

# Gilson Zeni

## List of Publications by Citations

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268  
papers

11,134  
citations

46  
h-index

93  
g-index

344  
ext. papers

11,927  
ext. citations

5.2  
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6.59  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 268 | Organoselenium and organotellurium compounds: toxicology and pharmacology. <i>Chemical Reviews</i> , <b>2004</b> , 104, 6255-85   | 68.1 | 1405      |
| 267 | Synthesis of heterocycles via palladium pi-olefin and pi-alkyne chemistry. <i>Chemical Reviews</i> , <b>2004</b> , 104, 2285-309  | 68.1 | 1024      |
| 266 | Synthesis of heterocycles via palladium-catalyzed oxidative addition. <i>Chemical Reviews</i> , <b>2006</b> , 106, 4644-88  | 68.1 | 1002      |
| 265 | Synthesis of heterocycles via electrophilic cyclization of alkynes containing heteroatom. <i>Chemical Reviews</i> , <b>2011</b> , 111, 2937-80  | 68.1 | 556       |
| 264 | Vinylic tellurides: from preparation to their applicability in organic synthesis. <i>Chemical Reviews</i> , <b>2006</b> , 106, 1032-76  | 68.1 | 214       |
| 263 | Palladium-catalyzed coupling of sp(2)-hybridized tellurides. <i>Accounts of Chemical Research</i> , <b>2003</b> , 36, 731-8   | 24.3 | 132       |
| 262 | Electrophilic cyclization of 2-chalcogenealkynylanisoles: versatile access to 2-chalcogen-benzo[b]furans. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 2153-62   | 4.2  | 106       |
| 261 | Stereoselective synthesis of enynes by nickel-catalyzed cross-coupling of divinyl chalcogenides with alkynes. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 662-5   | 4.2  | 104       |
| 260 | Synthesis of polyacetylenic acids isolated from <i>Heisteria acuminata</i> . <i>Organic Letters</i> , <b>2001</b> , 3, 819-21   | 6.2  | 103       |
| 259 | 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> , <b>2002</b> , 318, 137-40 | 3.3  | 102       |
| 258 | Antinociceptive properties of diphenyl diselenide: evidences for the mechanism of action. <i>European Journal of Pharmacology</i> , <b>2007</b> , 555, 129-38   | 5.3  | 101       |
| 257 | Diphenyl diselenide reverses cadmium-induced oxidative damage on mice tissues. <i>Chemico-Biological Interactions</i> , <b>2005</b> , 151, 159-65   | 5    | 93        |
| 256 | Addition of hydrogen halides to acetylenic selenides. Synthesis of 1-halo-1-selenoalkenes. <i>Tetrahedron</i> , <b>1996</b> , 52, 9687-9702   | 2.4  | 87        |
| 255 | Diphenyl diselenide reduces temporarily hyperglycemia: possible relationship with oxidative stress. <i>Chemico-Biological Interactions</i> , <b>2006</b> , 163, 230-8   | 5    | 84        |
| 254 | Oral administration of diphenyl diselenide protects against cadmium-induced liver damage in rats. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 171, 15-25   | 5    | 78        |
| 253 | FeCl(3)-Diorganyl dichalcogenides promoted cyclization of 2-alkynylanisoles to 3-chalcogen benzo[b]furans. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 5701-6   | 4.2  | 76        |
| 252 | Ebselen protects against methylmercury-induced inhibition of glutamate uptake by cortical slices from adult mice. <i>Toxicology Letters</i> , <b>2003</b> , 144, 351-7  | 4.4  | 75        |

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| 251 | Thiophenes and furans derivatives: a new class of potential pharmacological agents. <i>Environmental Toxicology and Pharmacology</i> , <b>2003</b> , 15, 37-44   | 5.8 | 75 |
| 250 | Electrophilic cyclization of (Z)-selenoenynes: synthesis and reactivity of 3-iodoselenophenes. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 6726-34   | 4.2 | 73 |
| 249 | Acute liver damage induced by 2-nitropropane in rats: effect of diphenyl diselenide on antioxidant defenses. <i>Chemico-Biological Interactions</i> , <b>2006</b> , 160, 99-107  | 5   | 70 |
| 248 | Ebselen attenuates haloperidol-induced orofacial dyskinesia and oxidative stress in rat brain. <i>Pharmacology Biochemistry and Behavior</i> , <b>2005</b> , 81, 608-15  | 3.9 | 70 |
| 247 | 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> , <b>2014</b> , 79, 10526-36         | 4.2 | 69 |
| 246 | New development of synthesis and reactivity of seleno- and tellurophenes. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 1301-13   | 3.9 | 69 |
| 245 | Cadmium induced testicular damage and its response to administration of succimer and diphenyl diselenide in mice. <i>Toxicology Letters</i> , <b>2004</b> , 152, 255-63  | 4.4 | 68 |
| 244 | 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> , <b>2008</b> , 88, 418-26 | 3.9 | 67 |
| 243 | Regioselective synthesis of isochromenones by iron(III)/PhSeSePh-mediated cyclization of 2-alkynylaryl esters. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 6789-97   | 4.2 | 65 |
| 242 | Monoaminergic agents modulate antidepressant-like effect caused by diphenyl diselenide in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2007</b> , 31, 1261-9   | 5.5 | 65 |
| 241 | Antisecretory and antiulcer effects of diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , <b>2006</b> , 21, 86-92   | 5.8 | 65 |
| 240 | Protective effect of diphenyl diselenide on acute liver damage induced by 2-nitropropane in rats. <i>Toxicology</i> , <b>2005</b> , 210, 1-8   | 4.4 | 65 |
| 239 | Synthesis of 2,3-dihydroselenophene and selenophene derivatives by electrophilic cyclization of homopropargyl selenides. <i>Organic Letters</i> , <b>2010</b> , 12, 1952-5   | 6.2 | 62 |
| 238 | Hydroselenation of alkynes by lithium butylselenolate: an approach in the synthesis of vinylic selenides. <i>Organic Letters</i> , <b>2004</b> , 6, 1135-8   | 6.2 | 62 |
| 237 | Coupling of Z-vinylic tellurides with alkynes catalysed by : synthesis of Z-enynes and Z-enediynes. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 4619-4622   | 2   | 61 |
| 236 | Recent advances in the synthesis of indoles from alkynes and nitrogen sources. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 155-210   | 5.2 | 61 |
| 235 | 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> , <b>2005</b> , 70, 5257-68   | 4.2 | 60 |
| 234 | Copper Oxide Nanoparticle-Catalyzed Chalcogenation of the Carbon-Hydrogen Bond in Thiazoles: Synthesis of 2-(Organochalcogen)thiazoles. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 2960-2966   | 5.6 | 56 |

- 233 Palladium-catalyzed Suzuki cross-coupling of 2-haloselenophenes: synthesis of 2-arylselenophenes, 2,5-diarylselenophenes, and 2-arylselenophenyl ketones. *Journal of Organic Chemistry*, **2006**, 71, 3786-92 4.2 55
- 232 Exposure to ebselen changes glutamate uptake and release by rat brain synaptosomes. *Neurochemical Research*, **2002**, 27, 283-8 4.6 55
- 231 Improved procedure for the hydrotelluration of alkynes. *Tetrahedron Letters*, **2000**, 41, 1311-1313 2 55
- 230 Synthesis of organochalcogen propargyl aryl ethers and their application in the electrophilic cyclization reaction: an efficient preparation of 3-halo-4-chalcogen-2H-benzopyrans. *Journal of Organic Chemistry*, **2009**, 74, 3469-77 4.2 54
- 229 Diphenyl diselenide reverses gastric lesions in rats: Involvement of oxidative stress. *Food and Chemical Toxicology*, **2008**, 46, 3023-9 4.7 51
- 228 Iron(III) chloride/diorganyl diselenides: a tool for intramolecular cyclization of alkynone O-methyloximes. *Journal of Organic Chemistry*, **2013**, 78, 1630-7 4.2 50
- 227 Synthesis and anti-inflammatory activity of acetylenic thiophenes. *Tetrahedron Letters*, **2001**, 42, 7921-7923 50
- 226 New acetylenic furan derivatives: synthesis and anti-inflammatory activity. *Tetrahedron Letters*, **2001**, 42, 8927-8930 2 49
- 225 Copper iodide-catalyzed cyclization of (Z)-chalcogenoenynes. *Organic Letters*, **2008**, 10, 4983-6 6.2 48
- 224 Selenoxides inhibit delta-aminolevulinic acid dehydratase. *Toxicology Letters*, **2001**, 119, 27-37 4.4 47
- 223 Efficacy of 2,3-dimercapto-1-propanesulfonic acid (DMPS) and diphenyl diselenide on cadmium induced testicular damage in mice. *Food and Chemical Toxicology*, **2005**, 43, 1723-30 4.7 46
- 222 Synthesis of 1,3-enynes via Suzuki-type reaction of vinylic tellurides and potassium alkynyltrifluoroborate salts. *Tetrahedron Letters*, **2005**, 46, 563-567 2 46
- 221 Ultrasound-assisted synthesis of functionalized arylacetylenes. *Tetrahedron Letters*, **2005**, 46, 2001-2003 46
- 220 Ebselen protects glutamate uptake inhibition caused by methyl mercury but does not by Hg<sup>2+</sup>. *Toxicology*, **2005**, 214, 57-66 4.4 46
- 219 Organoselenium improves memory decline in mice: involvement of acetylcholinesterase activity. *Neuroscience Letters*, **2010**, 472, 56-60 3.3 45
- 218 Sequential Carbon-Carbon/Carbon-Selenium Bond Formation Mediated by Iron(III) Chloride and Diorganyl Diselenides: Synthesis and Reactivity of 2-Organoselenyl-Naphthalenes. *Journal of Organic Chemistry*, **2017**, 82, 2713-2723 4.2 44
- 217 Iron-Catalyzed Cyclization of Alkynols with Diorganyl Diselenides: Synthesis of 2,5-Dihydrofuran, 3,6-Dihydro-2H-pyran, and 2,5-Dihydro-1H-pyrrole Organoselenyl Derivatives. *Journal of Organic Chemistry*, **2015**, 80, 7702-12 4.2 44
- 216 Synthesis and antidepressant-like activity of selenophenes obtained via iron(III)-PhSeSePh-mediated cyclization of Z-selenoenynes. *Organic and Biomolecular Chemistry*, **2012**, 10, 798-807 3.9 44

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| 215 | Ebselen attenuates reserpine-induced orofacial dyskinesia and oxidative stress in rat striatum. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2003</b> , 27, 135-40   | 5.5 | 44 |
| 214 | Convulsant effect of diphenyl diselenide in rats and mice and its relationship to plasma levels. <i>Toxicology Letters</i> , <b>2009</b> , 189, 35-9   | 4.4 | 43 |
| 213 | Teratogenic vulnerability of Wistar rats to diphenyl ditelluride. <i>Toxicology</i> , <b>2005</b> , 207, 231-9   | 4.4 | 43 |
| 212 | On the mechanisms involved in antinociception induced by diphenyl diselenide. <i>Environmental Toxicology and Pharmacology</i> , <b>2005</b> , 19, 283-9   | 5.8 | 41 |
| 211 | 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> , <b>2011</b> , 658, 145-9   | 5.3 | 40 |
| 210 | 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> , <b>2006</b> , 164, 126-35                     | 5   | 40 |
| 209 | Stereoselective sp <sup>2</sup> bond formation via Negishi cross-coupling of vinylic tellurides and 2-heteroarylzinc chlorides. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 4823-4826   | 2   | 40 |
| 208 | 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> , <b>2016</b> , 358, 3572-3585                                    | 5.6 | 38 |
| 207 | <i>Candida dubliniensis</i> : epidemiology and phenotypic methods for identification. <i>Mycopathologia</i> , <b>2010</b> , 169, 431-43  | 2.9 | 38 |
| 206 | Transmetalation of Z-telluroenynes: stereoselective synthesis of Z-enynols and their application in palladium-catalyzed cyclization. <i>Organic Letters</i> , <b>2010</b> , 12, 936-9  | 6.2 | 37 |
| 205 | Involvement of oxidative stress in seizures induced by diphenyl diselenide in rat pups. <i>Brain Research</i> , <b>2007</b> , 1147, 226-32   | 3.7 | 37 |
| 204 | Effects of diphenyl-diselenide on orofacial dyskinesia model in rats. <i>Brain Research Bulletin</i> , <b>2006</b> , 70, 165-70  | 3.9 | 36 |
| 203 | Sonogashira cross-coupling reaction of organotellurium dichlorides with terminal alkynes. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 1779-1781   | 2   | 36 |
| 202 | Stereoconservative Formation and Reactivity of $\pi$ -Chalcogen-Functionalized Vinylolithium Compounds from $\pi$ -Bromo-vinylic Chalcogenides. <i>Synlett</i> , <b>1997</b> , 1997, 595-596   | 2.2 | 35 |
| 201 | Sub-chronic administration of diphenyl diselenide potentiates cadmium-induced testicular damage in mice. <i>Reproductive Toxicology</i> , <b>2006</b> , 22, 546-50   | 3.4 | 35 |
| 200 | Antinociceptive properties of acetylenic thiophene and furan derivatives: evidence for the mechanism of action. <i>Life Sciences</i> , <b>2005</b> , 76, 2221-34   | 6.8 | 35 |
| 199 | Synthesis of polyacetylenic montiporic acids A and B. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 9215-9217   | 2   | 35 |
| 198 | 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> , <b>2014</b> , 54, 179-86 | 5.5 | 34 |

- 197 Depression-related behavior and mechanical allodynia are blocked by 3-(4-fluorophenylselenyl)-2,5-diphenylselenophene in a mouse model of neuropathic pain induced by partial sciatic nerve ligation. *Neuropharmacology*, **2014**, 79, 580-9 5.5 34
- 196 Human erythrocyte hemolysis induced by selenium and tellurium compounds increased by GSH or glucose: a possible involvement of reactive oxygen species. *Chemico-Biological Interactions*, **2009**, 177, 28-33 5 34
- 195 Copper-promoted carbon-nitrogen bond formation with 2-iodo-selenophene and amides. *Journal of Organic Chemistry*, **2006**, 71, 1552-7 4.2 34
- 194 Synthesis of Erganotelluro vinylphosphine oxides by hydrotelluration of 1-alkynylphosphine oxides and their palladium-catalyzed cross-coupling with alkynes. *Tetrahedron Letters*, **2002**, 43, 4399-4402 34
- 193 Organoselenium compounds prevent hyperphosphorylation of cytoskeletal proteins induced by the neurotoxic agent diphenyl ditelluride in cerebral cortex of young rats. *Toxicology*, **2005**, 210, 213-22 4.4 34
- 192 Application of organoselenides in the Suzuki, Negishi, Sonogashira and Kumada cross-coupling reactions. *Chemical Communications*, **2015**, 51, 15522-5 5.8 33
- 191 Bis-vinyl selenides obtained via iron(III) catalyzed addition of PhSeSePh to alkynes: synthesis and antinociceptive activity. *Organic and Biomolecular Chemistry*, **2013**, 11, 1199-208 3.9 33
- 190 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. *Chemico-Biological Interactions*, **2007**, 165, 87-98 5 33
- 189 Addition Reaction of p-Methoxyphenyltellurium Trichloride to 3-Hydroxy Alkynes. *Organometallics*, **1999**, 18, 803-806 3.8 33
- 188 Synthesis of natural polyacetylenes bearing furan rings. *Journal of Natural Products*, **2009**, 72, 857-60 4.9 32
- 187 Diphenyl diselenide improves scopolamine-induced memory impairment in mice. *Behavioural Pharmacology*, **2010**, 21, 556-62 2.4 32
- 186 Diethyl 2-phenyl-2 tellurophenyl vinylphosphonate: an organotellurium compound with low toxicity. *Toxicology*, **2006**, 224, 100-7 4.4 32
- 185 Involvement of the serotonergic system in the anxiolytic-like effect caused by m-trifluoromethyl-diphenyl diselenide in mice. *Behavioural Brain Research*, **2009**, 205, 511-7 3.4 31
- 184 Cadmium inhibits delta-aminolevulinatase from rat lung in vitro: interaction with chelating and antioxidant agents. *Chemico-Biological Interactions*, **2007**, 165, 127-37 5 31
- 183 Indium(I) iodide-mediated chemo-, regio-, and stereoselective hydroselenation of 2-alkyn-1-ol derivatives. *Tetrahedron Letters*, **2002**, 43, 7921-7923 2 31
- 182 Stereospecific Formation of Chalcogenoenynes via Palladium Catalysed Cross-Coupling Reaction of Bromovinyllic Chalcogenides. *Synthesis*, **1998**, 1998, 39-41 2.9 31
- 181 K<sub>2</sub>CO<sub>3</sub>-mediated, direct C-H bond selenation and thiolation of 1,3,4-oxadiazoles in the absence of metal catalyst: an eco-friendly approach. *RSC Advances*, **2014**, 4, 51648-51652 3.7 30
- 180 Changes in biochemical parameters in rabbits blood after oral exposure to diphenyl diselenide for long periods. *Chemico-Biological Interactions*, **2006**, 162, 1-10 5 30

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| 179 | The facile synthesis of chiral oxazoline catalysts for the diethylzinc addition to aldehydes. <i>Tetrahedron: Asymmetry</i> , <b>2003</b> , 14, 3291-3295  |      | 30 |
| 178 | Carbon-Sulfur bond formation from 2-halochalcogenophenes via copper catalyzed thiol cross-coupling. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 2647-2651   | 2    | 30 |
| 177 | Synthesis of Chalcogenophenes via Cyclization of 1,3-Diynes Promoted by Iron(III) Chloride and Dialkyl Dichalcogenides. <i>Advanced Synthesis and Catalysis</i> , <b>2015</b> , 357, 1221-1228   | 5.6  | 29 |
| 176 | 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> , <b>2015</b> , 71, 119-23                             | 4    | 29 |
| 175 | Iron(III) Chloride/Diorganyl Diselenides Promoted Regio- and Stereoselective Cyclization of ortho-Alkynylanilides: Synthesis of (Z)-4-(chalcogen)methylenebenzoxazines. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 501-508 | 5.6  | 29 |
| 174 | Regioselective formation of tetrahydroselenophenes via 5-exo-dig-cyclization of 1-butylseleno-4-alkynes. <i>Organic Letters</i> , <b>2012</b> , 14, 6072-5   | 6.2  | 28 |
| 173 | Copper(II)-Mediated Intramolecular Cyclization of (Z)-Chalcogenoenynes: Synthesis of 3-Halochalcogenophene Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 6713-6718   | 3.2  | 28 |
| 172 | Protective effect of disubstituted diaryl diselenides on cerebral oxidative damage caused by sodium nitroprusside. <i>Biochemical Engineering Journal</i> , <b>2009</b> , 45, 94-99  | 4.2  | 28 |
| 171 | Regio- and stereoselective synthesis of vinyl sulfides via PhSeBr-catalyzed hydrothiolation of alkynes. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 4805-4808   | 2    | 28 |
| 170 | Synthesis of 3-Alkynylselenophene Derivatives by a Copper-Free Sonogashira Cross-Coupling Reaction. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 377-382   | 3.2  | 27 |
| 169 | Antifungal activities of diphenyl diselenide and ebselen alone and in combination with antifungal agents against <i>Fusarium</i> spp. <i>Medical Mycology</i> , <b>2016</b> , 54, 550-5  | 3.9  | 26 |
| 168 | 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> , <b>2014</b> , 46, 1187-95                          | 3.5  | 26 |
| 167 | The potential antioxidant activity of 2,3-dihydroselenophene, a prototype drug of 4-aryl-2,3-dihydroselenophenes. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 1418-25  | 3.4  | 26 |
| 166 | Copper-Catalyzed Carbon-Nitrogen/Carbon-Selenium Bonds Formation: Synthesis of 2-(Organochalcogenyl)-indolizines. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 1901-1911   | 5.6  | 25 |
| 165 | A decade of advances in the reaction of nitrogen sources and alkynes for the synthesis of triazoles. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 409, 213217   | 23.2 | 25 |
| 164 | Cyclization of homopropargyl chalcogenides by copper(II) salts: selective synthesis of 2,3-dihydroselenophenes, 3-arylselenophenes, and 3-haloselenophenes/thiophenes. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 13059-64    | 4.8  | 25 |
| 163 | Synthesis of Cross-Conjugated Geminal Eneidyne via Palladium Catalyzed Cross-Coupling Reaction of Ketene Butyltelluroacetals. <i>Synlett</i> , <b>2002</b> , 2002, 0975-0977   | 2.2  | 25 |
| 162 | A novel isoquinoline compound abolishes chronic unpredictable mild stress-induced depressive-like behavior in mice. <i>Behavioural Brain Research</i> , <b>2016</b> , 307, 73-83   | 3.4  | 25 |

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| 161 | 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> , <b>2010</b> , 21, 621-6                            | 2.4 | 24 |
| 160 | Diphenyl ditelluride- and methylmercury-induced hyperphosphorylation of the high molecular weight neurofilament subunit is prevented by organoselenium compounds in cerebral cortex of young rats. <i>Toxicology</i> , <b>2006</b> , 222, 143-53                                | 4.4 | 24 |
| 159 | Stereoselective Synthesis of (Z)-Enynes via Pd(II)/Cu(I)-Catalyzed Cross-Coupling Reaction of bis-Vinyl Tellurides with 1-Alkynes. <i>Synlett</i> , <b>2001</b> , 2001, 1473-1475   | 2.2 | 24 |
| 158 | Electrophilic Cyclization Involving Carbon-Selenium/Carbon-Halide Bond Formation: Synthesis of 3-Substituted Selenophenes. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 6706-6718  | 4.2 | 24 |
| 157 | Nucleophilic Cyclization of $\alpha$ -Alkynylbenzamides Promoted by Iron(III) Chloride and Diorganyl Dichalcogenides: Synthesis of 4-Organochalcogenyl-1H-isochromen-1-imines. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 1583-1590                     | 3.2 | 23 |
| 156 | Alkynes and Nitrogen Compounds: Useful Substrates for the Synthesis of Pyrazoles. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 8175-8189   | 4.8 | 23 |
| 155 | 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> , <b>2012</b> , 18, 10602-8  | 4.8 | 23 |
| 154 | Iron(III) Chloride/Diorganyl Diselenides-Promoted Regioselective Cyclization of Alkynyl Aryl Ketones: Synthesis of 3-Organoselenyl Chromenones under Ambient Atmosphere. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 2042-2050                                 | 5.6 | 23 |
| 153 | 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> , <b>2009</b> , 25, 415-24 | 7.4 | 23 |
| 152 | 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> , <b>2009</b> , 23, 14-20                           | 3.6 | 23 |
| 151 | Hypolipidaemic activity of orally administered diphenyl diselenide in Triton WR-1339-induced hyperlipidaemia in mice. <i>Journal of Pharmacy and Pharmacology</i> , <b>2010</b> , 61, 1673-1679   | 4.8 | 23 |
| 150 | Stereoselective preparation of conjugated E-enynes from E-vinyl tellurides and terminal alkynes via Sonogashira cross-coupling. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 803-5  | 3.9 | 23 |
| 149 | Stereospecific formation of enynephosphonates via palladium-catalyzed cross-coupling reaction of $\beta$ -organotelluro vinylphosphonates with alkynes. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 8563-8565  | 2   | 23 |
| 148 | Inhibitory effect of ebselen on cerebral acetylcholinesterase activity in vitro: kinetics and reversibility of inhibition. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 920-4   | 3.3 | 23 |
| 147 | (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> , <b>2016</b> , 14, 10415-10426  | 3.9 | 22 |
| 146 | Diphenyl diselenide-supplemented diet and swimming exercise enhance novel object recognition memory in old rats. <i>Age</i> , <b>2014</b> , 36, 9666  |     | 22 |
| 145 | Diphenyl diselenide in vitro and in vivo activity against the oomycete <i>Pythium insidiosum</i> . <i>Veterinary Microbiology</i> , <b>2012</b> , 156, 222-6  | 3.3 | 22 |
| 144 | 2,2'-Dithienyl diselenide, an organoselenium compound, elicits antioxidant action and inhibits monoamine oxidase activity in vitro. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 677-84  | 5.6 | 22 |



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|-----|--|-----|----|
| 143 | Highly Stereoselective One-Pot Procedure to Prepare Unsymmetrical Bis- and Tris-chalcogenide Alkenes via Addition of Chalcogens to Alkynes. <i>Organometallics</i> , <b>2007</b> , 26, 4252-4256   | 3.8 | 22 |
| 142 | Ebselen and diphenyl diselenide do not change the inhibitory effect of lead acetate on delta-aminolevulinatase. <i>Environmental Toxicology and Pharmacology</i> , <b>2005</b> , 19, 239-48  | 5.8 | 22 |
| 141 | Palladium-catalyzed cross-coupling of 2-haloselenophene with terminal alkynes in the absence of additive. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 2179-2182   | 2   | 22 |
| 140 | Delta-aminolevulinatase inhibition by phenyl selenoacetylene: effect of reaction with hydrogen peroxide. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2002</b> , 90, 214-9   |     | 22 |
| 139 | Expedient Iodocyclization Approach Toward Polysubstituted 3H-Benzo[e]indoles. <i>Advanced Synthesis and Catalysis</i> , <b>2015</b> , 357, 3255-3261   | 5.6 | 21 |
| 138 | The antidepressant-like action of a simple selenium-containing molecule, methyl phenyl selenide, in mice. <i>European Journal of Pharmacology</i> , <b>2012</b> , 690, 119-23  | 5.3 | 21 |
| 137 | Synthesis of Fused 4-Iodoselenophene[2,3-b]thiophenes by Electrophilic Cyclization of 3-Alkynylthiophenes. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 705-710  | 3.2 | 21 |
| 136 | Synthesis of polyacetylenic acids isolated from <i>Nanodea muscosa</i> . <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 8761-8764  |     | 21 |
| 135 | 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> , <b>2016</b> , 82, 1-7                                 | 4.5 | 20 |
| 134 | Potassium tert-butoxide promoted annulation of 2-alkynylphenyl propargyl ethers: selective synthesis of benzofuran and 12H-benzoannulene derivatives. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 11017-31   | 4.2 | 20 |
| 133 | In vitro metabolism of diphenyl diselenide in rat liver fractions. Conjugation with GSH and binding to thiol groups. <i>Chemico-Biological Interactions</i> , <b>2012</b> , 200, 65-72   | 5   | 20 |
| 132 | Diphenyl diselenide-induced seizures in rat pups: possible interaction with glutamatergic system. <i>Neurochemical Research</i> , <b>2008</b> , 33, 996-1004   | 4.6 | 20 |
| 131 | Diphenyl diselenide and 2,3-dimercaptopropanol increase the PTZ-induced chemical seizure and mortality in mice. <i>Brain Research Bulletin</i> , <b>2006</b> , 68, 414-8   | 3.9 | 20 |
| 130 | Exposure of mothers to diphenyl ditelluride during the suckling period changes behavioral tendencies in their offspring. <i>Brain Research Bulletin</i> , <b>2006</b> , 69, 311-7  | 3.9 | 20 |
| 129 | Iron(III) Chloride and Diorganyl Diselenide-Promoted Nucleophilic Closures of 1-Benzyl-2-alkynylbenzenes in the Preparation of 9-(Organoselanyl)-5H-benzo[7]annulenes. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 1119-1129                    | 5.6 | 20 |
| 128 | Iron(III)-Promoted Synthesis of 3-(Organoselanyl)-1,2-Dihydroquinolines from Diorganyl Diselenides and N-Arylpropargylamines by Sequential Carbon-Carbon and Carbon-Selenium Bond Formation. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 96-104 | 5.6 | 20 |
| 127 | Diorganyl Dichalcogenides-Promoted Nucleophilic Closure of 1,4-Diyn-3-ols: Synthesis of 2-Benzoyl Chalcogenophenes. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 12470-81   | 4.2 | 19 |
| 126 | An organoselenium compound improves behavioral, endocrinal and neurochemical changes induced by corticosterone in mice. <i>Psychopharmacology</i> , <b>2014</b> , 231, 2119-30   | 4.7 | 19 |

|     |  |     |    |
|-----|--|-----|----|
| 125 | Effects of diphenyl diselenide on depressive-like behavior in ovariectomized mice submitted to subchronic stress: involvement of the serotonergic system. <i>Psychopharmacology</i> , <b>2012</b> , 222, 709-19                                  | 4.7 | 19 |
| 124 | Spinal mechanisms of antinociceptive action caused by diphenyl diselenide. <i>Brain Research</i> , <b>2007</b> , 1162, 32-7  | 3.7 | 19 |
| 123 | Antioxidants and metallothionein levels in mercury-treated mice. <i>Cell Biology and Toxicology</i> , <b>2006</b> , 22, 429-38   | 7.4 | 19 |
| 122 | Teratogenic effects of diphenyl diselenide in Wistar rats. <i>Reproductive Toxicology</i> , <b>2005</b> , 20, 561-8  | 3.4 | 19 |
| 121 | Synthesis of 3-(Organochalcogen) Chalcogenazolo Indoles via Cascade Cyclization of N-Alkynylindoles. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 2891-2900   | 4.2 | 18 |
| 120 | Ebselen inhibits the activity of acetylcholinesterase globular isoform G4 in vitro and attenuates scopolamine-induced amnesia in mice. <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 5598-5608                                    | 4.7 | 18 |
| 119 | Convulsant action of diphenyl diselenide in rat pups: measurement and correlation with plasma, liver and brain levels of compound. <i>Archives of Toxicology</i> , <b>2010</b> , 84, 373-8   | 5.8 | 18 |
| 118 | 3-Iodoselenophene derivatives: a versatile substrate for Negishi cross-coupling reaction. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 538-542   | 2   | 18 |
| 117 | Effect of ebselen and organochalcogenides on excitotoxicity induced by glutamate in isolated chick retina. <i>Brain Research</i> , <b>2005</b> , 1039, 146-52  | 3.7 | 18 |
| 116 | 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> , <b>2015</b> , 149, 294-302                     | 3.5 | 17 |
| 115 | Synthesis of pharmacologically active 1-amino-isoquinolines prepared via silver triflate-catalyzed cyclization of o-alkynylbenzaloximes with isocyanates. <i>European Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 51, 196-203         | 5.1 | 17 |
| 114 | Screening of potentially toxic chalcogens in erythrocytes. <i>Toxicology in Vitro</i> , <b>2007</b> , 21, 139-45   | 3.6 | 17 |
| 113 | Stereospecific synthesis of phosphono-(1Z,3E)-dienyl compounds from Ephenyltelluro-vinylphosphonates and -vinylphosphine oxides. <i>Journal of Organometallic Chemistry</i> , <b>2003</b> , 682, 35-40   | 2.3 | 17 |
| 112 | Transition Metal-Catalyzed and Metal-Free Cyclization Reactions of Alkynes with Nitrogen-Containing Substrates: Synthesis of Pyrrole Derivatives. <i>ChemCatChem</i> , <b>2020</b> , 12, 3335-3408   | 5.2 | 16 |
| 111 | Physicochemical and biochemical profiling of diphenyl diselenide. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 169, 885-93  | 3.2 | 16 |
| 110 | Synthesis of 3-Organoseleno-Substituted Quinolines through Cyclization of 2-[Amino]phenylprop-1-yn-3-ols Promoted by Iron(III) Chloride with Diorganyl Diselenides. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 5640-5648 | 3.2 | 16 |
| 109 | Cerium(III)-Mediated Efficient and Stereoselective Hydrochalcogenation of Terminal Alkynes. <i>Synthesis</i> , <b>2009</b> , 2009, 4015-4021   | 2.9 | 16 |
| 108 | m-Trifluoromethyl-diphenyl diselenide attenuates pentylenetetrazole-induced seizures in mice by inhibiting GABA uptake in cerebral cortex slices. <i>Pharmacological Reports</i> , <b>2009</b> , 61, 1127-33                                     | 3.9 | 16 |

|     |  |     |    |
|-----|--|-----|----|
| 107 | Hypolipidaemic activity of orally administered diphenyl diselenide in Triton WR-1339-induced hyperlipidaemia in mice. <i>Journal of Pharmacy and Pharmacology</i> , <b>2009</b> , 61, 1673-9   | 4.8 | 16 |
| 106 | Iodine-mediated regioselective 5-endo-dig electrophilic cyclization reaction of selenoenynes: synthesis of selenophene derivatives. <i>Organic Chemistry Frontiers</i> , <b>2017</b> , 4, 277-282  | 5.2 | 15 |
| 105 | Effectiveness of (PhSe) <sub>2</sub> in protect against the HgCl <sub>2</sub> toxicity. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2015</b> , 29, 255-62  | 4.1 | 15 |
| 104 | Synthesis of 2-Acylselenophenes via Iodine-Promoted Nucleophilic Cyclization of [2-(Butylselanyl)phenyl]-propynols. <i>Advanced Synthesis and Catalysis</i> , <b>2015</b> , 357, 3655-3665   | 5.6 | 15 |
| 103 | Selective base-promoted synthesis of substituted selenophenes by carbocyclization of (Z)-benzylselenoenynes. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 1529-37  | 3.9 | 15 |
| 102 | Csp <sup>3</sup> -tellurium copper cross-coupling: synthesis of alkynyl tellurides a novel class of antidepressive-like compounds. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 909-915  | 2   | 15 |
| 101 | Ten years of progress in the synthesis of six-membered N-heterocycles from alkynes and nitrogen sources. <i>Tetrahedron</i> , <b>2020</b> , 76, 130876   | 2.4 | 15 |
| 100 | Copper/Palladium-Catalyzed Cyclization/Cross-Coupling Cascade Reaction of 2-gem-Dibromovinyl Aryl Selenides: Synthesis of 2-Substituted Benzo[b]selenophenes. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 4208-4216         | 5.6 | 14 |
| 99  | In vitro activity of diphenyl diselenide and ebselen alone and in combination with antifungal agents against <i>Trichosporon asahii</i> . <i>Mycoses</i> , <b>2019</b> , 62, 428-433   | 5.2 | 14 |
| 98  | FeCl <sub>3</sub> -diorganyl dichalcogenides promoted cyclization of 2-organochalcogen-3-alkynylthiophenes: synthesis of chalcogenophene[2,3-b]thiophenes. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 2972-8              | 3.9 | 14 |
| 97  | Application of FeCl <sub>3</sub> /Diorganyl Diselenides to Cyclization of o-Alkynyl Anilines: Synthesis of 3-Organoselenyl-(N-methyl)indoles. <i>Synlett</i> , <b>2013</b> , 24, 1125-1132   | 2.2 | 14 |
| 96  | Effects of diphenyl diselenide on lipid profile and hepatic oxidative stress parameters in ovariectomized female rats. <i>Journal of Pharmacy and Pharmacology</i> , <b>2011</b> , 63, 663-9   | 4.8 | 14 |
| 95  | Total synthesis of 1-(Z)-atractylodiol. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 8183-8185   | 2   | 14 |
| 94  | Palladium(II) chloride catalyzes the cross-coupling reaction of 2,5-bis-(butyltelluro)-furan and 1-alkynes. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 1387-1390   | 2   | 14 |
| 93  | Molecular effects of diphenyl diselenide on cholesterol and glucose cell metabolism. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 4426-34  | 4.3 | 14 |
| 92  | Iron(III) Chloride/Dialkyl Diselenides-Promoted Cascade Cyclization of ortho-Diynyl Benzyl Chalcogenides. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 1866-1873   | 5.6 | 14 |
| 91  | p,p'-Methoxyl-diphenyl diselenide elicits an antidepressant-like effect in mice without discontinuation anxiety phenotype. <i>Pharmacology Biochemistry and Behavior</i> , <b>2017</b> , 154, 31-38  | 3.9 | 13 |
| 90  | 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> , <b>2017</b> , 89, 457-467 | 1.4 | 13 |

- 89 Pain-depression dyad induced by reserpine is relieved by p,p'-methoxyl-diphenyl diselenide in rats. *European Journal of Pharmacology*, **2016**, 791, 794-802 5.3 13
- 88 Synthesis of pyridazinones through the copper(I)-catalyzed multicomponent reaction of aldehydes, hydrazines, and alkynylesters. *Chemistry - A European Journal*, **2014**, 20, 12663-8 4.8 13
- 87 Diphenyl diselenide changes behavior in female pups. *Neurotoxicology and Teratology*, **2006**, 28, 607-16 3.9 13
- 86 Assessment of reproductive toxicity in male rats following acute and sub-chronic exposures to diphenyl diselenide and diphenyl ditelluride. *Food and Chemical Toxicology*, **2006**, 44, 662-9 4.7 13
- 85 Enantioselective allylation of aldehydes promoted by chiral sulfur reagents. *Tetrahedron Letters*, **2006**, 47, 1829-1831 2 13
- 84 DMPS and N-acetylcysteine induced renal toxicity in mice exposed to mercury. *BioMetals*, **2006**, 19, 389-94 3.8 13
- 83 2,5-Bis-(butyltelluro) thiophene as a convenient precursor for the synthesis of 2,5-bis-(acetylenic) thiophenes. *Tetrahedron Letters*, **2003**, 44, 685-688 2 13
- 82 Hydrotelluration of aminoalkynes. *Chemical Communications*, **2003**, 1258-1259 5.8 13
- 81 Selective inhibition of MAO-A activity results in an antidepressant-like action of 2-benzoyl 4-iodoselenophene in mice. *Physiology and Behavior*, **2017**, 170, 100-105 3.5 12
- 80 Cyclization of Thiopropargyl Benzimidazoles by Combining Iron(III) Chloride and Diorganyl Diselenides. *Journal of Organic Chemistry*, **2019**, 84, 14113-14126 4.2 12
- 79 Electrophilic cyclization of 3-alkynyl-4-chalcogen-2-H-chromenes: synthesis of 3-halo-chalcogenophene[3,2-c]chromene derivatives. *Tetrahedron Letters*, **2011**, 52, 388-391 2 12
- 78 p-Chloro-diphenyl diselenide reverses memory impairment-related to stress caused by corticosterone and modulates hippocampal [(3)H]glutamate uptake in mice. *Physiology and Behavior*, **2016**, 164, 25-33 3.5 12
- 77 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. *European Journal of Pharmacology*, **2016**, 782, 6-13 5.3 12
- 76 Selenium-promoted electrophilic cyclization of arylpropiolamides: synthesis of 3-organoselenyl spiro[4,5]trienones. *Organic and Biomolecular Chemistry*, **2020**, 18, 3544-3551 3.9 12
- 75 Potassium tert-Butoxide-Catalyzed Synthesis of Benzofuroazepines via Cyclization of (2-Alkynylbenzyl)oxy Nitriles. *Journal of Organic Chemistry*, **2015**, 80, 10278-87 4.2 11
- 74 Caffeine and diphenyl diselenide improve long-term memory impaired in middle-aged rats. *Experimental Gerontology*, **2014**, 53, 67-73 4.5 11
- 73 Disubstituted diaryl diselenides inhibit delta-ALA-D and Na<sup>+</sup>, K<sup>+</sup>-ATPase activities in rat brain homogenates in vitro. *Molecular and Cellular Biochemistry*, **2009**, 332, 17-24 4.2 11
- 72 Diphenyl diselenide ameliorates cognitive deficits induced by a model of menopause in rats. *Behavioural Pharmacology*, **2012**, 23, 98-104 2.4 11

|    |  |     |    |
|----|--|-----|----|
| 71 | New Simple Chiral Phosphine Oxazolidine Ligands: Easy Synthesis and Application in the Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Synlett</i> , <b>2005</b> , 2005, 1331-1333   | 2.2 | 11 |
| 70 | 4-Organoseleno-Isoquinolines Selectively and Reversibly Inhibit the Cerebral Monoamine Oxidase B Activity. <i>Journal of Molecular Neuroscience</i> , <b>2016</b> , 59, 135-45   | 3.3 | 11 |
| 69 | Synthesis of indoles from alkynes and a nitrogen source under metal-free conditions. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 4906-4915   | 3.9 | 10 |
| 68 | The impact of a diphenyl diselenide-supplemented diet and aerobic exercise on memory of middle-aged rats. <i>Physiology and Behavior</i> , <b>2014</b> , 135, 125-9  | 3.5 | 10 |
| 67 | Neuroprotective Benefits of Aerobic Exercise and Organoselenium Dietary Supplementation in Hippocampus of Old Rats. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 3832-3840  | 6.2 | 10 |
| 66 | Chalcogenoalkynes: Precursors for the Regioselective Preparation of 2-Chalcogeno-1-halonaphthalenes through [4+2] Cycloaddition. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 4574-4579  | 3.2 | 10 |
| 65 | Three-Step One-Pot Synthesis of Imidazo[2,1-b]chalcogenazoles via Intramolecular Cyclization of N-Alkynylimidazoles. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 1791-1796  | 5.6 | 10 |
| 64 | A New Cysteine-Derived Ligand as Catalyst for the Addition of Diethylzinc to Aldehydes: The Importance of a Free Sulfide Site for Enantioselectivity. <i>Synthesis</i> , <b>2005</b> , 2005, 588-594   | 2.9 | 10 |
| 63 | m-Trifluoromethyl-diphenyl diselenide (m-CF-PhSe) 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> , <b>2020</b> , 98, 109803 | 5.5 | 10 |
| 62 | Synthesis of Hydroxy-Alkyl/aryl-Organo-selenium and Organo-tellurium: a new class of organochalcogen compounds with antinociceptive activity. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 3252-3256   | 2   | 9  |
| 61 | Ethanol inhibits Aminolevulinate dehydratase and glutathione peroxidase activities in mice liver: Protective effects of ebselen and N-acetylcysteine. <i>Environmental Toxicology and Pharmacology</i> , <b>2006</b> , 21, 338-43  | 5.8 | 9  |
| 60 | Study Toward the Synthesis of Selenofurans via Seleno-Claisen Rearrangement of Allyl Arylselenides. <i>Synthetic Communications</i> , <b>2003</b> , 33, 2161-2166  | 1.7 | 9  |
| 59 | Iron-Mediated Cyclization of 1,3-Diynyl Propargyl Aryl Ethers with Dibutyl Diselenide: Synthesis of Selenophene-Fused Chromenes. <i>Advanced Synthesis and Catalysis</i> , <b>2020</b> , 362, 1096-1105  | 5.6 | 9  |
| 58 | Diorganyl Diselenides and Iron(III) Chloride Drive the Regio- and Stereoselectivity in the Selenation of Ynamides. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 980-994   | 4.2 | 9  |
| 57 | 7-Fluoro-1,3-diphenylisoquinoline reverses motor and non-motor symptoms induced by MPTP in mice: Role of striatal neuroinflammation. <i>European Journal of Pharmacology</i> , <b>2018</b> , 819, 129-135  | 5.3 | 9  |
| 56 | Involvement of the serotonergic system in the anxiolytic-like effect of 2-phenylethynyl butyltellurium in mice. <i>Behavioural Brain Research</i> , <b>2015</b> , 277, 221-7   | 3.4 | 8  |
| 55 | Caffeine suppresses exercise-enhanced long-term and location memory in middle-aged rats: Involvement of hippocampal Akt and CREB signaling. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 223, 95-101   | 5   | 8  |
| 54 | ERK1/2 phosphorylation is involved in the antidepressant-like action of 2,5-diphenyl-3-(4-fluorophenylseleno)-selenophene in mice. <i>European Journal of Pharmacology</i> , <b>2014</b> , 736, 44-54  | 5.3 | 8  |

|    |  |     |   |
|----|--|-----|---|
| 53 | Brain-derived neurotrophic factor signaling plays a role in resilience to stress promoted by isoquinoline in defeated mice. <i>Journal of Psychiatric Research</i> , <b>2017</b> , 94, 78-87   | 5.2 | 8 |
| 52 | Synthesis and Reactivity of 3-Alkynyldihydroselephenone Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 5601-5606  | 3.2 | 8 |
| 51 | Palladium-Catalyzed Carbonylation of 2-Haloselenophenes: Synthesis of Selenophene-2-carboxamides, Selenophene-2,5-dicarboxamides and N,N'-Bridged Selenophene-2-carboxamides. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 5422-5428 | 3.2 | 8 |
| 50 | Repeated administration of diphenyl diselenide to pregnant rats induces adverse effects on embryonic/fetal development. <i>Reproductive Toxicology</i> , <b>2007</b> , 23, 175-81  | 3.4 | 8 |
| 49 | Mechanism of delta-aminolevulinatase inhibition by phenyl selenoacetylene involves its conversion to diphenyl diselenide. <i>Toxicology</i> , <b>2005</b> , 206, 403-11  | 4.4 | 8 |
| 48 | Antimicrobial Effect of 2-Phenylethynyl-Butyltellurium in and Its Association with Oxidative Stress. <i>Journal of Microbiology and Biotechnology</i> , <b>2018</b> , 28, 1209-1216  | 3.3 | 8 |
| 47 | 7-Fluoro-1,3-diphenylisoquinoline-1-amine reverses the reduction in self-care behavior induced by maternal separation stress in rats by modulating glutamatergic/GABAergic systems. <i>Journal of Psychiatric Research</i> , <b>2017</b> , 89, 28-37       | 5.2 | 7 |
| 46 | Electrophilic Cyclization of N-Alkynyl-2-(organochalcogen)imidazoles: An Alternative Access to Imidazo[2,1-b]chalcogenazoles. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 2646-2652   | 3.2 | 7 |
| 45 | Cognitive effects of diphenyl diselenide and estradiol treatments in ovariectomized mice. <i>Neurobiology of Learning and Memory</i> , <b>2013</b> , 99, 17-24   | 3.1 | 7 |
| 44 | Vinyl Selenides <b>2011</b> ,  |     | 7 |
| 43 | Dimethyl sulfoxide and ebselen prevent convulsions induced by 5-aminolevulinic acid. <i>Neurochemical Research</i> , <b>2004</b> , 29, 1793-800  | 4.6 | 7 |
| 42 | Catalyst-Dependent Selective Synthesis of O/S- and S/S-Acetals from Enol Ethers. <i>Synthetic Communications</i> , <b>1995</b> , 25, 3155-3162   | 1.7 | 7 |
| 41 | Synthesis of 3-Substituted Chalcogenophene-Fused Indoles from 2-Alkynylindoles. <i>Advanced Synthesis and Catalysis</i> , <b>2020</b> , 362, 585-593   | 5.6 | 7 |
| 40 | Base-mediated intramolecular cyclization of (2-propargyl ether) arylimines: an approach to 3-amino-benzofurans. <i>Tetrahedron</i> , <b>2014</b> , 70, 3751-3756   | 2.4 | 6 |
| 39 | Copper-Catalyzed Cross-Coupling of Thiols with 1-Iodo-2-chalcogenoalkenes. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 4460-4465  | 3.2 | 6 |
| 38 | A Convenient Preparation of Chalcogenoenynes from $\beta$ -Bromovinyl Ketene Chalcogenoacetals. <i>Synlett</i> , <b>2003</b> , 2003, 1880-1882   | 2.2 | 6 |
| 37 | Methyl phenyl selenide causes heme biosynthesis impairment and its toxicity is not modified by dimethyl sulphoxide in vivo. <i>Drug and Chemical Toxicology</i> , <b>2004</b> , 27, 331-40   | 2.3 | 6 |
| 36 | Diphenyl diselenide and its interaction with antifungals against <i>Aspergillus</i> spp. <i>Medical Mycology</i> , <b>2020</b> ,   | 3.9 | 6 |

|    |   |     |   |
|----|---|-----|---|
| 35 | Adult male rats sub-chronically exposed to diphenyl diselenide: Effects on their progeny. <i>Reproductive Toxicology</i> , <b>2007</b> , 23, 119-23   | 3-4 | 5 |
| 34 | Palladium-Catalyzed Negishi Cross-Coupling of Arylzinc Reagents with Functionalized Vinylic Tellurides. <i>Synlett</i> , <b>2006</b> , 2006, 1035-1038  | 2-2 | 5 |
| 33 | Recent Developments in the Cyclization of Alkynes and Nitrogen Compounds for the Synthesis of Indole Derivatives. <i>Asian Journal of Organic Chemistry</i> , <b>2021</b> , 10, 1282-1318   | 3   | 5 |
| 32 | Synthesis and anticholinesterase activity of 2-substituted-N-alkynylindoles. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 7926-7934  | 3-9 | 5 |
| 31 | Dopaminergic system contribution to the antidepressant-like effect of 3-phenyl-4-(phenylseleno) isoquinoline in mice. <i>Behavioural Brain Research</i> , <b>2020</b> , 386, 112602   | 3-4 | 4 |
| 30 | Synthesis of Naphthofurans by tBuOK-Catalyzed Intramolecular Anionic Cycloaddition of Unsymmetrical Bis-propargyl Ethers. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 6924-6931  | 3-2 | 4 |
| 29 | Antioxidant activity and low toxicity of (E)-1-(1-(methylthio)-1-(selenophenyl) hept-1-en-2-yl) pyrrolidin-2-one. <i>Cell Biology and Toxicology</i> , <b>2012</b> , 28, 213-23   | 7-4 | 4 |
| 28 | The role of the glutathione system in seizures induced by diphenyl diselenide in rat pups. <i>Chemico-Biological Interactions</i> , <b>2011</b> , 193, 65-70  | 5   | 4 |
| 27 | Synthesis of 3-aryl-4-chalcogen-2H-benzopyrans from 3-iodo-4-chalcogen-2H-benzopyrans using a Suzuki cross-coupling. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 5326-5328   | 2   | 4 |
| 26 | Diphenyl ditelluride effect on embryo/fetal development in mice: interspecies differences. <i>Toxicology</i> , <b>2007</b> , 231, 243-9   | 4-4 | 4 |
| 25 | Study of the Regioselectivity in the Hydrotelluration of Hydroxy Alkynes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2001</b> , 172, 167-172   | 1   | 4 |
| 24 | Pattern differences between newborn and adult rats in cisplatin-induced hepatorenal toxicity. <i>Chemico-Biological Interactions</i> , <b>2018</b> , 294, 65-73   | 5   | 3 |
| 23 | Vinylic Tellurides <b>2011</b> ,  |     | 3 |
| 22 | Palladium catalyzed Suzuki cross-coupling of 3-iodo-2-(methylthio)-benzo[b]furan derivatives: synthesis of 3-aryl-2-(methylthio)benzo[b]furans. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 1635-1641 <sup>3</sup>                         |     |   |
| 21 | Diphenyl diselenide-induced seizures in rat pups: possible interaction with GABAergic system. <i>Neurological Research</i> , <b>2010</b> , 32, 1002-8   | 2-7 | 3 |
| 20 | Development of a nanotechnological-based hydrogel containing a novel benzofuroazepine compound in association with vitamin E: An in vitro biological safety and photoprotective hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 199, 111555 | 6   | 3 |
| 19 | 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> , <b>2016</b> , 18, 6648-6658  | 10  | 3 |
| 18 | Synthesis of Selenochromenes via Dehydration of Arylalkynols Promoted by Iron(III) Chloride and Diorganyl Diselenides. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 7349-7357  | 4-2 | 2 |

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|----|---|-----|---|
| 17 | Addition of butoxycarbonyl group to phenylalanine derived chalcogenide increases the toxic potential: importance of non-bonding nitrogen interaction. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 207, 24-5                            | 5   | 2 |
| 16 | An in vivo insight to the toxicological profile of various organotellurides. <i>Environmental Toxicology and Pharmacology</i> , <b>2013</b> , 36, 813-8   | 5.8 | 2 |
| 15 | Sulfhydryl-Based Inhibition of $\alpha$ -ALA-D and Na <sup>+</sup> , K <sup>+</sup> -ATPase Activities Depends on the Organoselenium Group Bonded to the Isoquinoline. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 1144-1150     | 4.7 | 2 |
| 14 | Phenylethynyl-butyltellurium inhibits the sulfhydryl enzyme Na <sup>+</sup> , K <sup>+</sup> -ATPase: an effect dependent on the tellurium atom. <i>Biological Trace Element Research</i> , <b>2013</b> , 155, 261-6                              | 4.5 | 2 |
| 13 | PhSeBr-catalyzed selective addition of thiols to $\alpha$ -unsaturated carbonyl compounds: regioselective synthesis of thioacetals vs. $\alpha$ -mercapto ketones. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 2088-2092 | 1.5 | 2 |
| 12 | 3-Iodo-4-chalcogen-2H-benzopyran as a convenient precursor for the sonogashira cross-coupling: synthesis of 3-alkynyl-4-chalcogen-2H-benzopyrans. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 36-39  | 2   | 2 |
| 11 | Acetaldehyde does not inhibit glutathione peroxidase and glutathione reductase from mouse liver in vitro. <i>Chemico-Biological Interactions</i> , <b>2006</b> , 159, 196-204   | 5   | 2 |
| 10 | Potassium tert-Butoxide-Catalyzed Synthesis of $\alpha$ -Methylene- $\beta$ -Lactams from Propiolamides. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 2180-2187   | 3.2 | 2 |
| 9  | Transition Metal-Free Synthesis of Carbo- and Heterocycles via Reaction of Alkynes with Organylchalcogenides. <i>Chemical Record</i> , <b>2021</b> , 21, 2880-2895  | 6.6 | 2 |
| 8  | Frontispiece: Alkynes and Nitrogen Compounds: Useful Substrates for the Synthesis of Pyrazoles. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26,   | 4.8 | 1 |
| 7  | Cooperative action between Iron(III) chloride and diorganyl dichalcogenides for the cyclization of N-(ortho-Alkynyl)aryl-pyrroles. <i>Tetrahedron</i> , <b>2021</b> , 90, 132188  | 2.4 | 1 |
| 6  | Diphenyl diselenide alone and in combination with itraconazole against <i>Sporothrix schenckii</i> s.str. and <i>Sporothrix globosa</i> . <i>Brazilian Journal of Microbiology</i> , <b>2021</b> , 52, 1271-1274                                  | 2.2 | 0 |
| 5  | Synergism of Nikkomycin Z in Combination with Diphenyl Diselenide Against <i>Sporothrix</i> spp. <i>Current Microbiology</i> , <b>2021</b> , 78, 2905-2909  | 2.4 | 0 |
| 4  | Stereoselective Synthesis of Z-Vinyl Selenides Through the Reaction of Sodium Selenide with Organic Halides and Alkynes. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 3794-3798   | 3.2 |   |
| 3  | Formation of Alkenes by Metal-promoted Coupling Reactions <b>2018</b> , 1-73  |     |   |
| 2  | Production and characterization of diphenyl ditelluride-loaded nanocapsules: validation using an analytical method. <i>Analytical Methods</i> , <b>2015</b> , 7, 10409-10413  | 3.2 |   |
| 1  | 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> , <b>2004</b> , 45, 4823-4823   | 2   |   |