Antonio Braga

List of Publications by Year
in descending order

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330 papers	10,851 citations	31974 53 h-index	66906 78 g-index
449 all docs	449 docs citations	449 times ranked	5452 citing authors

#	Article	IF	Citations
1	Vinylic Tellurides:Â From Preparation to Their Applicability in Organic Synthesis. Chemical Reviews, 2006, 106, 1032-1076.	47.7	233
2	Antioxidant properties of new chalcogenides against lipid peroxidation in rat brain. Neurochemical Research, 2002, 27, 297-303.	3.3	170
3	â€œThe green side of the moon: ecofriendly aspects of organoselenium chemistryâ€• RSC Advances, 2014, 4, 31521-31535.	3.6	169
4	Effect of Organic Forms of Selenium on Î´-Aminolevulinate Dehydratase from Liver, Kidney, and Brain of Adult Rats. Toxicology and Applied Pharmacology, 1998, 149, 243-253.	2.8	165
5	An Efficient One-Pot Synthesis of Symmetrical Diselenides or Ditellurides from Halides with CuO Nanopowder/Se⁰ or Te⁰/Base. Organic Letters, 2010, 12, 3288-3291.	4.6	164
6	A Solvent- and Metal-Free Synthesis of 3-Chacogenyl-indoles Employing DMSO/I₂ as an Eco-friendly Catalytic Oxidation System. Journal of Organic Chemistry, 2014, 79, 4125-4130.	3.2	157
7	GPx-Like Activity of Selenides and Selenoxides: Experimental Evidence for the Involvement of Hydroxy Perhydroxy Selenane as the Active Species. Journal of the American Chemical Society, 2012, 134, 138-141.	13.7	156
8	Regioselective, Solventâ€•and Metalâ€Free Chalcogenation of Imidazo[1,2â€a]pyridines by Employing I₂/DMSO as the Catalytic Oxidation System. Chemistry - A European Journal, 2016, 22, 11854-11862.	3.3	156
9	Palladium-Catalyzed Coupling of sp2-Hybridized Tellurides. Accounts of Chemical Research, 2003, 36, 731-738.	15.6	139
10	Catalytic application of selenium and tellurium compounds as glutathione peroxidase enzyme mimetics. Journal of the Brazilian Chemical Society, 2010, 21, 2032-2041.	0.6	133
11	Diphenyl diselenide and diphenyl ditelluride differentially affect ?-aminolevulinate dehydratase from liver, kidney, and brain of mice. Journal of Biochemical and Molecular Toxicology, 2000, 14, 310-319.	3.0	130
12	Synthesis of New Chiral Aliphatic Amino Diselenides and Their Application as Catalysts for the Enantioselective Addition of Diethylzinc to Aldehydes. Organic Letters, 2003, 5, 2635-2638.	4.6	128
13	Catalytic Chalcogenylation under Greener Conditions: A Solvent-Free Sulfur- and Seleno-functionalization of Olefins via I₂/DMSO Oxidant System. Journal of Organic Chemistry, 2015, 80, 2120-2127.	3.2	121
14	Stereoselective Synthesis of Enynes by Nickel-Catalyzed Cross-Coupling of Divinylic Chalcogenides with Alkynes. Journal of Organic Chemistry, 2003, 68, 662-665.	3.2	116
15	Synthesis of Polyacetylenic Acids Isolated fromHeisteriaacuminata. Organic Letters, 2001, 3, 819-821.	4.6	115
16	Catalytic Applications of Chiral Organoselenium Compounds in Asymmetric Synthesis. Synlett, 2006, 2006, 1453-1466.	1.8	115
17	New Organochalcogen Multitarget Drug: Synthesis and Antioxidant and Antitumoral Activities of Chalcogenozidovudine Derivatives. Journal of Medicinal Chemistry, 2015, 58, 3329-3339.	6.4	107
18	Direct, Metalâ€free C(sp²)â˜H Chalcogenation of Indoles and Imidazopyridines with Dichalcogenides Catalysed by KIO₃. Chemistry - A European Journal, 2018, 24, 4173-4180.	3.3	107

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19	Rose Bengal catalysed photo-induced selenylation of indoles, imidazoles and arenes: a metal free approach. Organic and Biomolecular Chemistry, 2018, 16, 880-885.	2.8	105
20	Chiral organoselenium-transition-metal catalysts in asymmetric transformations. Dalton Transactions, 2011, 40, 11347.	3.3	98
21	CuO nanoparticles: an efficient and recyclable catalyst for cross-coupling reactions of organic diselenides with aryl boronic acids. Tetrahedron Letters, 2009, 50, 6635-6638.	1.4	96
22	Addition of hydrogen halides to acetylenic selenides. Synthesis of 1-halo-1-selenoalkenes. Tetrahedron, 1996, 52, 9687-9702.	1.9	95
23	Facilitation of long-term object recognition memory by pretraining administration of diphenyl diselenide in mice. Neuroscience Letters, 2003, 341, 217-220.	2.1	85
24	Efficient Synthesis of Chiral Î²-Seleno Amides via Ring-Opening Reaction of 2-Oxazolines and Their Application in the Palladium-Catalyzed Asymmetric Allylic Alkylation. Journal of Organic Chemistry, 2005, 70, 9021-9024.	3.2	84
25	Enantioselective Synthesis Mediated by Catalytic Chiral Organoselenium Compounds. Current Organic Chemistry, 2006, 10, 1921-1938.	1.6	82
26	Renal and hepatic ALA-D activity and selected oxidative stress parameters of rats exposed to inorganic mercury and organoselenium compounds. Food and Chemical Toxicology, 2004, 42, 17-28.	3.6	80
27	Chiral Seleno-Amines from Indium Selenolates. A Straightforward Synthesis of Selenocysteine Derivatives. Journal of Organic Chemistry, 2006, 71, 4305-4307.	3.2	78
28	DMSO/iodine-catalyzed oxidative Câ€“Se/Câ€“S bond formation: a regioselective synthesis of unsymmetrical chalcogenides with nitrogen- or oxygen-containing arenes. Catalysis Science and Technology, 2016, 6, 3087-3098.	4.1	76
29	Chiral diselenide ligands for the asymmetric copper-catalyzed conjugate addition of Grignard reagents to enones. Tetrahedron Letters, 2002, 43, 7329-7331.	1.4	74
30	Imidazolium ionic liquids containing selenium: synthesis and antimicrobial activity. Organic and Biomolecular Chemistry, 2011, 9, 1001-1003.	2.8	74
31	Synthesis of Unsymmetrical Diorganyl Chalcogenides under Greener Conditions: Use of an Iodine/DMSO System, Solventâ€•and Metalâ€Free Approach. Advanced Synthesis and Catalysis, 2015, 357, 1446-1452.	4.3	72
32	Catalytic enantioselective arylation of aldehydes: boronic acids as a suitable source of transferable aryl groups. Chemical Communications, 2005, , 2512.	4.1	71
33	Acceleration of Arylzinc Formation and Its Enantioselective Addition to Aldehydes by Microwave Irradiation and Aziridine-2-methanol Catalysts. Journal of Organic Chemistry, 2008, 73, 2879-2882.	3.2	70
34	Eco-friendly cross-coupling of diaryl diselenides with aryl and alkyl bromides catalyzed by CuO nanopowder in ionic liquid. Green Chemistry, 2009, 11, 1521.	9.0	69
35	Hydroselenation of Alkynes by Lithium Butylselenolate:â€‰ An Approach in the Synthesis of Vinylic Selenides. Organic Letters, 2004, 6, 1135-1138.	4.6	68
36	Reaction of diphenyl diselenide with hydrogen peroxide and inhibition of delta-aminolevulinate dehydratase from rat liver and cucumber leaves. Brazilian Journal of Medical and Biological Research, 2002, 35, 623-631.	1.5	67

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37	Synthesis and antitumor activity of selenium-containing quinone-based triazoles possessing two redox centres, and theirÂmechanistic insights. European Journal of Medicinal Chemistry, 2016, 122, 1-16.	5.5	65
38	Convenient preparation of alkynyl selenides, sulfides and tellurides from terminal alkynes and prenylchalcogenyl halides in the presence of copper(I) iodide. Tetrahedron Letters, 1993, 34, 8041-8042.	1.4	64
39	Facile and practical enantioselective synthesis of propargylic alcohols by direct addition of alkynes to aldehydes catalyzed by chiral disulfideâ€“oxazolidine ligands. Tetrahedron, 2002, 58, 10413-10416.	1.9	64
40	Effects of age on reserpine-induced orofacial dyskinesia and possible protection of diphenyl diselenide. Brain Research Bulletin, 2004, 64, 339-345.	3.0	64
41	Pharmacology and toxicology of diphenyl diselenide in several biological models. Brazilian Journal of Medical and Biological Research, 2007, 40, 1287-1304.	1.5	64
42	Synthesis and biological evaluation of new nitrogen-containing diselenides. European Journal of Medicinal Chemistry, 2014, 87, 131-139.	5.5	64
43	Hybrid compounds with two redox centres: Modular synthesis of chalcogen-containing lapachones and studies on their antitumor activity. European Journal of Medicinal Chemistry, 2015, 101, 254-265.	5.5	63
44	Solventâ€•and Metalâ€Free Chalcogenation of Bicyclic Arenes Using I₂/DMSO as Nonâ€Metallic Catalytic System. European Journal of Organic Chemistry, 2017, 2017, 4740-4748.	2.4	61
45	Synthesis and evaluation of dihydropyrimidinone-derived selenoesters as multi-targeted directed compounds against Alzheimerâ€™s disease. Bioorganic and Medicinal Chemistry, 2016, 24, 5762-5770.	3.0	60
46	Synthesis and structural characterisation of the aggregates of benzo-1,2-chalcogenazole 2-oxides. Dalton Transactions, 2017, 46, 6570-6579.	3.3	60
47	New acetylenic furan derivatives: synthesis and anti-inflammatory activity. Tetrahedron Letters, 2001, 42, 8927-8930.	1.4	59
48	Efficient Synthesis of Modular Amino Acid Derivatives Containing Selenium with Pronounced GPxâ€Like Activity. European Journal of Organic Chemistry, 2009, 2009, 4211-4214.	2.4	59
49	Diphenyl diselenide derivatives inhibit microbial biofilm formation involved in wound infection. BMC Microbiology, 2016, 16, 220.	3.3	57
50	Câ€“S cross-coupling of thiols with aryl iodides under ligand-free conditions using nano copper oxide as a recyclable catalyst in ionic liquid. Catalysis Science and Technology, 2011, 1, 569.	4.1	56
51	Electrochemical synthesis of selenyl-dihydrofurans via anodic selenofunctionalization of allyl-naphthol/phenol derivatives and their anti-Alzheimer activity. Organic and Biomolecular Chemistry, 2020, 18, 4916-4921.	2.8	56
52	Alkynyl sulfides and selenides from alkynyl bromides and diorganoyl chalcogenides promoted by copper(I) iodide. Tetrahedron Letters, 1993, 34, 393-394.	1.4	55
53	Synthesis and anti-inflammatory activity of acetylenic thiophenes. Tetrahedron Letters, 2001, 42, 7921-7923.	1.4	55
54	Modular chiral selenium-containing oxazolines: synthesis and application in the palladium-catalyzed asymmetric allylic alkylation. Tetrahedron, 2005, 61, 11664-11671.	1.9	55

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55	Recent Advances in Electrochemical Chalcogen (S/Se)â€Functionalization of Organic Molecules. ChemElectroChem, 2019, 6, 5928-5940.	3.4	55
56	Straightforward Synthesis of Non-Natural Selenium Containing Amino Acid Derivatives and Peptides. European Journal of Organic Chemistry, 2005, 2005, 4260-4264.	2.4	54
57	KIO₃â€Catalyzed C(sp²)â€H Bond Selenylation/Sulfenylation of (Hetero)arenes: Synthesis of Chalcogenated (Hetero)arenes and their Evaluation for Antiâ€Alzheimer Activity. Asian Journal of Organic Chemistry, 2018, 7, 1819-1824.	2.7	54
58	Synthesis of telluroamino acid derivatives with remarkable GPx like activity. Organic and Biomolecular Chemistry, 2009, 7, 43-45.	2.8	53
59	NH4I-catalyzed chalcogen(S/Se)-functionalization of 5-membered N-heteroaryls under metal-free conditions. Tetrahedron, 2018, 74, 3971-3980.	1.9	53
60	Stereoselective addition of sodium organyl chalcogenolates to alkynylphosphonates: synthesis of diethyl 2-(organyl)-2-(organochalcogenyl)vinylphosphonates. Tetrahedron Letters, 2000, 41, 161-163.	1.4	51
61	Catalytic enantioselective arylations: boron to zinc exchange as a powerful tool for the generation of transferable aryl groups. Journal of the Brazilian Chemical Society, 2008, 19, 813-830.	0.6	51
62	Efficient synthesis of selenol esters from acid chlorides mediated by indium metal. Tetrahedron, 2009, 65, 4614-4618.	1.9	51
63	Efficient synthesis of selenoesters from acyl chlorides mediated by CuO nanopowder in ionic liquid. Green Chemistry, 2010, 12, 957.	9.0	51
64	Metal- and Solvent-Free Approach to Access 3-Se/S-Chromones from the Cyclization of Enaminones in the Presence of Dichalcogenides Catalyzed by KIO₃. ACS Omega, 2017, 2, 2280-2290.	3.5	51
65	Vicinal Difunctionalization of Alkynyl Selenides with Lithium Butylcyano Cuprate and Electrophiles. Synthetic Communications, 1994, 24, 1165-1170.	2.1	50
66	Zn in ionic liquid: an efficient reaction media for the synthesis of diorganyl chalcogenides and chalcogenoesters. Tetrahedron, 2011, 67, 4723-4730.	1.9	50
67	Selenoxides inhibit Î´-aminolevulinic acid dehydratase. Toxicology Letters, 2001, 119, 27-37.	0.8	49
68	Synthesis of selenol esters from diorganyl diselenides and acyl chlorides under solvent-free conditions and microwave irradiation. Green Chemistry, 2012, 14, 456.	9.0	49
69	Synthesis of Selenium-Quinone Hybrid Compounds with Potential Antitumor Activity via Rh-Catalyzed C-H Bond Activation and Click Reactions. Molecules, 2018, 23, 83.	3.8	49
70	Trihaloisocyanuric acids in ethanol: an eco-friendly system for the regioselective halogenation of imidazo-heteroarenes. Green Chemistry, 2020, 22, 3410-3415.	9.0	49
71	A new functionalized, chiral disulfide derived from l-cysteine: (R,R)-bis[(3-benzyloxazolan-4-yl)-methane] disulfide as a catalyst in the diethylzinc addition to aldehydes. Tetrahedron: Asymmetry, 1999, 10, 1733-1738.	1.8	48
72	Synthesis of Thiol, Selenol, and Tellurol Esters by the Reaction of Organochalcogeno Mercurials with Acid Chlorides. Organometallics, 1999, 18, 5183-5186.	2.3	48

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73	Copper salt-catalyzed homo-coupling reaction of potassium alkynyltrifluoroborates: a simple and efficient synthesis of symmetrical 1,3-diynes. Tetrahedron Letters, 2008, 49, 2366-2370.	1.4	48
74	Imidazolium-containing diselenides for catalytic oxidations with hydrogen peroxide and sodium bromide in aqueous solutions. Tetrahedron, 2012, 68, 10476-10481.	1.9	48
75	Copper-Catalyzed Synthesis of Unsymmetrical Diorganyl Chalcogenides (Te/Se/S) from Boronic Acids under Solvent-Free Conditions. Molecules, 2017, 22, 1367.	3.8	48
76	Creatine protects against the convulsive behavior and lactate production elicited by the intrastriatal injection of methylmalonate. Neuroscience, 2003, 118, 1079-1090.	2.3	47
77	Synthetic approaches to 2-tetralones. Tetrahedron, 2004, 60, 8295-8328.	1.9	47
78	Organocatalytic asymmetric aldol reactions mediated by a cysteine-derived prolinamide. Tetrahedron Letters, 2008, 49, 5094-5097.	1.4	47
79	Microwave-assisted one-pot synthesis of symmetrical diselenides, ditellurides and disulfides from organoyl iodides and elemental chalcogen catalyzed by CuO nanoparticles. Journal of Molecular Catalysis A, 2012, 365, 186-193.	4.8	47
80	Stereoselective sp2â€“sp2 bond formation via Negishi cross-coupling of vinylic tellurides and 2-heteroarylzinc chlorides. Tetrahedron Letters, 2004, 45, 4823-4826.	1.4	46
81	Solvent- and metal-free selective oxidation of thiols to disulfides using I2/DMSO catalytic system. Tetrahedron Letters, 2017, 58, 4713-4716.	1.4	46
82	Stereoselective synthesis of Boc-protected l-seleno- and tellurolanthionine, l-seleno- and tellurocystine and derivatives. Tetrahedron Letters, 2006, 47, 1019-1021.	1.4	45
83	Comparative Studies on Dicholesteroyl Diselenide and Diphenyl Diselenide as Antioxidant Agents and their Effect on the Activities of Na+/K+ ATPase and Î´-Aminolevulinic acid Dehydratase in the Rat Brain. Neurochemical Research, 2008, 33, 167-178.	3.3	45
84	Ring opening of unprotected aziridines by zinc selenolates in a biphasic system. Tetrahedron Letters, 2009, 50, 2309-2311.	1.4	45
85	Metalâ€Free Air Oxidation of Thiols in Recyclable Ionic Liquid: A Simple and Efficient Method for the Synthesis of Disulfides. European Journal of Organic Chemistry, 2010, 2010, 2661-2665.	2.4	44
86	On the investigation of hybrid quinones: synthesis, electrochemical studies and evaluation of trypanocidal activity. RSC Advances, 2015, 5, 78047-78060.	3.6	43
87	Electrochemical Oxidative C(sp²)â€“H Bond Selenylation of Activated Arenes. European Journal of Organic Chemistry, 2019, 2019, 6465-6469.	2.4	43
88	An Intramolecular Wittig Reaction Leading to Protected Terminal Acetylenes. Synthesis, 1984, 1984, 240-243.	2.3	42
89	Synthesis of ketene (S, Te)acetals and their transformation into Z-Î±-phenylthio-Î±,Î²-unsaturated aldehydes. Tetrahedron, 1999, 55, 7421-7432.	1.9	42
90	Synthesis of chalcogenol esters from chalcogenoacetylenes. Tetrahedron, 2001, 57, 3297-3300.	1.9	42

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91	Synthesis of 3â€Selenylindoles under EcoÂfriendly Conditions. European Journal of Organic Chemistry, 2015, 2015, 5070-5074.	2.4	42
92	Novel selenylated imidazo[1,2-a]pyridines for breast cancer chemotherapy: Inhibition of cell proliferation by Akt-mediated regulation, DNA cleavage and apoptosis. Biochemical and Biophysical Research Communications, 2018, 503, 1291-1297.	2.1	42
93	Electrochemical Selenation/Cyclization of Quinones: A Rapid, Green and Efficient Access to Functionalized Trypanocidal and Antitumor Compounds. European Journal of Organic Chemistry, 2020, 2020, 4474-4486.	2.4	42
94	Electrohalogenation of organic compounds. Organic and Biomolecular Chemistry, 2021, 19, 2578-2602.	2.8	42
95	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.	4.0	41
96	Copper(I)-Catalyzed Efficient and Stereoselective Synthesis of (E)-Vinyl Selenides and Tellurides by the Reaction of Potassium Vinyltrifluoroborates with Diphenyl Dichalcogenides. Organometallics, 2008, 27, 4009-4012.	2.3	41
97	Chiral Chalcogen Peptides as Ligands for the Catalytic Enantioselective Aryl Transfer Reaction to Aldehydes. European Journal of Organic Chemistry, 2010, 2010, 3574-3578.	2.4	41
98	An organic selenium compound attenuates apomorphine-induced stereotypy in mice. Neuroscience Letters, 2006, 410, 198-202.	2.1	40
99	Selenides and diselenides containing oxadiazoles: a new class of functionalised materials. Liquid Crystals, 2012, 39, 769-777.	2.2	40
100	Efficient synthesis of diorganyl selenides via cleavage of Seâ€“Se bond of diselenides by indium(III) catalyst and zinc. Tetrahedron Letters, 2006, 47, 7195-7198.	1.4	39
101	Ionic liquid: an efficient and recyclable medium for synthesis of unsymmetrical diorganyl selenides promoted by InI. Organic and Biomolecular Chemistry, 2009, 7, 4647.	2.8	39
102	Synthesis and Biological Evaluation of 2-Picolylamide-Based Diselenides with Non-Bonded Interactions. Molecules, 2015, 20, 10095-10109.	3.8	39
103	Synthesis of Functionalized Organoselenium Materials: Selenides and Diselenides Containing Cholesterol. European Journal of Organic Chemistry, 2015, 2015, 3470-3476.	2.4	39
104	Recent Advances in the Synthesis of Biologically Relevant Selenium-containing 5-Membered Heterocycles. Current Organic Chemistry, 2015, 20, 166-188.	1.6	39
105	Stereoconservative Formation and Reactivity of Î±-Chalcogen-Functionalized Vinyllithium Compounds from Î±-Bromo-vinylic Chalcogenides. Synlett, 1997, 1997, 595-596.	1.8	38
106	Synthesis of Î²-organotelluro vinylphosphine oxides by hydrotelluration of 1-alkynylphosphine oxides and their palladium-catalyzed cross-coupling with alkynes. Tetrahedron Letters, 2002, 43, 4399-4402.	1.4	38
107	Sonogashira cross-coupling reaction of organotellurium dichlorides with terminal alkynes. Tetrahedron Letters, 2003, 44, 1779-1781.	1.4	38
108	Catalytic enantioselective aryl transfer: asymmetric addition of boronic acids to aldehydes using pyrrolidinylmethanols as ligands. Tetrahedron Letters, 2005, 46, 7827-7830.	1.4	38

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109	Pro-oxidant action of diphenyl diselenide in the yeast Saccharomyces cerevisiae exposed to ROS-generating conditions. Life Sciences, 2005, 77, 2398-2411.	4.3	38
110	Novel pyrimidinic selenourea induces DNA damage, cell cycle arrest, and apoptosis in human breast carcinoma. European Journal of Medicinal Chemistry, 2018, 155, 503-515.	5.5	38
111	Stereospecific Formation of Chalcogenoenynes via Palladium Catalysed Cross-Coupling Reaction of Î±-Bromovinylic Chalcogenides. Synthesis, 1998, 1998, 39-41.	2.3	37
112	Fe₃O₄ Nanoparticles: A Robust and Magnetically Recoverable Catalyst for Direct Câ€H Bond Selenylation and Sulfenylation of Benzothiazoles. ChemistrySelect, 2018, 3, 328-334.	1.5	37
113	Borophosphate glasses: Synthesis, characterization and application as catalyst for bis(indolyl)methanes synthesis under greener conditions. Journal of Non-Crystalline Solids, 2018, 498, 153-159.	3.1	37
114	A simple and general preparation of vinylic sulfides, selenides and tellurides. Journal of Organometallic Chemistry, 2008, 693, 3787-3790.	1.8	36
115	K₂CO₃-mediated, direct Câ€“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.	3.6	36
116	Synthesis of Diorganyl Selenides Mediated by Zinc in Ionic Liquid. Journal of Organic Chemistry, 2010, 75, 3886-3889.	3.2	35
117	Copperâ€Catalyzed Threeâ€Component Reaction of Oxadiazoles, Elemental Se/S and Aryl Iodides: Synthesis of Chalcogenyl (Se/S)â€Oxadiazoles. ChemistrySelect, 2018, 3, 13191-13196.	1.5	35
118	Photoinduced, Direct C(sp²)â^'H Bond Azo Coupling of Imidazoheteroarenes and Imidazoanilines with Aryl Diazonium Salts Catalyzed by Eosinâ€…Y. Chemistry - A European Journal, 2020, 26, 4461-4466.	3.3	35
119	The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. Neurochemical Research, 2021, 46, 120-130.	3.3	35
120	New C 2 -symmetric chiral disulfide ligands derived from (R)-cysteine. Tetrahedron, 2001, 57, 3291-3295.	1.9	34
121	The facile synthesis of chiral oxazoline catalysts for the diethylzinc addition to aldehydes. Tetrahedron: Asymmetry, 2003, 14, 3291-3295.	1.8	34
122	Seleno-Imine: A New Class of Versatile, Modular N,Se Ligands for ÂAsymmetric Palladium-Catalyzed Allylic Alkylation. Synlett, 2005, 2005, 1675-1678.	1.8	34
123	Modular chiral Î²-selenium-, sulfur-, and tellurium amides: synthesis and application in the palladium-catalyzed asymmetric allylic alkylation. Tetrahedron, 2008, 64, 392-398.	1.9	34
124	A convenient synthetic route for alkynylselenides from alkynyl bromides and diaryl diselenides employing copper(I)/imidazole as novel catalyst system. Tetrahedron Letters, 2008, 49, 5172-5174.	1.4	34
125	Synthesis of selenium- and tellurium-containing nucleosides derived from uridine. Tetrahedron Letters, 2009, 50, 3005-3007.	1.4	34
126	An efficient synthesis of alkynyl selenides and tellurides from terminal acetylenes and diorganyl diselenides or ditellurides catalyzed by recyclable copper oxide nanopowder. Tetrahedron, 2012, 68, 10426-10430.	1.9	33

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127	Lightâ€Mediated Selenoâ€Functionalization of Organic Molecules: Recent Advances. Chemical Record, 2021, 21, 2739-2761.	5.8	33
128	Diethyl 2-phenyl-2 tellurophenyl vinylphosphonate: An organotellurium compound with low toxicity. Toxicology, 2006, 224, 100-107.	4.2	32
129	Pyrolysis of Î±-acyl,Î±,-thio phosphoranes â† thioacetylenes. Tetrahedron Letters, 1984, 25, 1111-1114.	1.4	31
130	First Generation Cysteine- and Methionine-Derived Oxazolidine and Thiazolidine Ligands for Palladium-Catalyzed Asymmetric Allylations. European Journal of Organic Chemistry, 2004, 2004, 2715-2722.	2.4	31
131	Acetylenic Selenides and Tellurides from 1-Bromo, 2-Phenyl Ethyne. Synthetic Communications, 1988, 18, 1979-1983.	2.1	30
132	Microwave-accelerated asymmetric allylations using cysteine derived oxazolidine and thiazolidine palladium complexes. Journal of Molecular Catalysis A, 2005, 239, 235-238.	4.8	30
133	Modular chiral thiazolidine catalysts in asymmetric aryl transfer reactions. Tetrahedron: Asymmetry, 2006, 17, 2793-2797.	1.8	30
134	Ephedrine-based diselenide: a promiscuous catalyst suitable to mimic the enzyme glutathione peroxidase (GPx) and to promote enantioselective Câ€“C coupling reactions. Organic and Biomolecular Chemistry, 2012, 10, 6595.	2.8	30
135	KIO₄â€mediated Selective Hydroxymethylation/Methylenation of Imidazoâ€Heteroarenes: A Greener Approach. Angewandte Chemie - International Edition, 2021, 60, 18454-18460.	13.8	30
136	Stereoselective synthesis of Î±-phenylchalcogeno-Î±,Î²-unsaturated esters. Tetrahedron Letters, 2002, 43, 3395-3397.	1.4	29
137	Preparation and nickel-catalyzed coupling reactions of divinylic selenides. Tetrahedron Letters, 2002, 43, 7517-7520.	1.4	29
138	Synthesis of Thiol Esters Using Nano CuO/Ionic Liquid as an Ecoâ€Friendly Reductive System Under Microwave Irradiation. European Journal of Organic Chemistry, 2013, 2013, 5188-5194.	2.4	29
139	Stereospecific formation of enynephosphonates via palladium-catalyzed cross-coupling reaction of Î²-organotelluro vinylphosphonates with alkynes. Tetrahedron Letters, 2001, 42, 8563-8565.	1.4	28
140	One-Pot Synthesis of New Chiral Sulfides and Selenides Containing OxazolidinesÂ: Catalyst in the Enantioselective Addition of Diethylzinc to BenzaldehydeÂ. Synthesis, 2002, 2002, 2338-2340.	2.3	28
141	Synthesis of new chiral imidazolidine disulfides derived from l-cystine and their application in the enantioselective addition of diethylzinc to aldehydes. Tetrahedron Letters, 2002, 43, 2335-2337.	1.4	28
142	Synthesis and application of chiral Î²â€amino disulfides as ligands for the enantioselective addition of diethylzinc to aldehydes. Chirality, 2008, 20, 839-845.	2.6	28
143	3â€²3-Ditrifluoromethyldiphenyl diselenide: A new organoselenium compound with interesting antigenotoxic and antimutagenic activities. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 673, 133-140.	1.7	28
144	Bimetallic system for the synthesis of diorganyl selenides and sulfides, chiral Î²-seleno amines, and seleno- and thioesters. Tetrahedron Letters, 2011, 52, 3592-3596.	1.4	28

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