenide in the mouse forced swimming test involves opioid and serotonergic systems. <i>European Journal of Pharmacology</i> , 2011, 658, 145-149.	1.7	48
58	Bis-vinyl selenides obtained via iron(III) catalyzed addition of PhSeSePh to alkynes: synthesis and antinociceptive activity. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1199.	1.5	48
59	Iron-Promoted Tandem Cyclization of 1,3-Diynyl Chalcogen Derivatives with Diorganyl Dichalcogenides for the Synthesis of Benzo[b]furan-Fused Selenophenes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3572-3585.	2.1	47
60	Stereoselective sp <sup>2</sup> -sp <sup>2</sup> bond formation via Negishi cross-coupling of vinylic tellurides and 2-heteroarylzinc chlorides. <i>Tetrahedron Letters</i> , 2004, 45, 4823-4826.	0.7	46
61	Application of organoselenides in the Suzuki, Negishi, Sonogashira and Kumada cross-coupling reactions. <i>Chemical Communications</i> , 2015, 51, 15522-15525.	2.2	45
62	Teratogenic vulnerability of Wistar rats to diphenyl ditelluride. <i>Toxicology</i> , 2005, 207, 231-239.	2.0	44
63	On the mechanisms involved in antinociception induced by diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , 2005, 19, 283-289.	2.0	44
64	Convulsant effect of diphenyl diselenide in rats and mice and its relationship to plasma levels. <i>Toxicology Letters</i> , 2009, 189, 35-39.	0.4	44
65	Antioxidant effect of diphenyl diselenide against sodium nitroprusside (SNP) induced lipid peroxidation in human platelets and erythrocyte membranes: An in vitro evaluation. <i>Chemico-Biological Interactions</i> , 2006, 164, 126-135.	1.7	43
66	Oxalate modulates thiobarbituric acid reactive species (TBARS) production in supernatants of homogenates from rat brain, liver and kidney: Effect of diphenyl diselenide and diphenyl ditelluride. <i>Chemico-Biological Interactions</i> , 2007, 165, 87-98.	1.7	41
67	Depression-related behavior and mechanical allodynia are blocked by 3-(4-fluorophenylselenenyl)-2,5-diphenylselenophene in a mouse model of neuropathic pain induced by partial sciatic nerve ligation. <i>Neuropharmacology</i> , 2014, 79, 580-589.	2.0	41
68	Synthesis of polyacetylenic montiporic acids A and B. <i>Tetrahedron Letters</i> , 1999, 40, 9215-9217.	0.7	40
69	Antinociceptive properties of acetylenic thiophene and furan derivatives: Evidence for the mechanism of action. <i>Life Sciences</i> , 2005, 76, 2221-2234.	2.0	39
70	Copper-Promoted Carbon-Nitrogen Bond Formation with 2-Iodo-selenophene and Amides. <i>Journal of Organic Chemistry</i> , 2006, 71, 1552-1557.	1.7	39
71	Synthesis of Natural Polyacetylenes Bearing Furan Rings. <i>Journal of Natural Products</i> , 2009, 72, 857-860.	1.5	39
72	Transmetalation of Z-Telluroenynes: Stereoselective Synthesis of Z-Enynols and Their Application in Palladium-Catalyzed Cyclization. <i>Organic Letters</i> , 2010, 12, 936-939.	2.4	39

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73	Stereoconservative Formation and Reactivity of $\hat{\pm}$ -Chalcogen-Functionalized Vinylolithium Compounds from $\hat{\pm}$ -Bromo-vinyllic Chalcogenides. <i>Synlett</i> , 1997, 1997, 595-596.	1.0	38
74	Synthesis of $\hat{2}$ -organotelluro vinylphosphine oxides by hydrotelluration of 1-alkynylphosphine oxides and their palladium-catalyzed cross-coupling with alkynes. <i>Tetrahedron Letters</i> , 2002, 43, 4399-4402.	0.7	38
75	Sonogashira cross-coupling reaction of organotellurium dichlorides with terminal alkynes. <i>Tetrahedron Letters</i> , 2003, 44, 1779-1781.	0.7	38
76	Involvement of oxidative stress in seizures induced by diphenyl diselenide in rat pups. <i>Brain Research</i> , 2007, 1147, 226-232.	1.1	38
77	Human erythrocyte hemolysis induced by selenium and tellurium compounds increased by GSH or glucose: A possible involvement of reactive oxygen species. <i>Chemico-Biological Interactions</i> , 2009, 177, 28-33.	1.7	38
78	Involvement of the serotonergic system in the anxiolytic-like effect caused by m-trifluoromethyl-diphenyl diselenide in mice. <i>Behavioural Brain Research</i> , 2009, 205, 511-517.	1.2	38
79	Alkynes and Nitrogen Compounds: Useful Substrates for the Synthesis of Pyrazoles. <i>Chemistry - A European Journal</i> , 2020, 26, 8175-8189.	1.7	38
80	Stereospecific Formation of Chalcogenoenynes via Palladium Catalysed Cross-Coupling Reaction of $\hat{\pm}$ -Bromovinyllic Chalcogenides. <i>Synthesis</i> , 1998, 1998, 39-41.	1.2	37
81	Addition Reaction of p-Methoxyphenyltellurium Trichloride to 3-Hydroxy Alkynes. <i>Organometallics</i> , 1999, 18, 803-806.	1.1	37
82	Effects of diphenyl diselenide on orofacial dyskinesia model in rats. <i>Brain Research Bulletin</i> , 2006, 70, 165-170.	1.4	37
83	Sub-chronic administration of diphenyl diselenide potentiates cadmium-induced testicular damage in mice. <i>Reproductive Toxicology</i> , 2006, 22, 546-550.	1.3	37
84	The antidepressant-like effect of 7-fluoro-1,3-diphenylisoquinoline-1-amine in the mouse forced swimming test is mediated by serotonergic and dopaminergic systems. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 54, 179-186.	2.5	36
85	$K_{2}CO_{3}$ -mediated, direct C-H bond selenation and thiolation of 1,3,4-oxadiazoles in the absence of metal catalyst: an eco-friendly approach. <i>RSC Advances</i> , 2014, 4, 51648-51652.	1.7	36
86	Indium(I) iodide-mediated chemo-, regio-, and stereoselective hydroselenation of 2-alkyn-1-ol derivatives. <i>Tetrahedron Letters</i> , 2002, 43, 7921-7923.	0.7	35
87	Carbon-sulfur bond formation from 2-halochalcogenophenes via copper catalyzed thiol cross-coupling. <i>Tetrahedron Letters</i> , 2005, 46, 2647-2651.	0.7	35
88	Organoselenium compounds prevent hyperphosphorylation of cytoskeletal proteins induced by the neurotoxic agent diphenyl ditelluride in cerebral cortex of young rats. <i>Toxicology</i> , 2005, 210, 213-222.	2.0	35
89	Iron(III) Chloride/Diorganyl Diselenides-Promoted Regioselective Cyclization of Alkynyl Aryl Ketones: Synthesis of $\hat{3}$ -Organoselenyl Chromenones under Ambient Atmosphere. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2042-2050.	2.1	35
90	Moderate swimming exercise and caffeine supplementation reduce the levels of inflammatory cytokines without causing oxidative stress in tissues of middle-aged rats. <i>Amino Acids</i> , 2014, 46, 1187-1195.	1.2	35

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91	The facile synthesis of chiral oxazoline catalysts for the diethylzinc addition to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3291-3295.	1.8	34
92	Diphenyl diselenide improves scopolamine-induced memory impairment in mice. <i>Behavioural Pharmacology</i> , 2010, 21, 556-562.	0.8	34
93	A novel isoquinoline compound abolishes chronic unpredictable mild stress-induced depressive-like behavior in mice. <i>Behavioural Brain Research</i> , 2016, 307, 73-83.	1.2	34
94	Changes in biochemical parameters in rabbits blood after oral exposure to diphenyl diselenide for long periods. <i>Chemico-Biological Interactions</i> , 2006, 162, 1-10.	1.7	33
95	Regioselective Formation of Tetrahydroselenophenes via 5-exo-dig-Cyclization of 1-Butylseleno-4-alkynes. <i>Organic Letters</i> , 2012, 14, 6072-6075.	2.4	33
96	Copper-Catalyzed Carbon-Nitrogen/Carbon-Selenium Bonds Formation: Synthesis of 2-(Organochalcogenyl)indolizines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1901-1911.	2.1	33
97	Diethyl 2-phenyl-2 tellurophenyl vinylphosphonate: An organotellurium compound with low toxicity. <i>Toxicology</i> , 2006, 224, 100-107.	2.0	32
98	Regio- and stereoselective synthesis of vinyl sulfides via PhSeBr-catalyzed hydrothiolation of alkynes. <i>Tetrahedron Letters</i> , 2007, 48, 4805-4808.	0.7	32
99	Cadmium inhibits $\alpha$ -aminolevulinatase from rat lung in vitro: Interaction with chelating and antioxidant agents. <i>Chemico-Biological Interactions</i> , 2007, 165, 127-137.	1.7	32
100	The potential antioxidant activity of 2,3-dihydroselenophene, a prototype drug of 4-aryl-2,3-dihydroselenophenes. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1418-1425.	1.4	32
101	Transition Metal-Catalyzed and Metal-Free Cyclization Reactions of Alkynes with Nitrogen-Containing Substrates: Synthesis of Pyrrole Derivatives. <i>ChemCatChem</i> , 2020, 12, 3335-3408.	1.8	32
102	Copper(II)-Mediated Intramolecular Cyclization of $\alpha$ -Chalcogenoenynes: Synthesis of $\beta$ -Halochalcogenophene Derivatives. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6713-6718.	1.2	31
103	Synthesis of Chalcogenophenes via Cyclization of 1,3-Diynes Promoted by Iron(III) Chloride and Dialkyl Dichalcogenides. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1221-1228.	2.1	31
104	Antifungal activities of diphenyl diselenide and ebselen alone and in combination with antifungal agents against <i>Fusarium</i> spp.. <i>Medical Mycology</i> , 2016, 54, 550-555.	0.3	31
105	Protective effect of disubstituted diaryl diselenides on cerebral oxidative damage caused by sodium nitroprusside. <i>Biochemical Engineering Journal</i> , 2009, 45, 94-99.	1.8	30
106	Iron(III) Chloride/Diorganyl Diselenides Promoted Regio- and Stereoselective Cyclization of $\alpha$ -Alkynylanilides: Synthesis of $\beta$ -(chalcogen)methylenebenzoxazines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 501-508.	2.1	30
107	Swimming exercise and diphenyl diselenide-supplemented diet affect the serum levels of pro- and anti-inflammatory cytokines differently depending on the age of rats. <i>Cytokine</i> , 2015, 71, 119-123.	1.4	30
108	Electrophilic Cyclization Involving Carbon-Selenium/Carbon-Halide Bond Formation: Synthesis of 3-Substituted Selenophenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 6706-6718.	1.7	30

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109	(Biphenyl-2-alkyne) derivatives as common precursors for the synthesis of 9-iodo-10-organochalcogen-phenanthrenes and 9-organochalcogen-phenanthrenes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10415-10426.	1.5	29
110	Stereospecific formation of enynephosphonates via palladium-catalyzed cross-coupling reaction of $\beta$ -organotelluro vinylphosphonates with alkynes. <i>Tetrahedron Letters</i> , 2001, 42, 8563-8565.	0.7	28
111	Synthesis of 3-Alkynylselenophene Derivatives by a Copper-Free Sonogashira Cross-Coupling Reaction. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 377-382.	1.2	28
112	Nucleophilic Cyclization of $\alpha$ -Alkynylbenzamides Promoted by Iron(III) Chloride and Diorganyl Dichalcogenides: Synthesis of 4-Organochalcogenyl-1-isochromen-1-Imines. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1583-1590.	1.2	28
113	Iron(III) Chloride and Diorganyl Diselenide-Promoted Nucleophilic Closures of 1-Benzyl-2-alkynylbenzenes in the Preparation of 9-(Organoselenyl)-5-benzo[7]annulenes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1119-1129.		28
114	Stereoselective Synthesis of (Z)-Enynes via Pd(II)/Cu(I)-Catalyzed Cross-Coupling Reaction of bis-Vinyllic Tellurides with 1-Alkynes. <i>Synlett</i> , 2001, 2001, 1473-1475.	1.0	27
115	Stereoselective preparation of conjugated E-enynes from E-vinyllic tellurides and terminal alkynes via Sonogashira cross-coupling. Electronic supplementary information (ESI) available: spectroscopic data for all new compounds as well as detailed experimental procedures. See <a href="http://www.rsc.org/suppdata/ob/b4/b401059kl">http://www.rsc.org/suppdata/ob/b4/b401059kl</a> . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 803.	1.5	27
116	Application of Copper(I) Iodide/Diorganoyl Dichalcogenides to the Synthesis of 4-Organochalcogen Isoquinolines by Regioselective C-N and C-Chalcogen Bond Formation. <i>Chemistry - A European Journal</i> , 2012, 18, 10602-10608.	1.7	27
117	Diphenyl diselenide-supplemented diet and swimming exercise enhance novel object recognition memory in old rats. <i>Age</i> , 2014, 36, 9666.	3.0	27
118	Iron(III)-Promoted Synthesis of 3-(Organoselenyl)-1,2-Dihydroquinolines from Diorganyl Diselenides and N-Arylpropargylamines by Sequential Carbon-Carbon and Carbon-Selenium Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 96-104.	2.1	27
119	Synthesis of Cross-Conjugated Geminal Eneidyne via Palladium Catalyzed Cross-Coupling Reaction of Ketene Butyltelluroacetals. <i>Synlett</i> , 2002, 2002, 0975-0977.	1.0	26
120	Evidence for the involvement of $\mu$ -opioid and $\delta$ -opioid receptors in the antinociceptive effect caused by oral administration of m-trifluoromethyl-diphenyl diselenide in mice. <i>Behavioural Pharmacology</i> , 2010, 21, 621-626.	0.8	26
121	Cyclization of Homopropargyl Chalcogenides by Copper(II) Salts: Selective Synthesis of 2,3-Dihydro-selenophenes, 3-Arylselenophenes, and 3-Haloselenophenes/thiophenes. <i>Chemistry - A European Journal</i> , 2013, 19, 13059-13064.	1.7	26
122	Expedient Iodocyclization Approach Toward Polysubstituted 3-Benzo[e]indoles. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3255-3261.	2.1	26
123	Ten years of progress in the synthesis of six-membered N-heterocycles from alkynes and nitrogen sources. <i>Tetrahedron</i> , 2020, 76, 130876.	1.0	26
124	Effect of oral administration of diphenyl diselenide on antioxidant status, and activity of delta aminolevulinic acid dehydratase and isoforms of lactate dehydrogenase, in streptozotocin-induced diabetic rats. <i>Cell Biology and Toxicology</i> , 2009, 25, 415-424.	2.4	25
125	Studies on the antioxidant effect and interaction of diphenyl diselenide and dicholesteroyl diselenide with hepatic $\delta$ -aminolevulinic acid dehydratase and isoforms of lactate dehydrogenase. <i>Toxicology in Vitro</i> , 2009, 23, 14-20.	1.1	25
126	Cyclization of Thiopropargyl Benzimidazoles by Combining Iron(III) Chloride and Diorganyl Diselenides. <i>Journal of Organic Chemistry</i> , 2019, 84, 14113-14126.	1.7	25



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127	Synthesis of 3-(Organochalcogen) Chalcogenazolo Indoles via Cascade Cyclization of <i>N</i> -Alkynylindoles. <i>Journal of Organic Chemistry</i> , 2019, 84, 2891-2900.	1.7	25
128	Inhibitory Effect of Ebselen on Cerebral Acetylcholinesterase Activity In Vitro: Kinetics and Reversibility of Inhibition. <i>Current Pharmaceutical Design</i> , 2014, 21, 920-924.	0.9	25
129	Î-Aminolevulinatase Inhibition by Phenyl Selenoacetylene: Effect of Reaction with Hydrogen Peroxide. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002, 90, 214-219.	0.0	24
130	Synthesis of polyacetylenic acids isolated from <i>Nanodea muscosa</i> . <i>Tetrahedron Letters</i> , 2005, 46, 8761-8764.	0.7	24
131	Ebselen and diphenyl diselenide do not change the inhibitory effect of lead acetate on delta-aminolevulinatase dehidratase. <i>Environmental Toxicology and Pharmacology</i> , 2005, 19, 239-248.	2.0	24
132	Palladium-catalyzed cross-coupling of 2-haloselenophene with terminal alkynes in the absence of additive. <i>Tetrahedron Letters</i> , 2006, 47, 2179-2182.	0.7	24
133	Diphenyl ditelluride- and methylmercury-induced hyperphosphorilation of the high molecular weight neurofilament subunit is prevented by organoselenium compounds in cerebral cortex of young rats. <i>Toxicology</i> , 2006, 222, 143-153.	2.0	24
134	Highly Stereoselective One-Pot Procedure to Prepare Unsymmetrical Bis- and Tris-chalcogenide Alkenes via Addition of Chalcogens to Alkynes. <i>Organometallics</i> , 2007, 26, 4252-4256.	1.1	24
135	Csp3-tellurium copper cross-coupling: synthesis of alkynyl tellurides a novel class of antidepressive-like compounds. <i>Tetrahedron Letters</i> , 2009, 50, 909-915.	0.7	24
136	2,2-dithienyl diselenide, an organoselenium compound, elicits antioxidant action and inhibits monoamine oxidase activity <i>in vitro</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 677-684.	2.5	24
137	Hypolipidaemic activity of orally administered diphenyl diselenide in Triton WR-1339-induced hyperlipidaemia in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 1673-1679.	1.2	23
138	The antidepressant-like action of a simple selenium-containing molecule, methyl phenyl selenide, in mice. <i>European Journal of Pharmacology</i> , 2012, 690, 119-123.	1.7	23
139	Diphenyl diselenide <i>in vitro</i> and <i>in vivo</i> activity against the oomycete <i>Pythium insidiosum</i> . <i>Veterinary Microbiology</i> , 2012, 156, 222-226.	0.8	23
140	Potassium <i>tert</i> -Butoxide Promoted Annulation of 2-Alkynylphenyl Propargyl Ethers: Selective Synthesis of Benzofuran and 12-H-Benzoannulene Derivatives. <i>Journal of Organic Chemistry</i> , 2013, 78, 11017-11031.	1.7	23
141	Diorganyl Dichalcogenides-Promoted Nucleophilic Closure of 1,4-Diyn-3-ols: Synthesis of 2-Benzoyl Chalcogenophenes. <i>Journal of Organic Chemistry</i> , 2015, 80, 12470-12481.	1.7	23
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143	Selenium-promoted electrophilic cyclization of arylpropionamides: synthesis of 3-organoselenyl spiro[4,5]trienones. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3544-3551.	1.5	23
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146	In vitro metabolism of diphenyl diselenide in rat liver fractions. Conjugation with GSH and binding to thiol groups. <i>Chemico-Biological Interactions</i> , 2012, 200, 65-72.	1.7	22
147	An organoselenium compound improves behavioral, endocrinal and neurochemical changes induced by corticosterone in mice. <i>Psychopharmacology</i> , 2014, 231, 2119-2130.	1.5	21
148	Synthesis of 3-Organoseleno-Substituted Quinolines through Cyclization of 2-Amino-phenylpropylamines Promoted by Iron(III) Chloride with Diorganyl Diselenides. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5640-5648.	1.2	21
149	A diphenyl diselenide-supplemented diet and swimming exercise promote neuroprotection, reduced cell apoptosis and glial cell activation in the hypothalamus of old rats. <i>Experimental Gerontology</i> , 2016, 82, 1-7.	1.2	21
150	Antioxidant effect of quinoline derivatives containing or not selenium: Relationship with antinociceptive action quinolines are antioxidant and antinociceptive. <i>Anais Da Academia Brasileira De Ciencias</i> , 2017, 89, 457-467.	0.3	21
151	Diphenyl diselenide and 2,3-dimercaptopropanol increase the PTZ-induced chemical seizure and mortality in mice. <i>Brain Research Bulletin</i> , 2006, 68, 414-418.	1.4	20
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153	Diphenyl Diselenide-Induced Seizures in Rat Pups: Possible Interaction with Glutamatergic System. <i>Neurochemical Research</i> , 2008, 33, 996-1004.	1.6	20
154	Convulsant action of diphenyl diselenide in rat pups: measurement and correlation with plasma, liver and brain levels of compound. <i>Archives of Toxicology</i> , 2010, 84, 373-378.	1.9	20
155	Effects of diphenyl diselenide on depressive-like behavior in ovariectomized mice submitted to subchronic stress: involvement of the serotonergic system. <i>Psychopharmacology</i> , 2012, 222, 709-719.	1.5	20
156	Hypolipidaemic activity of orally administered diphenyl diselenide in Triton WR-1339-induced hyperlipidaemia in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2009, 61, 1673-1679.	1.2	20
157	Teratogenic effects of diphenyl diselenide in Wistar rats. <i>Reproductive Toxicology</i> , 2005, 20, 561-568.	1.3	19
158	Antioxidants and metallothionein levels in mercury-treated mice. <i>Cell Biology and Toxicology</i> , 2006, 22, 429-438.	2.4	19
159	3-Iodoselenophene derivatives: a versatile substrate for Negishi cross-coupling reaction. <i>Tetrahedron Letters</i> , 2008, 49, 538-542.	0.7	19
160	Physicochemical and Biochemical Profiling of Diphenyl Diselenide. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 885-893.	1.4	19
161	Diorganyl Diselenides and Iron(III) Chloride Drive the Regio- and Stereoselectivity in the Selenation of Ynamides. <i>Journal of Organic Chemistry</i> , 2021, 86, 980-994.	1.7	19
162	Palladium(II) chloride catalyzes the cross-coupling reaction of 2,5-bis-(butyltelluro)-furan and 1-alkynes. <i>Tetrahedron Letters</i> , 2003, 44, 1387-1390.	0.7	18

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164	Effect of ebselen and organochalcogenides on excitotoxicity induced by glutamate in isolated chick retina. <i>Brain Research</i> , 2005, 1039, 146-152.	1.1	18
165	Screening of potentially toxic chalcogens in erythrocytes. <i>Toxicology in Vitro</i> , 2007, 21, 139-145.	1.1	18
166	7-Fluoro-1,3-diphenylisoquinoline-1-amine abolishes depressive-like behavior and prefrontal cortical oxidative damage induced by acute restraint stress in mice. <i>Physiology and Behavior</i> , 2015, 149, 294-302.	1.0	18
167	In vitro activity of diphenyl diselenide and ebselen alone and in combination with antifungal agents against <i>Trichosporon asahii</i> . <i>Mycoses</i> , 2019, 62, 428-433.	1.8	18
168	m-Trifluoromethyl-diphenyl diselenide (m-CF <sub>3</sub> -PhSe) <sub>2</sub> modulates the hippocampal neurotoxic adaptations and abolishes a depressive-like phenotype in a short-term morphine withdrawal in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 98, 109803.	2.5	18
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170	Hydrotelluration of aminoalkynes Electronic supplementary information (ESI) available: spectroscopic data and detailed experimental procedures for all new compounds. See <a href="http://www.rsc.org/suppdata/cc/b3/b301857a/">http://www.rsc.org/suppdata/cc/b3/b301857a/</a> . <i>Chemical Communications</i> , 2003, , 1258-1259.	2.2	17
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175	Synthesis of 2-Acylselenophenes via Iodine-Promoted Nucleophilic Cyclization of [2-(Butylselenanyl)phenyl]propynols. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3655-3665.	2.1	17
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177	Iodine-mediated regioselective 5-endo-dig electrophilic cyclization reaction of selenoenynes: synthesis of selenophene derivatives. <i>Organic Chemistry Frontiers</i> , 2017, 4, 277-282.	2.3	17
178	Selective inhibition of MAO-A activity results in an antidepressant-like action of 2-benzoyl 4-iodoselenophene in mice. <i>Physiology and Behavior</i> , 2017, 170, 100-105.	1.0	17
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182	m-Trifluoromethyl-diphenyl diselenide attenuates pentylenetetrazole-induced seizures in mice by inhibiting GABA uptake in cerebral cortex slices. <i>Pharmacological Reports</i> , 2009, 61, 1127-1133.	1.5	16
183	Application of FeCl <sub>3</sub> /Diorganyl Diselenides to Cyclization of o-Alkynyl Anilines: Synthesis of 3-Organoselenyl-(N-methyl)indoles. <i>Synlett</i> , 2013, 24, 1125-1132.	1.0	16
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185	4-Organoseleno-Isoquinolines Selectively and Reversibly Inhibit the Cerebral Monoamine Oxidase B Activity. <i>Journal of Molecular Neuroscience</i> , 2016, 59, 135-145.	1.1	16
186	Pain-depression dyad induced by reserpine is relieved by p,p'-methoxyl-diphenyl diselenide in rats. <i>European Journal of Pharmacology</i> , 2016, 791, 794-802.	1.7	16
187	Copper/Palladium-Catalyzed Cyclization/Cross-Coupling Cascade Reaction of 2-Dibromovinyl Aryl Selenides: Synthesis of 2-Substituted Benzo[ <i>b</i> ]selenophenes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4208-4216.	2.1	16
188	Total synthesis of 1-(Z)-atractylodinol. <i>Tetrahedron Letters</i> , 2006, 47, 8183-8185.	0.7	15
189	Effects of diphenyl diselenide on lipid profile and hepatic oxidative stress parameters in ovariectomized female rats. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 663-669.	1.2	15
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193	Molecular Effects of Diphenyl Diselenide on Cholesterol and Glucose Cell Metabolism. <i>Current Medicinal Chemistry</i> , 2013, 20, 4426-4434.	1.2	15
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200	Diphenyl diselenide changes behavior in female pups. <i>Neurotoxicology and Teratology</i> , 2006, 28, 607-616.	1.2	13
201	Synthesis of $\alpha$ -hydroxy- $\beta$ -alkyl/aryl- $\beta$ -organo-selenium and $\beta$ -organo-tellurium: a new class of organochalcogen compounds with antinociceptive activity. <i>Tetrahedron Letters</i> , 2008, 49, 3252-3256.	0.7	13
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203	Diphenyl diselenide ameliorates cognitive deficits induced by a model of menopause in rats. <i>Behavioural Pharmacology</i> , 2012, 23, 98-104.	0.8	13
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207	Contribution of NMDA, GABAA and GABAB receptors and l-arginine-NO-cGMP, MEK1/2 and CaMK-II pathways in the antidepressant-like effect of 7-fluoro-1,3-diphenylisoquinoline-1-amine in mice. <i>European Journal of Pharmacology</i> , 2016, 782, 6-13.	1.7	12
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211	Disubstituted diaryl diselenides inhibit $\gamma$ -ALA-D and Na <sup>+</sup> , K <sup>+</sup> -ATPase activities in rat brain homogenates in vitro. <i>Molecular and Cellular Biochemistry</i> , 2009, 332, 17-24.	1.4	11
212	The impact of a diphenyl diselenide-supplemented diet and aerobic exercise on memory of middle-aged rats. <i>Physiology and Behavior</i> , 2014, 135, 125-129.	1.0	11
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215	Study Toward the Synthesis of Selenofurans via Seleno-Claisen Rearrangement of Allyl Arylselenides. <i>Synthetic Communications</i> , 2003, 33, 2161-2166.	1.1	10
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218	Neuroprotective Benefits of Aerobic Exercise and Organoselenium Dietary Supplementation in Hippocampus of Old Rats. <i>Molecular Neurobiology</i> , 2018, 55, 3832-3840.	1.9	10
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223	Palladium-Catalyzed Carbonylation of 2-Haloselenophenes: Synthesis of Selenophene-2-carboxamides, Selenophene-5-carboxamides and <i>N,N</i> -Bridged Selenophene-2-carboxamides. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5422-5428.		9
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228	Synthesis and anticholinesterase activity of 2-substituted-N-alkynylindoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7926-7934.	1.5	9
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236	Dimethyl Sulfoxide and Ebselen Prevent Convulsions Induced by 5-Aminolevulinic Acid. <i>Neurochemical Research</i> , 2004, 29, 1793-1800.	1.6	7
237	Copper-Catalyzed Cross-Coupling of Thiols with 1-Iodo-2-chalcogenoalkenes. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4460-4465.	1.2	7
238	Palladium-Catalyzed Negishi Cross-Coupling of Arylzinc Reagents with Functionalized Vinylic Tellurides. <i>Synlett</i> , 2006, 2006, 1035-1038.	1.0	6
239	Adult male rats sub-chronically exposed to diphenyl diselenide: Effects on their progeny. <i>Reproductive Toxicology</i> , 2007, 23, 119-123.	1.3	6
240	The intramolecular 5-exo, 7-endo-dig transition metal-free cyclization sequence of (2-alkynylphenyl) benzyl ethers: synthesis of seven-membered fused benzo[b]furans. <i>Green Chemistry</i> , 2016, 18, 6648-6658.	4.6	6
241	Palladium-Catalyzed Cascade 5-endo-dig Cyclization of Ynamides to Form 4-Alkynyloxazolones. <i>Journal of Organic Chemistry</i> , 2022, 87, 3341-3351.	1.7	6
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245	Synthesis of Selenochromenes via Dehydration of Arylalkynols Promoted by Iron(III) Chloride and Diorganyl Diselenides. <i>Journal of Organic Chemistry</i> , 2020, 85, 7349-7357.	1.7	5
246	Potassium <i>tert</i> -Butoxide-Catalyzed Synthesis of $\beta$ -Methylene- $\gamma$ -Lactams from Propiolamides. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2180-2187.	1.2	5
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