Gelson Perin

List of Publications by Year
in descending order

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179 papers	4,836 citations	94269 37 h-index	149479 56 g-index
234 all docs	234 docs citations	234 times ranked	3514 citing authors

#	Article	IF	Citations
1	Synthesis of Vinyl Selenides. Chemical Reviews, 2009, 109, 1277-1301.	23.0	297
2	Î±-Keto Acids: Acylating Agents in Organic Synthesis. Chemical Reviews, 2019, 119, 7113-7278.	23.0	151
3	Citronellal as key compound in organic synthesis. Tetrahedron, 2007, 63, 6671-6712.	1.0	119
4	Glycerol as a recyclable solvent for copper-catalyzed cross-coupling reactions of diaryl diselenides with aryl boronic acids. Green Chemistry, 2012, 14, 1030.	4.6	112
5	Essential oil of the leaves of Eugenia uniflora L.: Antioxidant and antimicrobial properties. Food and Chemical Toxicology, 2012, 50, 2668-2674.	1.8	110
6	Transesterification of castor oil assisted by microwave irradiation. Fuel, 2008, 87, 2838-2841.	3.4	88
7	Synthesis of 1,2-disubstitued benzimidazoles using SiO2/ZnCl2. Tetrahedron Letters, 2009, 50, 1495-1497.	0.7	87
8	Base-free oxidation of thiols to disulfides using selenium ionic liquid. Tetrahedron Letters, 2011, 52, 640-643.	0.7	83
9	Synthesis of Organochalcogen Compounds using Non-Conventional Reaction Media. ChemistrySelect, 2016, 1, 205-258.	0.7	79
10	Glycerin and CeCl3Â·7H2O: a new and efficient recyclable medium for the synthesis of bis(indolyl)methanes. Tetrahedron Letters, 2009, 50, 6060-6063.	0.7	78
11	Catalyst-free synthesis of benzodiazepines and benzimidazoles using glycerol as recyclable solvent. Tetrahedron Letters, 2011, 52, 4132-4136.	0.7	75
12	Room-Temperature Organocatalytic Cycloaddition of Azides with Î²-Keto Sulfones: Toward Sulfonyl-1,2,3-triazoles. Organic Letters, 2015, 17, 6206-6209.	2.4	67
13	Ultrasoundâ€Assisted Synthesis and Antioxidant Activity of 3â€Selanylâ€1â€‰Hâ€indole and 3â€Selanylimidazo[1,2â€a]pyridine Derivatives. Asian Journal of Organic Chemistry, 2017, 6, 1635-1646.	1.3	67
14	Synthesis of bis(indolyl)methanes using ammonium niobium oxalate (ANO) as an efficient and recyclable catalyst. Green Chemistry, 2015, 17, 4334-4339.	4.6	63
15	Synthesis of diaryl selenides using electrophilic selenium species and nucleophilic boron reagents in ionic liquids. Green Chemistry, 2011, 13, 2931.	4.6	61
16	Copperâ€Catalyzed Direct Arylselenation of Anilines by Cï£¿H Bond Cleavage. Advanced Synthesis and Catalysis, 2015, 357, 933-939.	2.1	61
17	Selenonium ionic liquid as efficient catalyst for the Baylisâ€“Hillman reaction. Tetrahedron Letters, 2009, 50, 5215-5217.	0.7	60
18	Sonochemistry: An efficient alternative to the synthesis of 3-selanylindoles using CuI as catalyst. Ultrasonics Sonochemistry, 2015, 27, 192-199.	3.8	60

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19	Selenium- and tellurium-based ionic liquids and their use in the synthesis of octahydroacridines. Tetrahedron Letters, 2006, 47, 7439-7442.	0.7	56
20	Glycerol as a promoting medium for cross-coupling reactions of diaryl diselenides with vinyl bromides. Tetrahedron Letters, 2010, 51, 6772-6775.	0.7	55
21	Green, catalyst-free thioacetalization of carbonyl compounds using glycerol as recyclable solvent. Tetrahedron Letters, 2010, 51, 4354-4356.	0.7	54
22	Ultrasoundâ€Assisted Multicomponent Reactions, Organometallic and Organochalcogen Chemistry. Asian Journal of Organic Chemistry, 2018, 7, 2368-2385.	1.3	54
23	Copper-catalyzed sulfenylation of pyrroles with disulfides or thiols: directly synthesis of sulfenyl pyrroles. Tetrahedron Letters, 2012, 53, 3364-3368.	0.7	51
24	Synthesis, characterization and antioxidant activity of organoselenium and organotellurium compound derivatives of chrysin. New Journal of Chemistry, 2015, 39, 3043-3050.	1.4	50
25	Clean and fast oxidative transformation of thiols to disulfides under solvent-free conditions. Tetrahedron Letters, 2007, 48, 7668-7670.	0.7	49
26	KF/Al2O3 and PEG-400 as a recyclable medium for the selective Î±-selenation of aldehydes and ketones. Preparation of potential antimicrobial agents. Tetrahedron Letters, 2009, 50, 6761-6763.	0.7	49
27	Green synthesis of (â^')-isopulegol from (+)-citronellal: application to essential oil of citronella. Tetrahedron Letters, 2003, 44, 3605-3608.	0.7	48
28	Green Michael addition of thiols to electron deficient alkenes using KF/alumina and recyclable solvent or solvent-free conditions. Journal of the Brazilian Chemical Society, 2009, 20, 93-99.	0.6	48
29	Preparation of bis(2-pyridyl) diselenide derivatives: Synthesis of selenazolo[5,4-b]pyridines and unsymmetrical diorganyl selenides, and evaluation of antioxidant and anticholinesterasic activities. Tetrahedron Letters, 2017, 58, 3734-3738.	0.7	48
30	Clean and atom-economic synthesis of octahydroacridines: application to essential oil of citronella. Tetrahedron Letters, 2003, 44, 6809-6812.	0.7	47
31	Synthesis of vinyl sulfides via hydrothiolation of alkynes using Al2O3/KF under solvent-free conditions. Tetrahedron Letters, 2008, 49, 1927-1930.	0.7	47
32	Metal and base-free synthesis of arylselanyl anilines using glycerol as a solvent. Green Chemistry, 2014, 16, 3854.	4.6	47
33	Selenonium ionic liquid as an efficient catalyst for the synthesis of thioacetals under solvent-free conditions. Tetrahedron Letters, 2008, 49, 1919-1921.	0.7	43
34	Synthesis of ketene (S, Te)acetals and their transformation into Z-Î±-phenylthio-Î±,Î²-unsaturated aldehydes. Tetrahedron, 1999, 55, 7421-7432.	1.0	42
35	Synthesis of vinyl selenides and tellurides using PEG-400. Arkivoc, 2009, 2009, 221-227.	0.3	40
36	A Selenium-Based Ionic Liquid as a Recyclable Solvent for the Catalyst-Free Synthesis of 3-Selenylindoles. Molecules, 2013, 18, 4081-4090.	1.7	39

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37	Direct Synthesis of 4â€Organylselanylpyrazoles by Copperâ€•Catalyzed Oneâ€Pot Cyclocondensation and Cï£¿H Bond Selenylation Reactions. Advanced Synthesis and Catalysis, 2015, 357, 4041-4049.	2.1	39
38	Synthesis of 4-Organoselanyl-1H-pyrazoles: OxoneÂ®-Mediated Electrophilic Cyclization of Î±,Î²-Alkynyl Hydrazones by Using Diorganyl Diselenides. Synthesis, 2019, 51, 2293-2304.	1.2	38
39	Five-Membered Cyclic Carbonates: Versatility for Applications in Organic Synthesis, Pharmaceutical, and Materials Sciences. Applied Sciences (Switzerland), 2021, 11, 5024.	1.3	38
40	Solvent-free conjugated addition of thiols to citral using KF/alumina: preparation of 3-thioorganylcitronellals, potential antimicrobial agents. Tetrahedron Letters, 2007, 48, 6763-6766.	0.7	36
41	Synthesis of bis(indolyl)methanes using silica gel as an efficient and recyclable surface. Tetrahedron Letters, 2012, 53, 5402-5406.	0.7	36
42	Glycerol/hypophosphorous acid: an efficient system solvent-reducing agent for the synthesis of 2-organylselanyl pyridines. Tetrahedron Letters, 2013, 54, 3215-3218.	0.7	36
43	Î±â€Keto Acids as Acylating Agents in the Synthesis of 2â€Substituted Benzothiazoles and Benzoselenazoles. European Journal of Organic Chemistry, 2017, 2017, 3830-3836.	1.2	36
44	Niobium-promoted reaction of Î±-phenylglyoxylic acid with ortho-functionalized anilines: synthesis of 2-arylbenzothiazoles and 3-aryl-2H-benzo[b][1,4]benzoxazin-2-ones. Green Chemistry, 2016, 18, 6675-6680.	4.6	35
45	Selenomethoxylation of Alkenes Promoted by OxoneÂ®. European Journal of Organic Chemistry, 2018, 2018, 1224-1229.	1.2	34
46	Addition of chalcogenolate anions to terminal alkynes using microwave and solvent-free conditions: easy access to bis-organochalcogen alkenes. Tetrahedron Letters, 2006, 47, 935-938.	0.7	33
47	Synthesis of 2,3-bis-organochalcogenyl-benzo[b]chalcogenophenes promoted by OxoneÂ®. New Journal of Chemistry, 2019, 43, 6323-6331.	1.4	33
48	Synthesis of novel selenium and tellurium-containing tetrazoles: a class of chalcogen compounds with antifungal activity. Tetrahedron Letters, 2012, 53, 3091-3094.	0.7	32
49	Direct synthesis of 4-organylsulfenyl-7-chloro quinolines and their toxicological and pharmacological activities in Caenorhabditis elegans. European Journal of Medicinal Chemistry, 2014, 75, 448-459.	2.6	32
50	CuI/glycerol mediated stereoselective synthesis of 1,2-bis-chalcogen alkenes from terminal alkynes: synthesis of new antioxidants. Tetrahedron Letters, 2014, 55, 5275-5279.	0.7	32
51	Organoselenium compounds from purines: Synthesis of 6-arylselanylpurines with antioxidant and anticholinesterase activities and memory improvement effect. Bioorganic and Medicinal Chemistry, 2017, 25, 6718-6723.	1.4	32
52	The first synthesis of Î²-phenylchalcogeno-Î±,Î²-unsaturated esters via hydrochalcogenation of acetylenes using microwave and solvent-free conditions. Tetrahedron Letters, 2005, 46, 1679-1682.	0.7	31
53	Organochalcogen compounds from glycerol: Synthesis of new antioxidants. Bioorganic and Medicinal Chemistry, 2014, 22, 6242-6249.	1.4	30
54	Photocatalytic Synthesis of 3â€Sulfanylâ€•and 1,3â€Bis(sulfanyl)indolizines Mediated by Visible Light. European Journal of Organic Chemistry, 2020, 2020, 2110-2115.	1.2	30

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55	Ultrasoundâ€Promoted Radical Synthesis of 5â€Methylselanylâ€4,5â€dihydroisoxazoles. European Journal of Organic Chemistry, 2020, 2020, 586-592.	1.2	30
56	Bioactivity and morphological changes of bacterial cells after exposure to 3-(p-chlorophenyl)thio citronellal. LWT - Food Science and Technology, 2014, 59, 813-819.	2.5	29
57	Copper Catalysis and Organocatalysis Showing the Way: Synthesis of Seleniumâ€Containing Highly Functionalized 1,2,3â€Triazoles. Chemical Record, 2018, 18, 527-542.	2.9	29
58	Synthesis of (Z)-organylthioenynes using KF/Al2O3/solvent as recyclable system. Tetrahedron Letters, 2011, 52, 133-135.	0.7	28
59	Glycerol as a recyclable solvent in a microwave-assisted synthesis of disulfides. Green Chemistry Letters and Reviews, 2012, 5, 329-336.	2.1	28
60	Selenium dioxide-promoted selective synthesis of mono- and bis-sulfenylindoles. Organic Chemistry Frontiers, 2018, 5, 1983-1991.	2.3	28
61	Catalyst-free synthesis of octahydroacridines using glycerol as recyclable solvent. Tetrahedron Letters, 2011, 52, 2571-2574.	0.7	27
62	Further analysis of the antimicrobial activity of Î±-phenylseleno citronellal and Î±-phenylseleno citronellol. Food Control, 2012, 23, 95-99.	2.8	27
63	Glycerol/CuI/Zn as a recyclable catalytic system for synthesis of vinyl sulfides and tellurides. Tetrahedron Letters, 2013, 54, 3475-3480.	0.7	27
64	Synthesis of Cross-Conjugated Geminal Enediynes via Palladium Catalyzed Cross-Coupling Reaction of Ketene Butyltelluroacetals. Synlett, 2002, 2002, 0975-0977.	1.0	26
65	Phenyltelluroacrylonitriles and phenylselenoacrylonitriles as precursors of (Z)-Î±-phenylseleno-Î±,Î²-unsaturated aldehydes, Î²-amino-Î±-phenylselenonitriles and Dielsâ€“Alder adducts. Tetrahedron, 2001, 57, 5953-5959.	1.0	25
66	Hydroselenation of alkynes using NaBH4/BMIMBF4: easy access to vinyl selenides. Tetrahedron Letters, 2007, 48, 8011-8013.	0.7	25
67	Highly stereoselective method to prepare bis-phenylchalcogen alkenes via addition of chalcogenolate to phenylseleno alkynes. Tetrahedron Letters, 2012, 53, 2066-2069.	0.7	25
68	Synthesis of 5Hâ€Selenopheno[3,2â€c]isochromenâ€5â€ones Promoted by Dialkyl Diselenides and OxoneÂ®. Advanced Synthesis and Catalysis, 2019, 361, 3403-3411.	2.1	25
69	Synthesis of beta-phenylchalcogeno-alpha, beta-unsaturated esters, ketones and nitriles using microwave and solvent-free conditions. Journal of the Brazilian Chemical Society, 2007, 18, 943-950.	0.6	24
70	Glycerol as a promoting and recyclable medium for catalyst-free synthesis of linear thioethers: new antioxidants from eugenol. Green Chemistry Letters and Reviews, 2013, 6, 269-276.	2.1	24
71	Twice acting antioxidants: synthesis and antioxidant properties of selenium and sulfur-containing zingerone derivatives. Tetrahedron Letters, 2015, 56, 2243-2246.	0.7	24
72	OxoneÂ®-mediated direct arylselenylation of imidazo[2,1-b]thiazoles, imidazo[1,2-a]pyridines and 1H-pyrazoles. Tetrahedron, 2018, 74, 4242-4246.	1.0	24

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73	Synthetic Approaches to Organoselenium Derivatives with Antimicrobial and Anti-Biofilm Activity. Mini-Reviews in Organic Chemistry, 2019, 16, 589-601.	0.6	24
74	Simple cleavage of diorganyl diselenides with NaBH4/PEG-400 and direct Michael addition to electron-deficient alkenes. Tetrahedron Letters, 2013, 54, 1718-1721.	0.7	23
75	Simple and catalyst-free method for the synthesis of diaryl selenides by reactions of arylselenols and arenediazonium salts. Tetrahedron Letters, 2014, 55, 1057-1061.	0.7	23
76	Recent Advances in the Synthesis of Selenophenes and Their Derivatives. Molecules, 2020, 25, 5907.	1.7	23
77	Oxone-Promoted Synthesis of 4-(Chalcogenyl)isoquinoline-N-oxides from Alkynylbenzaldoximes and Diorganyl Dichalcogenides. Journal of Organic Chemistry, 2021, 86, 1721-1729.	1.7	23
78	Synthesis of 1â€Hâ€1,5â€benzodiazepines derivatives using SiO₂/ZnCl₂. Heteroatom Chemistry, 2011, 22, 180-185.	0.4	22
79	A simple and stereoselective synthesis of (Z)-1,2-bis-arylselanyl alkenes from alkynes using KF/Al2O3. Tetrahedron, 2012, 68, 10414-10418.	1.0	22
80	Copperâ€Catalyzed Multicomponent Reactions: Synthesis of Fused 1,2,3â€Triazoloâ€1,3,6â€triazonines. European Journal of Organic Chemistry, 2017, 2017, 2579-2586.	1.2	22
81	Ultrasound-enhanced Ag-catalyzed decarboxylative coupling between Î±-keto acids and disulfides for the synthesis of thioesters. Ultrasonics Sonochemistry, 2018, 49, 41-46.	3.8	22
82	Ultrasound-Promoted One-Pot Synthesis of Mono- or Bis-Substituted Organylselanyl Pyrroles. Journal of Organic Chemistry, 2019, 84, 5471-5482.	1.7	22
83	Synthesis of ketene phenyltelluroacetals by a Wittig-Horner route. Tetrahedron Letters, 1995, 36, 7361-7362.	0.7	21
84	Antiparasitic activity of 1,3-dioxolanes containing tellurium in Trichomonas vaginalis. Biomedicine and Pharmacotherapy, 2017, 89, 284-287.	2.5	21
85	Synthesis of Seleno-Dibenzocycloheptenones/Spiro[5.5]Trienones by Radical Cyclization of Biaryl Ynones. Journal of Organic Chemistry, 2022, 87, 4273-4283.	1.7	21
86	The use of anhydrous CeCl3 as a recyclable and selective catalyst for the acetalization of aldehydes and ketones. Journal of the Brazilian Chemical Society, 2010, 21, 371-374.	0.6	20
87	DES as a green solvent to prepare 1,2-bis-organylseleno alkenes. Scope and limitations. Tetrahedron Letters, 2015, 56, 6890-6895.	0.7	20
88	Silver-catalyzed direct selenylation of terminal alkynes through C H bond functionalization. Molecular Catalysis, 2017, 427, 73-79.	1.0	20
89	Synthesis of 4-Selanyl- and 4-Tellanyl-1H-isochromen-1-ones Promoted by Diorganyl Dichalcogenides and Oxone. Journal of Organic Chemistry, 2021, 86, 14016-14027.	1.7	20
90	Ultrasound-promoted synthesis of 2-organoselanyl-naphthalenes using Oxone^{Â®} in aqueous medium as an oxidizing agent. PeerJ, 2018, 6, e4706.	0.9	20

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91	Clean and atom-economic synthesis of alpha-phenylselenoacrylonitriles and alpha-phenylseleno-alpha,beta-unsaturated esters by knoevenagel reaction under solvent-free conditions. Journal of the Brazilian Chemical Society, 2005, 16, 857-862.	0.6	19
92	Regioselective Synthesis of 1-Sulfanyl- and 1-Selanylindolizines. Journal of Organic Chemistry, 2019, 84, 7189-7198.	1.7	19
93	Greening the synthesis of selenium-containing heterocycles: Recent efforts and advances. Current Opinion in Green and Sustainable Chemistry, 2020, 26, 100372.	3.2	19
94	Preparation of Vinyl Tellurides via a Simplified Ylidation Reaction. Synlett, 1995, 1995, 58-60.	1.0	18
95	Synthesis and reactivity of alpha-phenylseleno-beta-substituted styrenes: preparation of (Z)-allyl alcohols, (E)-alpha-phenyl-alpha,beta-unsaturated aldehydes and alpha-aryl acetophenones. Journal of the Brazilian Chemical Society, 2006, 17, 1031-1038.	0.6	18
96	Green Hydroselenation of Aryl Alkynes: Divinyl Selenides as a Precursor of Resveratrol. Molecules, 2017, 22, 327.	1.7	18
97	Synthesis of fused 1,2,3-triazolo-1,3,6-triazonines through copper-catalyzed intramolecular Ullmann cross-coupling reaction. Tetrahedron Letters, 2016, 57, 4885-4889.	0.7	17
98	Copper-catalyzed synthesis of 1,3,5-triaryl-4-(organylselanyl)-1H-pyrazoles by one-pot multicomponent reactions. Tetrahedron Letters, 2018, 59, 4090-4095.	0.7	17
99	Preparation of symmetrical divinyl tellurides via an ylidation reaction. Journal of Organometallic Chemistry, 1999, 584, 44-47.	0.8	16
100	Synthesis of Î²â€Phenylchalcogenoâ€Î±,Î²â€unsaturated Ketones via Hydrochalcogenation of Acetylenes using Microwave and Solventâ€Free Conditions. Synthetic Communications, 2006, 36, 2587-2595.	1.1	16
101	Seleniumâ€NMR Spectroscopy in Organic Synthesis: From Structural Characterization Toward New Investigations. Asian Journal of Organic Chemistry, 2021, 10, 91-128.	1.3	16
102	Organoboron compounds as versatile reagents in the transition metal-catalyzed Câ€“S, Câ€“Se and Câ€“Te bond formation. Coordination Chemistry Reviews, 2021, 442, 214012.	9.5	16
103	New Prospective for Redox Modulation Mediated by Organo selenium and Organotellurium Compounds. Current Organic Chemistry, 2017, 21, .	0.9	16
104	Synthesis of (arylselanyl)- and (arylsulfenyl)-alkyl-1,2,3-triazolo-1,3,6-triazonines via a copper-catalyzed multicomponent reaction. Tetrahedron Letters, 2018, 59, 1080-1083.	0.7	15
105	NaBH4/[bmim]BF4: a new reducing system to access vinyl selenides and tellurides. Journal of the Brazilian Chemical Society, 2010, 21, 2093-2099.	0.6	14
106	Synthesis of [(Arylselanyl)alkyl]-1,2,3-triazoles by Copper-Catalyzed 1,3-Dipolar Cycloaddition of (Arylselanyl)alkynes with Benzyl Azides. Synthesis, 2012, 44, 1997-2004.	1.2	14
107	Polyethylene glycol-400/H₃PO₂: an eco-friendly reductive system for the synthesis of selanylesters. Organic Chemistry Frontiers, 2015, 2, 1531-1535.	2.3	14
108	Selective Synthesis of Vinylâ€or Alkynyl Chalcogenides from Glycerol and their Waterâ€Soluble Derivatives. ChemistrySelect, 2016, 1, 2009-2013.	0.7	14

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109	Atom Efficient Preparation of Zinc Selenates for the Synthesis of Selenol Esters under â€œOn Waterâ€• Conditions. Molecules, 2017, 22, 953.	1.7	14
110	Synthesis of vinyl sulfides using glycerol as a recyclable solvent. Arkivoc, 2011, 2011, 272-282.	0.3	14
111	Synthesis of enantiomerically pure glycerol derivatives containing an organochalcogen unit: In vitro and in vivo antioxidant activity. Arabian Journal of Chemistry, 2020, 13, 883-899.	2.3	13
112	Synthesis of 2â€Arylâ€(3â€Organochalcogenyl)Thieno[2,3â€b]Pyridines Promoted by OxoneÂ®. Asian Journal of Organic Chemistry, 2021, 10, 1198-1206.	1.3	13
113	Synthesis of ketene phenyl- and butyltelluroacetals by a Hornerâ€“Wittig route. Tetrahedron, 2005, 61, 7712-7718.	1.0	12
114	Addition of thiols to phenylselenoalkynes using KF/Alumina under solvent-free conditions. Journal of the Brazilian Chemical Society, 2010, 21, 2125-2129.	0.6	12
115	1,1-Dibromoalkenes as versatile reagents to a transition metal-free and stereoselective synthesis of (E) Tj ETQq1 1 0.784314 rgBT /Ov	0.7	12
116	Synthesis of 2â€Organylchalcogenylâ€“benzo[b]selenophenes: 1â€(2,2â€Dibromovinyl)â€2â€butylselenanylbenzenes as Precursors to Access Alkynes Susceptible to Cyclization. ChemistrySelect, 2017, 2, 4561-4566.	0.7	12
117	Synthesis and antioxidant capacity of novel stable 5-tellurofuranose derivatives. Chemical Communications, 2018, 54, 2990-2993.	2.2	12
118	Alternative Metal-Free Synthesis of Diorganoyl Selenides and Tellurides Mediated by OxoneÂ®. Synlett, 2018, 29, 1479-1484.	1.0	12
119	Synthesis, Molecular Docking, and Preliminary Evaluation of 2â€(1,2,3â€Triazoyl)benzaldehydes As Multifunctional Agents for the Treatment of Alzheimer's Disease. ChemMedChem, 2020, 15, 610-622.	1.6	12
120	Transitionâ€Metalâ€Free Cå^'S, Cå^'Se, and Cå^'Te Bond Formation from Organoboron Compounds. Chemical Record, 2021, 21, 2855-2879.	2.9	12
121	Recent Advances in the Oxone-Mediated Synthesis of Heterocyclic Compounds. Molecules, 2021, 26, 7523.	1.7	12
122	Synthesis of Vinylic Chalcogenides (S, Se, Te) by Wittig and the Horner-Wittig Reactions. Phosphorus, Sulfur and Silicon and the Related Elements, 2001, 172, 55-100.	0.8	11
123	Direct Michael addition to electron-deficient alkenes using diorganyl dichalcogenides (Te/S) and NaBH4/PEG-400. Tetrahedron Letters, 2014, 55, 5652-5655.	0.7	11
124	A simple and non-conventional method for the synthesis of selected Î²-arylalkylchalcogeno substituted alcohols, amines and carboxylic acids. Arkivoc, 2017, 2016, 376-389.	0.3	11
125	Organylselanyl Î±â€Amino Phosphonates: Synthesis, NMR Spectroscopic Study, and Antioxidant and Antinociceptive Activities. European Journal of Organic Chemistry, 2018, 2018, 627-639.	1.2	11
126	Ultrasound-assisted synthesis of imidazo[1,2-a]pyridines and sequential one-pot preparation of 3-selanyl-imidazo[1,2-a]pyridine derivatives. Arkivoc, 2020, 2019, 6-23.	0.3	11

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127	Atom-Economic Synthesis of Functionalized Octahydroacridines from Citronellal or 3-(Phenylthio)-citronellal. Synthetic Communications, 2009, 39, 2747-2762.	1.1	10
128	Synthesis of Î²-Aryl-Î²-sulfanyl Ketones by a Sequential One-Pot Reaction Using KF/Al₂O₃ in Glycerol. Synthetic Communications, 2014, 44, 49-58.	1.1	10
129	Synthesis and Pharmacological Evaluation of Novel Selenoethers Glycerol Derivatives for the Treatment of Pain and Inflammation: Involvement of Nitrergic and Glutamatergic Systems. Applied Biochemistry and Biotechnology, 2019, 187, 1398-1423.	1.4	10
130	Dichalcogenides/Oxone Â® â€Mediated Cyclization of (Z)â€Chalcogenoenynes under Ultrasound Irradiation. ChemistrySelect, 2020, 5, 9813-9819.	0.7	10
131	Synthesis of Thiol Esters by the Reaction of Ricinoleic Acid with Thiols Under Solvent-Free Conditions. Synthetic Communications, 2011, 41, 2974-2984.	1.1	9
132	PEG-400 as a recyclable solvent in the synthesis of Î²-arylthio-Î±,Î²-unsaturated esters, ketone and aldehyde under base and catalyst-free conditions. Journal of Environmental Chemical Engineering, 2016, 4, 2004-2007.	3.3	9
133	Synthesis of enantiomerically pure bis(2,2-dimethyl-1,3-dioxolanylmethyl)chalcogenides and dichalcogenides. New Journal of Chemistry, 2016, 40, 2321-2326.	1.4	9
134	Modulation of COX-2, INF-É£, glutamatergic and opioid systems contributes to antinociceptive, anti-inflammatory and anti-hyperalgesic effects of bis(3-amino-2-pyridine) diselenide. Chemico-Biological Interactions, 2019, 311, 108790.	1.7	9
135	Chalcogenâ€Containing Diols: A Novel Chiral Derivatizing Agent for ⁷⁷Se and ¹²⁵Te NMR Chiral Recognition of Primary Amines. ChemistrySelect, 2019, 4, 4797-4803.	0.7	9
136	Sonochemistry and Copper Catalysis: An Efficient Duo in the Synthesis of Chalcogenylindolizines. Asian Journal of Organic Chemistry, 2020, 9, 1631-1637.	1.3	9
137	Glycerol as Renewable Resource in the Synthesis of Thioethers Using KF/Al₂O₃. Current Green Chemistry, 2014, 1, 115-120.	0.7	9
138	Structural diversity in the products formed by the reactions of 2-arylselanyl pyridine derivatives and dihalogens. New Journal of Chemistry, 2018, 42, 10592-10602.	1.4	8
139	Synthesis of benzo[b]chalcogenophenes fused to selenophenes via intramolecular electrophilic cyclization of 1,3-diynes. Organic and Biomolecular Chemistry, 2021, 19, 596-604.	1.5	8
140	A greener protocol for the synthesis of phosphorochalcogenoates: Antioxidant and free radical scavenging activities. European Journal of Medicinal Chemistry, 2021, 213, 113052.	2.6	8
141	A Convenient Synthesis of Arylselenoacetals and Î±-Halo-Î±-(phenylseleno)alkanes. Synthetic Communications, 1995, 25, 117-126.	1.1	7
142	Microwave Assisted Rapid Synthesis of (Arylselanyl)phenyl-1H-1,2,3-triazoles by Copper Catalyzed 1,3-Dipolar Cycloaddition. Current Microwave Chemistry, 2015, 3, 14-23.	0.2	7
143	Water-Dependent Selective Synthesis of Mono- or Bis-Selanyl Alkenes from Terminal Alkynes. ChemistrySelect, 2016, 1, 4289-4294.	0.7	7
144	Selective synthesis of 4-thiomethyl-1,3-dioxolan-2-ones under microwave irradiation using an environmentally benign KF/Al2O3/PEG-400 system. Research on Chemical Intermediates, 2016, 42, 5873-5885.	1.3	7

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145	NMR chiral discrimination of chalcogen containing secondary alcohols. Chirality, 2019, 31, 41-51.	1.3	7
146	Synthesis of 2-(Arylselanyl)benzo[b]chalcogenophenes via Intramolecular Cyclization of Vinyl Selenides. Synthesis, 2019, 51, 578-586.	1.2	7
147	Visible light-promoted synthesis of 2-aryl-(3-organoselanyl)thieno[2,3-b]pyridines. Green Chemistry Letters and Reviews, 2022, 15, 373-382.	2.1	7
148	KF/Al₂O₃ as a Green System for the Synthesis of Organochalcogen Compounds. Current Green Chemistry, 2016, 3, 4-17.	0.7	6
149	Synthesis of Terminal Ethynyl Aryl Selenides and Sulfides Based on the Retroâ€Favorskii Reaction of Hydroxypropargyl Precursors. Chemistry - A European Journal, 2017, 23, 13760-13765.	1.7	6
150	Synthesis of 2-organylselenopheno[2,3-b]pyridines and 1,6-diazaselenanthrenes via radical cascade reactions using tert-butyl nitrite. Arkivoc, 2020, 2019, 50-64.	0.3	6
151	Ultrasound and OxoneÂ® promoting regioselective selenofunctionalization of chromone. Arkivoc, 2020, 2020, 276-286.	0.3	6
152	Synthesis of (Z)-N-alkenyl-Î²-arylselanyl imidazoles via additive-free nucleophilic addition of imidazole to arylselanylalkynes. Tetrahedron Letters, 2014, 55, 992-995.	0.7	5
153	Se - [(2,2-Dimethyl-1,3-dioxolan-4-yl) methyl] 4-chlorobenzoselenolate reduces the nociceptive and edematogenic response by chemical noxious stimuli in mice: Implications of multi-target actions. Pharmacological Reports, 2019, 71, 1201-1209.	1.5	5
154	Synthesis of 3,4-Bis(Butylselanyl)Selenophenes and 4-Alkoxyselenophenes Promoted by OxoneÂ®. Molecules, 2021, 26, 2378.	1.7	5
155	Glycerol as a Solvent in Organic Synthesis. Revista Virtual De Quimica, 2017, 9, 192-237.	0.1	5
156	UVA Lightâ€promoted Catalystâ€free Cyclization of Vinyl Selenides: Green and Efficient Synthesis of C3â€Unsubstituted 2â€Selanyl Benzochalcogenophenes. Chemistry - an Asian Journal, 2022, 17, e202101394.	1.7	5
157	Tellurium-promoted stereoselective hydrodebromination of 1,1-dibromoalkenes: synthesis of (E)-bromoalkenes. RSC Advances, 2016, 6, 103657-103661.	1.7	4
158	Et₂NHâ€Mediated 1,3â€Dipolar Cycloaddition: Synthesis of 1â€(2â€(Organylselanyl)pyridinâ€3â€yl)â€1Hâ€1,2,3â€triazoleâ€4â€carboxylate Derivatives. ChemistrySelect, 2017, 2, 6645-6649.	0.7	4
159	Glycerol as Precursor of Organoselanyl and Organotellanyl Alkynes. Molecules, 2017, 22, 391.	1.7	4
160	Synthesis of 2â€Organylchalcogenopheno[2,3â€b]pyridines from Elemental Chalcogen and NaBH 4 /PEGâ€400 as a Reducing System: Antioxidant and Antinociceptive Properties. ChemMedChem, 2020, 15, 1741-1751.	1.6	4
161	RongaliteÂ®/PEG-400 as reducing system in the synthesis of new glycerol-derived selenol esters using anhydrides and bis-(2,2-dimethyl-1,3-dioxolanylmethyl)diselenide as substrates. Arkivoc, 2017, 2017, 138-148.	0.3	4
162	Selective Synthesis of 4â€Chalcogenylmethylâ€1,3â€dioxolanâ€2â€ones and 1,3â€Bis(organylchalcogenyl)propanâ€2â€ols from 3â€Oâ€Tosyl Glycerol 1,2â€Carbonate. ChemistrySelect, 2016, 1, 6238-6242.	0.7	2

#	Article	IF	Citations
163	Synthesis of alkynyltellurides mediated by K₃PO₄ and DMSO. New Journal of Chemistry, 2019, 43, 11091-11098.	1.4	2
164	Elemental Chalcogen (Se, S) in PEG-400 to the Synthesis of Seleno- and Thioflavones from 2-Chlorophenyl Ethynyl Ketone and Nucleophilic Species of Chalcogen. Journal of the Brazilian Chemical Society, 0, , .	0.6	2
165	Bis-(3-amino-2-pyridine) diselenide improves psychiatric disorders â€“atopic dermatitis comorbidity by regulating inflammatory and oxidative status in mice. Chemico-Biological Interactions, 2021, 345, 109564.	1.7	2
166	Synthesis of 4-Arylselanylpyrazoles Through Cyclocondensation Reaction Using Glycerol as Solvent. Journal of the Brazilian Chemical Society, 2015, , .	0.6	2
167	Oxyselenocyclization of 2â€Allylphenols for the Synthesis of 2,3â€Dihydrobenzofuran Selenides. ChemistrySelect, 2021, 6, 13884-13889.	0.7	2
168	Synthesis of 3-(1H-1,2,3-Triazol-1-yl)-2-(arylselanyl)pyridines by Copper-Catalyzed 1,3-Dipolar Cycloaddition of 2-(Arylselanyl)-3-azido-pyridines with Terminal Alkynes. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
169	Selective Synthesis of (Z)-Chalcogenoenynes and (Z,Z)-1,4-bis-Chalcogenbuta-1,3-dienes Using PEG-400. Journal of the Brazilian Chemical Society, 2016, , .	0.6	1
170	Synthesis of Organosulfur and Organoselenium Derivatives from Castor Oil. Revista Virtual De Quimica, 2014, 6, .	0.1	1
171	Clean and Atom-Economic Synthesis of Octahydroacridines: Application to Essential Oil of Citronella.. ChemInform, 2003, 34, no.	0.1	0
172	The First Synthesis of Î²-Phenylchalcogeno-Î±,Î²-Unsaturated Esters via Hydrochalcogenation of Acetylenes Using Microwave and Solvent-Free Conditions.. ChemInform, 2005, 36, no.	0.1	0
173	Synthesis of Ketene Phenyl- and Butyltelluroacetals by a Hornerâ€"Wittig Route.. ChemInform, 2005, 36, no.	0.1	0
174	Quinolines-1,2,3-triazolylcarboxamides exhibits antiparasitic activity in Trichomonas vaginalis. Biotechnology Research and Innovation, 2019, 3, 265-274.	0.3	0
175	6. Synthesis of organoselenium compounds using nonconventional reaction media. , 2020, , 193-276.		0
176	Se-[(2,2-Dimethyl-1,3-dioxolan-4-yl)methyl] 4-Chlorobenzoselenolate Attenuates Inflammatory Response, Nociception, and Affective Disorders Related to Rheumatoid Arthritis in Mice. ACS Chemical Neuroscience, 2021, 12, 3760-3771.	1.7	0
177	Glycerol/Hypophosphorous Acid and PhSeSePh: An Efficient and Selective System for Reactions in the Carbon-Carbon Double Bond of (E)-Chalcones. Journal of the Brazilian Chemical Society, 2014, , .	0.6	0
178	Oneâ€Pot Synthesis and in Silico Molecular Docking Studies of Arylselanyl Hydrazides as Potential Antituberculosis Agents. Chemistry and Biodiversity, 2022, 19, .	1.0	0
179	Alternative energy source: synthesis of selenium compounds. , 2022, , 31-82.		0