

Francesca Marini

List of Publications by Year in descending order

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112
papers

3,087
citations

136940

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214788

47
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148
all docs

148
docs citations

148
times ranked

2001
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Synthesis of DiselenoBisBenzamides (DSeBAs) as Nucleocapsid Protein 7 (NCp7) Inhibitors with anti-HIV Activity. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9601-9614.	6.4	175
2	Asymmetric Azidoselenenylation of Alkenes: A Key Step for the Synthesis of Enantiomerically Enriched Nitrogen-Containing Compounds. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3131-3133.	13.8	120
3	Preparation of a New Chiral Non-Racemic Sulfur-Containing Diselenide and Applications in Asymmetric Synthesis. <i>Chemistry - A European Journal</i> , 2002, 8, 1118.	3.3	114
4	Organocatalytic Asymmetric α -Selenenylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6882-6885.	13.8	99
5	New nitrogen containing chiral diselenides: synthesis and asymmetric addition reactions to olefins. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 4645-4650.	1.8	81
6	Selenium Catalyzed Oxidation of Aldehydes: Green Synthesis of Carboxylic Acids and Esters. <i>Molecules</i> , 2015, 20, 10496-10510.	3.8	67
7	A New Stereoselective Synthesis of Cyclopropanes Containing Quaternary Stereocentres <i>via</i> Organocatalytic Michael Addition to Vinyl Selenones. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1801-1806.	4.3	64
8	Efficient asymmetric selenomethoxylation and selenohydroxylation of alkenes with a new sulfur containing chiral diselenide. <i>Tetrahedron Letters</i> , 2000, 41, 3241-3245.	1.4	59
9	A new vinyl selenone-based domino approach to spirocyclopropyl oxindoles endowed with anti-HIV RT activity. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2015-2024.	2.8	57
10	A Highly Enantioselective One-Pot Synthesis of Spirolactones by an Organocatalyzed Michael Addition/Cyclization Sequence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9382-9385.	13.8	56
11	Asymmetric selenomethoxylation of alkenes with camphorselenenyl sulfate. <i>Tetrahedron Letters</i> , 1998, 39, 2809-2812.	1.4	55
12	Efficient asymmetric selenocyclizations of alkenyl oximes into cyclic nitrones and 1,2-oxazines promoted by sulfur containing diselenides. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 3297-3304.	1.8	54
13	Asymmetric Synthesis of α -Alkyl α -Selenocarbonyl Compounds Catalyzed by Bifunctional Organocatalysts. <i>Organic Letters</i> , 2011, 13, 3052-3055.	4.6	54
14	Asymmetric oxyselenenylation-deselenenylation reactions of alkenes induced by camphor diselenide and ammonium persulfate. A convenient one-pot synthesis of enantiomerically enriched allylic alcohols and ethers. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 747-757.	1.8	49
15	New Halogen-Containing Drugs Approved by FDA in 2021: An Overview on Their Syntheses and Pharmaceutical Use. <i>Molecules</i> , 2022, 27, 1643.	3.8	48
16	Elimination reactions of terminal β -oxy selenoxides. Synthesis of aryl and vinyl enol ethers and of furans, oxazoles, and thiazoles. <i>Journal of Organic Chemistry</i> , 1993, 58, 1349-1354.	3.2	46
17	Ring-closure reactions of alkenyl oximes induced by persulfate anion oxidation of diphenyl diselenide. Formation of 1,2-oxazines and cyclic nitrones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1989.	0.9	45
18	A sulfur-containing diselenide as an efficient chiral reagent in asymmetric selenocyclization reactions. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1493-1502.	1.8	45

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19	Optically active isoxazolidines and 1,3-amino alcohols by asymmetric selenocyclization reactions of O-allyl oximes. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 3053-3059.	1.8	44
20	Enantioselective Organocatalytic Michael Addition of β -Substituted Cyanoacetates to α,β -Unsaturated Selenones. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 103-106.	4.3	44
21	Seleno-Functionalization of Quercetin Improves the Non-Covalent Inhibition of Mpro and Its Antiviral Activity in Cells against SARS-CoV-2. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7048.	4.1	44
22	One-pot synthesis of aziridines from vinyl selenones and variously functionalized primary amines. <i>Tetrahedron</i> , 2010, 66, 6851-6857.	1.9	42
23	Synthesis of enantiomerically enriched β -hydroxy selenides by catalytic asymmetric ring opening of meso-epoxides with (phenylseleno)silanes. <i>Tetrahedron</i> , 2008, 64, 3337-3342.	1.9	41
24	Ring-Closure Reactions through Intramolecular Displacement of the Phenylselenonyl Group by Nitrogen Nucleophiles: A New Stereospecific Synthesis of N-Tosyl and N-Benzoyl-1,3-oxazolidin-2-ones from β -Hydroxyalkyl Phenyl Selenides. <i>Chemistry - A European Journal</i> , 2004, 10, 1752-1764.	3.3	40
25	A Chiral Electrophilic Selenium Reagent To Promote the Kinetic Resolution of Racemic Allylic Alcohols. <i>Organic Letters</i> , 2004, 6, 4751-4753.	4.6	40
26	Intramolecular Nonbonding Interactions between Selenium and Sulfur – Spectroscopic Evidence and Importance in Asymmetric Synthesis. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4867-4873.	2.4	39
27	Selenium promoted synthesis of enantiopure pyrrolidines starting from chiral aminoalcohols. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2758-2767.	1.8	39
28	Electrophilic Azido Selenenylation of Alkenes. A Simple Synthetic Route to Racemic Taxol Side Chain. <i>Synthetic Communications</i> , 1998, 28, 2167-2179.	2.1	38
29	Synthesis of Substituted Se-Phenyl Selenocarboxylates from Terminal Alkynes. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3447-3458.	2.4	38
30	Enantioselective synthesis of heterocyclic compounds mediated by organoselenium reagents. <i>Arkivoc</i> , 2006, 2006, 186-206.	0.5	37
31	Selenium-Catalyzed Oxacyclization of Alkenoic Acids and Alkenols. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 988-992.	2.7	36
32	Asymmetric Amidoselenenylation of Alkenes Promoted by Camphorselenenyl Sulfate: A Useful Synthetic Route to Enantiopure Oxazolines. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3451-3457.	2.4	35
33	Oxidation of Diphenyl Diselenide with 2,3-Dichloro-5,6-dicyanobenzoquinone (DDQ). A New Method for the Electrophilic Phenylselenenylation of Alkenes under Mild Conditions. <i>Synlett</i> , 2001, 2001, 1767-1771.	1.8	35
34	Asymmetric synthesis of thioamido selenides. A simple synthetic route to enantiopure thiazolines. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 429-435.	1.8	34
35	Synthesis of enantiomerically pure substituted tetrahydrofurans from epoxides and phenylselenium reagents. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 405-412.	1.8	34
36	Stereocontrolled synthesis of substituted N-arenesulfonyl azetidines from β -(phenylseleno)alkyl arylsulfonamides. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3510.	2.8	33

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37	Synthesis of enantiomerically pure 1,4-dioxanes from alkenes promoted by organoselenium reagents. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1095-1102.	1.8	32
38	Vinyl selenones: annulation agents for the synthesis of six-membered benzo-1,4-heterocyclic compounds. <i>Tetrahedron</i> , 2013, 69, 481-486.	1.9	32
39	N-hydroxy $\hat{\imath}^3$ -lactams or cyclic N-hydroxy imidates from the organoselenium-induced cyclization of $\hat{\imath}^2, \hat{\imath}^3$ -unsaturated hydroxamic acids. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 221-222.	2.0	31
40	Selenium-promoted synthesis of enantiomerically pure substituted morpholines starting from alkenes and chiral aminoalcohols. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2651-2657.	1.8	29
41	Organocatalytic Michael addition of indanone carboxylates to vinyl selenone for the asymmetric synthesis of polycyclic pyrrolidines. <i>Tetrahedron</i> , 2012, 68, 10536-10541.	1.9	29
42	Stereoselective organoselenium-induced cyclization of N-allyl acethydrazides to 1,3,4-oxadiazines or N-acetyl pyrazolidines. <i>Tetrahedron</i> , 1996, 52, 11841-11848.	1.9	28
43	Synthesis of enantiomerically pure perhydrofuro[3,4-b]pyrans and perhydrofuro[3,4-b]furans. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1949-1955.	1.8	28
44	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 3239-3241.	2.0	27
45	Advances in Electrophilic Organochalcogen Reagents. <i>Current Organic Chemistry</i> , 2015, 20, 122-135.	1.6	27
46	Selenium Promoted Conversion of $\hat{\imath}^{\pm}$ -Substituted $\hat{\imath}^2, \hat{\imath}^3$ -Unsaturated Ketones into 2,3,5-Trisubstituted Furans. <i>Synlett</i> , 1994, 1994, 373-374.	1.8	25
47	Intramolecular addition of carbon radicals to aldehydes: synthesis of enantiopure tetrahydrofuran-3-ols. <i>Tetrahedron</i> , 2007, 63, 5482-5489.	1.9	25
48	Organocatalytic Asymmetric Synthesis and Use of Organoselenium Compounds. <i>Synlett</i> , 2012, 24, 11-19.	1.8	25
49	Selenium-promoted conversion of .beta.-diketones and .beta.-keto esters into .alpha.,.alpha.-dimethoxy .beta.-diketones and .alpha.,.alpha.-dimethoxy .beta.-keto esters. <i>Journal of Organic Chemistry</i> , 1991, 56, 5207-5210.	3.2	24
50	Organoselenium mediated asymmetric cyclizations. Synthesis of enantiomerically pure 1,6-dioxaspiro[4.4]nonanes. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2768-2774.	1.8	24
51	A Recyclable Biphasic System for Stereoselective and Easily Handled Hydrochalcogenations. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5968-5975.	2.4	24
52	Sweet Selenium: Synthesis and Properties of Selenium-Containing Sugars and Derivatives. <i>Pharmaceuticals</i> , 2020, 13, 211.	3.8	24
53	Pyrrolidinamine, piperidinamine and tetrahydropyridazine derivatives from selenium promoted cyclization of alkenyl phenylhydrazones. <i>Tetrahedron</i> , 1997, 53, 7311-7318.	1.9	23
54	Phenylselenenyl sulfate induced cyclization of allylhydrazines. Synthesis of pyrazole derivatives. <i>Tetrahedron</i> , 1997, 53, 4441-4446.	1.9	22

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55	Asymmetric Syntheses Promoted by Organoselenium Reagents. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 729-740.	1.6	22
56	Direct chromatographic enantioresolution of fully constrained β^2 -amino acids: exploring the use of high-molecular weight chiral selectors. Amino Acids, 2014, 46, 1235-1242.	2.7	22
57	Oxone-Mediated Oxidation of Vinyl Selenides in Water. European Journal of Organic Chemistry, 2018, 2018, 3914-3919.	2.4	22
58	Factors controlling the selenium-induced cyclizations of alkenyl hydrazines to pyridazine or pyrrolidinamine derivatives. Tetrahedron, 1997, 53, 10591-10602.	1.9	21
59	Asymmetric Selenohydroxylation of Alkenes with Camphorseelenenyl Sulfate. European Journal of Organic Chemistry, 1998, 1998, 2275-2277.	2.4	21
60	Synthesis of enantiomerically pure β^2 -azidoselenides starting from natural terpenes. Tetrahedron, 2007, 63, 12373-12378.	1.9	21
61	One-Pot Conversion of Alkenes into Oxazolines and Oxazolidin-2-Ones Promoted by Diphenyl Diselenide. Synthetic Communications, 1997, 27, 4131-4140.	2.1	20
62	Synthesis of β^3 -lactams via a domino Michael addition/cyclization reaction of vinyl selenone with substituted amides. Tetrahedron Letters, 2013, 54, 6755-6757.	1.4	20
63	1,4,2-Dioxazines or N-acyl isoxazolidines from organoselenium-induced cyclisation of O-allyl hydroxamic acids. Journal of the Chemical Society Chemical Communications, 1995, , 237.	2.0	19
64	Asymmetric aldol reactions from titanium enolates of β^1 -seleno ketones and esters. Tetrahedron: Asymmetry, 2004, 15, 783-791.	1.8	19
65	Synthesis of enantiomerically pure perhydrofuro[2,3-b]furans. Tetrahedron: Asymmetry, 2005, 16, 2429-2435.	1.8	19
66	Electrophilic phenylselenenylation of thiophenes. Synthesis of poly(phenylseleno)thiophenes.. Tetrahedron, 1994, 50, 10549-10554.	1.9	18
67	Continuous Bioinspired Oxidation of Sulfides. Molecules, 2020, 25, 2711.	3.8	18
68	Electrophilic 2-Thienylselenenylation of Thiophene. Preparation of Oligo(seleno-2,5-thienylenes). Tetrahedron, 2000, 56, 3255-3260.	1.9	17
69	A New Synthesis of β^1 -Phenylseleno β^3 -and β^1 -Lactones from Terminal Alkynes. Synlett, 2003, 2003, 0655-0658.	1.8	17
70	Fast and easy conversion of ortho amidoaryldiselenides into the corresponding ebselen-like derivatives driven by theoretical investigations. New Journal of Chemistry, 2020, 44, 9444-9451.	2.8	17
71	Recent advances in the chemistry of vinylchalcogenides. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 235-244.	1.6	16
72	Electrostatic attraction-repulsion model with Cinchona alkaloid-based zwitterionic chiral stationary phases exemplified for zwitterionic analytes. Analytica Chimica Acta, 2019, 1078, 212-220.	5.4	16

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73	Conjugated Additions of Selenium Containing Enolates to Enones - Enantioselective Synthesis of α -Oxo- β -Seleno Esters and Their Facile Transformations. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 543-551.	2.4	15
74	Short Synthesis of (R)- and (S)-4-Amino-3-Hydroxybutyric Acid (GABOB). <i>Synthesis</i> , 2005, 2005, 579-582.	2.3	15
75	Selenium Promoted Stereospecific One-Pot Conversion Of Cinnamyl Derivatives Into Oxazoles. A Simple Synthetic Route To Racemic Taxol Side Chain. <i>Synthetic Communications</i> , 1999, 29, 1773-1778.	2.1	14
76	A domino approach to pyrazino- indoles and pyrroles using vinyl selenones. <i>Tetrahedron</i> , 2018, 74, 7156-7163.	1.9	14
77	Synthesis of Spirooxindole Oxetanes Through a Domino Reaction of 3-Hydroxyoxindoles and Phenyl Vinyl Selenone. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5396-5401.	2.4	14
78	A three-component [3 + 2]-cycloaddition/elimination cascade for the synthesis of spirooxindole-pyrrolizines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 667-676.	2.8	13
79	A New Synthesis of α -Phenylseleno Esters and Acids from Terminal Alkynes. <i>Synlett</i> , 2001, 2001, 0706-0708.	1.8	12
80	Synthesis of selenoxides by oxidation of selenides with superoxide radical anions and 2-nitrobenzenesulfonyl chloride. <i>Tetrahedron Letters</i> , 2005, 46, 5165-5168.	1.4	12
81	Synthesis of β - and γ -Lactones from Alkynols. <i>Synlett</i> , 2006, 2006, 0587-0590.	1.8	11
82	Synthesis of Thiol Esters Using PhSZnBr as Sulfenylating Agent: A DFT-Guided Optimization of Reaction Conditions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2999-3005.	2.4	11
83	Modern Synthetic Strategies with Organoselenium Reagents: A Focus on Vinyl Selenones. <i>Molecules</i> , 2021, 26, 3148.	3.8	11
84	Synthesis of Selenium-Substituted Pyrroles and Pyrazol-3-ones. <i>Synlett</i> , 2009, 2009, 1118-1122.	1.8	10
85	Synthesis of oxazino[4,3-a]indoles by domino addition-cyclization reactions of (1H-indol-2-yl)methanols and vinyl selenones in the presence of 18-crown-6. <i>Tetrahedron</i> , 2016, 72, 7059-7064.	1.9	10
86	Solvent-free, uncatalyzed asymmetric α -alkylation reactions of N-tert-butylsulfinyl-3,3,3-trifluoroacetaldimines: a general approach to enantiomerically pure α -(trifluoromethyl)tryptamines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3930-3937.	2.8	10
87	Selenium Catalyzed Conversion of α -Phenyl- γ -alkenyl Oximes into 2-Phenylpyridines. <i>Heterocycles</i> , 1996, 43, 2679.	0.7	10
88	A simple synthesis of (R)-3-aminooctanoic acid (D-BAOA) from (S)-1-octyn-3-ol. <i>Tetrahedron Letters</i> , 2007, 48, 4343-4345.	1.4	9
89	On-water-thiolysis of epoxides promoted by PhSZnBr. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 671-676.	2.0	9
90	Kinetic Resolution of Allylic Alcohols Promoted by Electrophilic Selenium Reagents. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 1071-1075.	1.6	8

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91	Reaction of Acyl Chlorides with <i>In Situ</i> Formed Zinc Selenolates: Synthesis of Selenoesters versus Ring-Opening Reaction of Tetrahydrofuran. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	1.9	8
92	Zinc Chalcogenolates As Green Reagents. <i>Current Green Chemistry</i> , 2016, 3, 68-75.	1.1	6
93	Tellurium-promoted stereoselective hydrodebromination of 1,1-dibromoalkenes: synthesis of (E)-bromoalkenes. <i>RSC Advances</i> , 2016, 6, 103657-103661.	3.6	4
94	Glycerol as Precursor of Organoselanyl and Organotellanyl Alkynes. <i>Molecules</i> , 2017, 22, 391.	3.8	4
95	Vibrational and Electronic Circular Dichroism Study of Chiral Seleno Compounds Prepared from a Naphthol Based Diselenide. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	2
96	A Chiral Electrophilic Selenium Reagent to Promote the Kinetic Resolution of Racemic Allylic Alcohols.. <i>ChemInform</i> , 2005, 36, no.	0.0	1
97	Condensation of 2-aminomethylaniline with aldehydes and ketones for the fast one-pot synthesis of a library of 1,2,3,4-tetrahydroquinazolines under flow conditions. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 478-481.	1.2	1
98	Recent advances in selenium promoted or catalyzed electrophilic aminations of alkenes and alkynes. <i>Arkivoc</i> , 2020, 2019, 114-143.	0.5	1
99	A New Synthesis of α -Phenylseleno β - and γ -Lactones from Terminal Alkynes.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
100	Asymmetric Azidoselenenylation of Alkenes: A Key Step for the Synthesis of Enantiomerically Enriched Nitrogen-Containing Compounds.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
101	Selenium-Promoted Synthesis of Enantiomerically Pure Substituted Morpholines Starting from Alkenes and Chiral Aminoalcohols.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
102	Synthesis of Enantiomerically Pure Perhydrofuro[3,4-b]pyrans and Perhydrofuro[3,4-b]furans.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
103	Synthesis of Substituted Se-Phenyl Selenocarboxylates from Terminal Alkynes.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
104	Conjugated Additions of Selenium Containing Enolates to Enones α Enantioselective Synthesis of α -Oxo- α -Seleno Esters and Their Facile Transformations.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
105	Short Synthesis of (R)- and (S)-4-Amino-3-hydroxybutyric Acid (GABOB).. <i>ChemInform</i> , 2005, 36, no.	0.0	0
106	Synthesis of Selenoxides by Oxidation of Selenides with Superoxide Radical Anions and 2-Nitrobenzenesulfonyl Chloride.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
107	Synthesis of Enantiomerically Pure Perhydrofuro[2,3-b]furans.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
108	Synthesis of Pyrrolidinols by Radical Additions to Carbonyls Groups. <i>Proceedings (mdpi)</i> , 2019, 41, 20.	0.2	0

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109	Highlight on the reactivity of PhSeZnX, 0, , .		0
110	Kinetic resolution of 2-methoxycarbonylalk-3-enols through a stereoselective cyclofunctionalization promoted by an enantiomerically pure electrophilic selenium reagent. <i>Arkivoc</i> , 2017, 2017, 303-312.	0.5	0
111	Ultrasound mediated synthesis of ecofriendly zinc chalcogenates in "on water conditions". , 0, , .		0
112	Synthesis of organochalcogens: use of nonconventional solvents/reaction media. , 2022, , 147-192.		0