Thomas Wirth

List of Publications by Year
in descending order

249	13,671	13865 67	28297 105
papers	citations	h-index	g-index

377	377	377	6617
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sulfur-Based Chiral Iodoarenes: An Underexplored Class of Chiral Hypervalent Iodine Reagents. Synthesis, 2023, 55, 307-314.	2.3	3
2	Hypervalent Bromine(III) Compounds: Synthesis, Applications, Prospects. Synthesis, 2022, 54, 1261-1271.	2.3	9
3	Chiral Ligands in Hypervalent Iodine Compounds: Synthesis and Structures of Binaphthylâ€Based Î»³â€Iodanes. Chemistry - A European Journal, 2022, 28, e202103623.	3.3	4
4	Oxidation of BINOLs by Hypervalent Iodine Reagents: Facile Synthesis of Xanthenes and Lactones. Chemistry - A European Journal, 2022, 28, .	3.3	7
5	Zwitterionic iodonium species afford halogen bond-based porous organic frameworks. Chemical Science, 2022, 13, 5650-5658.	7.4	16
6	Biomimetic total synthesis of (â^')-galanthamine via intramolecular anodic arylâ€“phenol coupling. Organic and Biomolecular Chemistry, 2022, 20, 4123-4127.	2.8	5
7	Borane promoted aryl transfer reaction for the synthesis of Î±-aryl functionalised Î²-hydroxy and Î²-keto esters. Organic and Biomolecular Chemistry, 2022, 20, 4298-4302.	2.8	2
8	Selenium Reagents for Organic Synthesis. Current Organic Synthesis, 2022, 19, 291-292.	1.3	0
9	Electrochemical Deconstructive Functionalization of Cycloalkanols via Alkoxy Radicals Enabled by Proton-Coupled Electron Transfer. Organic Letters, 2022, 24, 3890-3895.	4.6	16
10	Chiral Iodotriptycenes: Synthesis and Catalytic Applications. ChemistryOpen, 2022, 11, .	1.9	3
11	Synthesis of Ajoene Analogues by Novel Synthetic Strategies. Chemistry - A European Journal, 2021, 27, 3008-3012.	3.3	1
12	Electrochemistry in Flow for Drug Discovery. Topics in Medicinal Chemistry, 2021, , 121-172.	0.8	2
13	Reactions promoted by hypervalent iodine reagents and boron Lewis acids. Organic and Biomolecular Chemistry, 2021, 19, 4852-4865.	2.8	29
14	Flow electrochemistry: a safe tool for fluorine chemistry. Chemical Science, 2021, 12, 9053-9059.	7.4	23
15	Electrochemical bromofunctionalization of alkenes in a flow reactor. Organic and Biomolecular Chemistry, 2021, 19, 6892-6896.	2.8	7
16	Câ^'N Axial Chiral Hypervalent Iodine Reagents: Catalytic Stereoselective Î±â€Oxytosylation of Ketones. Chemistry - A European Journal, 2021, 27, 4317-4321.	3.3	16
17	Chiral Triptycenes: Concepts, Progress and Prospects. Chemistry - A European Journal, 2021, 27, 7059-7068.	3.3	13
18	Recent Advances in the Electrochemical Synthesis of Organosulfur Compounds. Chemical Record, 2021, 21, 2526-2537.	5.8	34

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19	Flow Electrosynthesis of Sulfoxides, Sulfones, and Sulfoximines without Supporting Electrolytes. Journal of Organic Chemistry, 2021, 86, 15961-15972.	3.2	25
20	Iodine(III) mediators in electrochemical batch and flow reactions. Current Opinion in Electrochemistry, 2021, 28, 100701.	4.8	15
21	Recent Advances in Asymmetric Functionalization of Olefins Induced by Chiral Hypervalent Iodine Reagents. Chinese Journal of Organic Chemistry, 2021, 41, 65.	1.3	3
22	Short Total Synthesis of Ajoene, (E,Z)â€4,5,9â€Trithiadodecaâ€1,6,11â€triene 9â€oxide, in Batch and (E,Z)â€4,5,9â€Trithiadodecaâ€1,7,11â€triene in Continuous Flow. Chemistry - A European Journal, 2020, 26, 8363-8367.	3.3	4
23	Beschleunigung von zweiphasiger Biokatalyse durch neue Prozessfenster. Angewandte Chemie, 2020, 132, 16632.	2.0	2
24	Accelerating Biphasic Biocatalysis through New Process Windows. Angewandte Chemie - International Edition, 2020, 59, 16490-16495.	13.8	11
25	Accelerating Electrochemical Synthesis through Automated Flow: Efficient Synthesis of Chalcogenophosphites. Synlett, 2020, 31, 1894-1898.	1.8	15
26	Automated Electrochemical Selenenylations. Synthesis, 2020, 52, 1751-1761.	2.3	22
27	Hypervalent Iodine(III)â€Catalysed Enantioselective Î±â€Acetoxylation of Ketones. Chemistry - A European Journal, 2020, 26, 10417-10421.	3.3	20
28	1,3-Carboboration of iodonium ylides. Chemical Communications, 2020, 56, 3345-3348.	4.1	12
29	Immobilised Enzymes for Sesquiterpene Synthesis in Batch and Flow Systems. ChemCatChem, 2020, 12, 2194-2197.	3.7	10
30	Selective Hydroborationâ€“Oxidation of Terminal Alkenes under Flow Conditions. Chemistry - A European Journal, 2020, 26, 11423-11425.	3.3	9
31	Selenium and Tellurium Electrophiles in Organic Synthesis. Physical Sciences Reviews, 2019, 4, .	0.8	5
32	Reactions of hydrazones and hydrazides with Lewis acidic boranes. Dalton Transactions, 2019, 48, 12391-12395.	3.3	4
33	â€œDarkâ€•Singlet Oxygen Made Easy. Chemistry - A European Journal, 2019, 25, 12486-12490.	3.3	18
34	Manganese-Catalyzed Electrochemical Deconstructive Chlorination of Cycloalkanols via Alkoxy Radicals. Organic Letters, 2019, 21, 9241-9246.	4.6	75
35	Memory of Chirality in Flow Electrochemistry: Fast Optimisation with DoE and Online 2Dâ€HPLC. Chemistry - A European Journal, 2019, 25, 16230-16235.	3.3	34
36	Electroorganic Synthesis under Flow Conditions. Accounts of Chemical Research, 2019, 52, 3287-3296.	15.6	189

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37	Selenium reagents as catalysts. Catalysis Science and Technology, 2019, 9, 1073-1091.	4.1	145
38	Morpholin-2-one Derivatives via Intramolecular Acid-Catalyzed Hydroamination. Synthesis, 2019, 51, 1643-1648.	2.3	3
39	Synthesis, characterisation, and reactivity of novel pseudocyclic hypervalent iodine reagents with heteroaryl carbonyl substituents. Chemical Communications, 2019, 55, 7998-8000.	4.1	15
40	2-Iodoxybenzoic acid ditriflate: the most powerful hypervalent iodine(<scp>v</scp>) oxidant. Chemical Communications, 2019, 55, 7760-7763.	4.1	23
41	Structurally Defined Î±-Tetralol-Based Chiral Hypervalent Iodine Reagents. Journal of Organic Chemistry, 2019, 84, 8674-8682.	3.2	14
42	Innentitelbild: Metallfreie Tandemâ€Umlagerung/Lactonisierung: Zugang zu 3,3â€disubstituierten Benzofuranâ€2â€(3H)â€onen (Angew. Chem. 23/2019). Angewandte Chemie, 2019, 131, 7578-7578.	2.0	0
43	Elektrochemischer Durchlaufgenerator fÃ¼r hypervalente Iodreagenzien: Synthetische Anwendungen. Angewandte Chemie, 2019, 131, 9916-9920.	2.0	22
44	Continuousâ€Flow Electrochemical Generator of Hypervalent Iodine Reagents: Synthetic Applications. Angewandte Chemie - International Edition, 2019, 58, 9811-9815.	13.8	106
45	Metallfreie Tandemâ€Umlagerung/Lactonisierung: Zugang zu 3,3â€disubstituierten Benzofuranâ€2â€(3 H)â€onen. Angewandte Chemie, 2019, 131, 7943-7947.	2.0	14
46	Metalâ€Free Tandem Rearrangement/Lactonization: Access to 3,3â€Disubstituted Benzofuranâ€2â€(3H)â€ones. Angewandte Chemie - International Edition, 2019, 58, 7861-7865.	13.8	47
47	Meet the Board of ChemistryOpen : Thomas Wirth. ChemistryOpen, 2019, 8, 251-251.	1.9	0
48	Efficient Flow Electrochemical Alkoxylation of Pyrrolidine-1-carbaldehyde. Synlett, 2019, 30, 1183-1186.	1.8	12
49	Flow Synthesis of Iodonium Trifluoroacetates through Direct Oxidation of Iodoarenes by OxoneÂ®. European Journal of Organic Chemistry, 2019, 2019, 2081-2088.	2.4	18
50	7. Selenium and Tellurium Electrophiles in Organic Synthesis. , 2019, , 243-300.		5
51	Efficient Electrosynthesis of Thiazolidinâ€2â€imines via Oxysulfurization of Thioureaâ€Tethered Terminal Alkenes Using the Flow Microreactor. European Journal of Organic Chemistry, 2019, 2019, 1371-1376.	2.4	32
52	Enantioselective Electrochemical Lactonization Using Chiral Iodoarenes as Mediators. Synthesis, 2019, 51, 276-284.	2.3	47
53	Safe Use of Hazardous Chemicals in Flow. Topics in Heterocyclic Chemistry, 2018, , 343-373.	0.2	3
54	Selective Oxidation of Sulfides in Flow Chemistry. European Journal of Organic Chemistry, 2018, 2018, 2134-2137.	2.4	26

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55	Reactions of 1â€Arylbenziodoxolones with Azide Anion: Experimental and Computational Study of Substituent Effects. European Journal of Organic Chemistry, 2018, 2018, 640-647.	2.4	9
56	Concise synthesis of artemisinin from a farnesyl diphosphate analogue. Bioorganic and Medicinal Chemistry, 2018, 26, 1314-1319.	3.0	27
57	Iodine Monoacetate for Efficient Oxyiodinations of Alkenes and Alkynes. Synlett, 2018, 29, 415-418.	1.8	11
58	Catalystâ€and Supportingâ€Electrolyteâ€Free Electrosynthesis of Benzothiazoles and Thiazolopyridines in Continuous Flow. Chemistry - A European Journal, 2018, 24, 487-491.	3.3	107
59	Mechanochemical synthesis of N-tert-butanesulfinyl imines under metal-free conditions. Tetrahedron, 2018, 74, 3101-3106.	1.9	8
60	Frontispiece: Hypervalent Iodine Reagents by Anodic Oxidation: A Powerful Green Synthesis. Chemistry - A European Journal, 2018, 24, .	3.3	1
61	Hypervalent Iodine Reagents by Anodic Oxidation: A Powerful Green Synthesis. Chemistry - A European Journal, 2018, 24, 13399-13407.	3.3	88
62	Short Total Synthesis of Ajoene. Angewandte Chemie - International Edition, 2018, 57, 12290-12293.	13.8	27
63	Preparation and X-ray structure of 2-iodoxybenzenesulfonic acid (IBS) â€“ a powerful hypervalent iodine(V) oxidant. Beilstein Journal of Organic Chemistry, 2018, 14, 1854-1858.	2.2	12
64	Alternative Strategies with Iodine: Fast Access to Previously Inaccessible Iodine(III) Compounds. Angewandte Chemie - International Edition, 2018, 57, 8306-8309.	13.8	21
65	Alternative Strategien mit Iod: schneller Zugang zu bisher unzugÃnglichen Iod(III)â€Verbindungen. Angewandte Chemie, 2018, 130, 8438-8442.	2.0	8
66	One-pot synthesis of diaryliodonium salts from arenes and aryl iodides with Oxoneâ€“sulfuric acid. Beilstein Journal of Organic Chemistry, 2018, 14, 849-855.	2.2	25
67	Eine kurze Totalsynthese von Ajoen. Angewandte Chemie, 2018, 130, 12470-12473.	2.0	7
68	Enantioselective Synthesis of transâ€2,3â€Dihydroâ€1Hâ€indoles Through Câ€“H Insertion of Î±â€Diazocarbonyl Compounds. European Journal of Organic Chemistry, 2017, 2017, 1889-1893.	2.4	18
69	An Efficient Chemoenzymatic Synthesis of Dihydroartemisinic Aldehyde. Angewandte Chemie - International Edition, 2017, 56, 4347-4350.	13.8	46
70	Facile One-Pot Synthesis of Diaryliodonium Salts from Arenes and Aryl Iodides with Oxone. ChemistryOpen, 2017, 6, 18-20.	1.9	18
71	Cyclization of Malonate Derivatives with Iodine(III) Reagents. European Journal of Organic Chemistry, 2017, 2017, 786-789.	2.4	4
72	Perspectives in flow electrochemistry. Journal of Flow Chemistry, 2017, 7, 94-95.	1.9	55

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73	An Easyâ€toâ€Machine Electrochemical Flow Microreactor: Efficient Synthesis of Isoindolinone and Flow Functionalization. Angewandte Chemie - International Edition, 2017, 56, 15446-15450.	13.8	142
74	Ein einfach herzustellender elektrochemischer Flussmikroreaktor: effiziente Isoindolinonâ€Synthese und Funktionalisierung im Fluss. Angewandte Chemie, 2017, 129, 15648-15653.	2.0	37
75	Electron-Deficient Chiral Lactic Acid-Based Hypervalent Iodine Reagents. Journal of Organic Chemistry, 2017, 82, 11872-11876.	3.2	32
76	Effiziente chemoenzymatische Synthese von Dihydroartemisinaldehyd. Angewandte Chemie, 2017, 129, 4411-4415.	2.0	17
77	Integration of Flow Chemistry in Multistep Syntheses. European Journal of Organic Chemistry, 2017, 2017, 6464-6464.	2.4	1
78	Acid-Catalyzed Tandem Process for the One-Pot Synthesis of Oxazolidines. Synlett, 2017, 28, 2976-2978.	1.8	6
79	Iodoaminations of Alkenes. Synthesis, 2017, 49, 981-986.	2.3	17
80	Optimising Terpene Synthesis with Flow Biocatalysis. European Journal of Organic Chemistry, 2017, 2017, 414-418.	2.4	28
81	Novel Organic Synthesis through Ultrafast Chemistry. Angewandte Chemie - International Edition, 2017, 56, 682-684.	13.8	38
82	Ethyl Lithiodiazoacetate: Extremely Unstable Intermediate Handled Efficiently in Flow. Chemistry - A European Journal, 2016, 22, 11940-11942.	3.3	18
83	Frontispiece: Stereoselective Ketone Rearrangements with Hypervalent Iodine Reagents. Chemistry - A European Journal, 2016, 22, .	3.3	0
84	GegensÃtzliche ReaktivitÃt frustrierter Lewisâ€Paare mit Selenâ€und Borâ€basierten Lewisâ€SÃuren. Angewandte Chemie, 2016, 128, 11462-11465.	2.0	5
85	Safe use of nitromethane for aldol reactions in flow. Journal of Flow Chemistry, 2016, 6, 202-205.	1.9	8
86	Thioamination of Alkenes with Hypervalent Iodine Reagents. Chemistry - A European Journal, 2016, 22, 1614-1617.	3.3	46
87	Enantioselective Oxidative Rearrangements with Chiral Hypervalent Iodine Reagents. Chemistry - A European Journal, 2016, 22, 4030-4035.	3.3	78
88	A Simple Setup for Transfer Hydrogenations in Flow Chemistry. Synlett, 2016, 27, 1832-1835.	1.8	10
89	Contrasting Frustrated Lewis Pair Reactivity with Seleniumâ€and Boronâ€Based Lewis Acids. Angewandte Chemie - International Edition, 2016, 55, 11292-11295.	13.8	34
90	Stereoselective Ketone Rearrangements with Hypervalent Iodine Reagents. Chemistry - A European Journal, 2016, 22, 16072-16077.	3.3	37

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91	Toward a Large-Scale Approach to Milnacipran Analogues Using Diazo Compounds in Flow Chemistry. Organic Process Research and Development, 2016, 20, 495-502.	2.7	44
92	Flow Alkylation of Thiols, Phenols, and Amines Using a Heterogenous Base in a Packed-Bed Reactor. Journal of Flow Chemistry, 2015, 5, 65-68.	1.9	7
93	Solidâ€Supported Iodonium Salts for Fluorinations. European Journal of Organic Chemistry, 2015, 2015, 6909-6916.	2.4	15
94	Small Organoselenium Compounds: More than just Glutathione Peroxidase Mimics. Angewandte Chemie - International Edition, 2015, 54, 10074-10076.	13.8	102
95	[¹⁸F]6â€fluoroâ€3,4â€dihydroxyâ€•<scp>l</scp>â€phenylalanine â€“ recent modern syntheses for an elusive radiotracer. Journal of Labelled Compounds and Radiopharmaceuticals, 2015, 58, 183-187.	1.0	27
96	Selenium-Mediated Synthesis of Tetrasubstituted Naphthalenes through Rearrangement. Molecules, 2015, 20, 10866-10872.	3.8	5
97	Synthesis of New Chiral Diaryliodonium Salts. Synlett, 2015, 26, 1573-1577.	1.8	15
98	Convenient Synthesis of Diaryliodonium Salts for the Production of [¹⁸F]Fâ€DOPA. European Journal of Organic Chemistry, 2015, 2015, 625-630.	2.4	29
99	Asymmetric Synthesis with Hypervalent Iodine Reagents. Topics in Current Chemistry, 2015, 373, 243-261.	4.0	43
100	Rapid Generation and Safe Use of Carbenes Enabled by a Novel Flow Protocol with Inâ€line IR spectroscopy. Chemistry - A European Journal, 2015, 21, 7016-7020.	3.3	46
101	Diazo Compounds in Continuousâ€Flow Technology. ChemSusChem, 2015, 8, 245-250.	6.8	135
102	Electrochemical Synthesis in Microreactors. Journal of Flow Chemistry, 2015, 4, 2-11.	1.9	101
103	Safe Generation and Direct Use of Diazoesters in Flow Chemistry. Synlett, 2014, 25, 871-875.	1.8	23
104	Rapid Electrochemical Deprotection of the Isonicotinyloxycarbonyl Group from Carbonates and Thiocarbonates in a Microfluidic Reactor. Organic Process Research and Development, 2014, 18, 1377-1381.	2.7	33
105	Difluoroâ€•and Trifluoromethylation of Electronâ€Deficient Alkenes in an Electrochemical Microreactor. ChemistryOpen, 2014, 3, 23-28.	1.9	72
106	Hypervalent Iodineâ€Catalyzed Oxidative Functionalizations Including Stereoselective Reactions. Chemistry - an Asian Journal, 2014, 9, 950-971.	3.3	288
107	Flexible Stereoselective Functionalizations of Ketones through Umpolung with Hypervalent Iodine Reagents. Angewandte Chemie - International Edition, 2014, 53, 5993-5997.	13.8	146
108	Synthesis and Antioxidant Activities of Novel Chiral Ebselen Analogues. Heteroatom Chemistry, 2014, 25, 320-325.	0.7	26

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109	Highâ€Temperature Synthesis of Amides from Alcohols or Aldehydes by Using Flow Chemistry. European Journal of Organic Chemistry, 2014, 2014, 7590-7593.	2.4	19
110	Organocatalytic Stereoselective Iodoamination of Alkenes. Chemistry - A European Journal, 2014, 20, 13113-13116.	3.3	58
111	Enantioselective Diamination with Novel Chiral Hypervalent Iodine Catalysts. Chemistry - A European Journal, 2014, 20, 9910-9913.	3.3	107
112	Stereoselective Rearrangements with Chiral Hypervalent Iodine Reagents. Angewandte Chemie - International Edition, 2013, 52, 7018-7022.	13.8	150
113	Oxidative Rearrangements with Hypervalent Iodine Reagents. Synthesis, 2013, 45, 2499-2511.	2.3	44
114	Efficient Terpene Synthase Catalysis by Extraction in Flow. ChemPlusChem, 2013, 78, 1334-1337.	2.8	13
115	Homogeneous Reactions. , 2013, , 101-132.		2
116	Fabrication of Microreactors Made from Metals and Ceramic. , 2013, , 35-51.		3
117	Automation in Microreactor Systems. , 2013, , 81-100.		8
118	Flow Chemistry in Undergraduate Organic Chemistry Education. Journal of Chemical Education, 2013, 90, 934-936.	2.3	31
119	Hypervalent Iodine Reagents as Powerful Electrophiles. Synlett, 2013, 24, 424-431.	1.8	105
120	Hypervalent iodine/TEMPO-mediated oxidation in flow systems: a fast and efficient protocol for alcohol oxidation. Beilstein Journal of Organic Chemistry, 2013, 9, 1437-1442.	2.2	22
121	Flow Synthesis of Symmetrical Di- and Trisulfides Using Phase-Transfer Catalysis. Journal of Flow Chemistry, 2013, 3, 118-121.	1.9	10
122	CHAPTER 10.2. Current Research on Mimics and Models of Seleniumâ€Containing Antioxidants. , 2013, , 25-46.		6
123	Hypervalent Iodine Mediated Oxidative Cyclization of o-Hydroxystilbenes into Benzo- and Naphthofurans. Synthesis, 2012, 44, 1171-1177.	2.3	58
124	Facile Oxidative Rearrangements Using Hypervalent Iodine Reagents. ChemistryOpen, 2012, 1, 245-250.	1.9	66
125	Selenenylations of alkenes with styrene nucleophiles. Tetrahedron, 2012, 68, 10573-10576.	1.9	23
126	Stereoselective selenium catalyzed dihydroxylation and hydroxymethoxylation of alkenes. Tetrahedron, 2012, 68, 10530-10535.	1.9	76

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127	Highly Stereoselective Metalâ€Free Oxyaminations Using Chiral Hypervalent Iodine Reagents. Angewandte Chemie - International Edition, 2012, 51, 3462-3465.	13.8	239
128	Ritter Reactions in Flow. ChemSusChem, 2012, 5, 257-260.	6.8	23
129	Flow Chemistry: Enabling Technology in Drug Discovery and Process Research. ChemSusChem, 2012, 5, 215-216.	6.8	19
130	Selenium-containing naphthalimides as anticancer agents: Design, synthesis and bioactivity. Bioorganic and Medicinal Chemistry, 2012, 20, 2558-2563.	3.0	56
131	New Selenium Electrophiles and Their Reactivity. , 2011, , 41-55.		8
132	Selenium-Catalyzed Regioselective Cyclization of Unsaturated Carboxylic Acids Using Hypervalent Iodine Oxidants. Organic Letters, 2011, 13, 6504-6507.	4.6	122
133	Selenium-Stabilized Carbanions. , 2011, , 147-189.		1
134	A practical microreactor for electrochemistry in flow. Beilstein Journal of Organic Chemistry, 2011, 7, 1108-1114.	2.2	93
135	Preparation of Novel Chiral Nonâ€Racemic Diselenides and Applications in Asymmetric Synthesis. European Journal of Organic Chemistry, 2011, 2011, 176-182.	2.4	15
136	Asymmetric Methoxyselenenylations with Chiral Selenium Electrophiles. European Journal of Organic Chemistry, 2011, 2011, 7080-7082.	2.4	18
137	Intelligent Microflow: Development of Selfâ€Optimizing Reaction Systems. Angewandte Chemie - International Edition, 2011, 50, 357-358.	13.8	79
138	Triptycene Derivatives: Synthesis and Applications. Chemistry Letters, 2010, 39, 658-667.	1.3	75
139	Diselenideâ€and Disulfideâ€Mediated Synthesis of Isocoumarins. European Journal of Organic Chemistry, 2010, 2010, 3465-3472.	2.4	78
140	Synthesis of New Sulfoxideâ€Containing Diselenides and Unexpected Cyclization Reactions to 2,3â€Dihydroâ€1,4â€benzoselenothiine 1â€Oxides. European Journal of Organic Chemistry, 2010, 2010, 3934-3944.	2.4	35
141	A Versatile and Highly Reactive Polyfluorinated Hypervalent Iodine(III) Compound. Angewandte Chemie - International Edition, 2010, 49, 2786-2789.	13.8	61
142	Novel cyclization cascades to functionalized indanes and tetrahydronaphthalenes. Tetrahedron, 2010, 66, 6639-6646.	1.9	16
143	New chiral hypervalent iodine(V) compounds as stoichiometric oxidants. Tetrahedron, 2010, 66, 5902-5907.	1.9	38
144	Molecular imprinted polymers binding low functionality templates. Tetrahedron Letters, 2010, 51, 5883-5885.	1.4	5

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145	Safe and Efficient Ritter Reactions in Flow. Synlett, 2010, 2010, 3099-3103.	1.8	4
146	Selenium-Mediated Synthesis of Biaryls through Rearrangement. Organic Letters, 2010, 12, 1364-1367.	4.6	76
147	Synthesis of New Enantiomerically Pure Organoiodine Catalysts and Their Application in the Î±-Functionalization of Ketones. Synthesis, 2010, 2010, 1023-1029.	2.3	13
148	Controlling hazardous chemicals in microreactors: Synthesis with iodine azide. Beilstein Journal of Organic Chemistry, 2009, 5, 30.	2.2	77
149	Recent Advances in Organoselenium Chemistry. European Journal of Organic Chemistry, 2009, 2009, 1649-1664.	2.4	227
150	Hypervalent Bromine Compounds: Smaller, More Reactive Analogues of Hypervalent Iodine Compounds. Angewandte Chemie - International Edition, 2009, 48, 1018-1020.	13.8	34
151	Fast Synthesis of Benzofluorenes by Seleniumâ€Mediated Carbocyclizations. Angewandte Chemie - International Edition, 2009, 48, 2588-2591.	13.8	54
152	Green Chemistry with Selenium Reagents: Development of Efficient Catalytic Reactions. Angewandte Chemie - International Edition, 2009, 48, 8409-8411.	13.8	311
153	Heck reactions using segmented flow conditions. Tetrahedron Letters, 2009, 50, 3352-3355.	1.4	88
154	Synthesis of Indene Derivatives via Electrophilic Cyclization. Organic Letters, 2009, 11, 229-231.	4.6	82
155	Synthesis of Chiral Acetals by Asymmetric Selenenylations. Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 1374-1385.	1.6	9
156	Iodoxolone-Based Hypervalent Iodine Reagents. Organic Letters, 2009, 11, 3578-3581.	4.6	51
157	Effect of segmented fluid flow, sonication and phase transfer catalysis on biphasic reactions in capillary microreactors. Chemical Engineering Journal, 2008, 135, S280-S283.	12.7	75
158	Catalytic Enantioselective Î±â€Oxysulfonylation of Ketones Mediated by Iodoarenes. European Journal of Organic Chemistry, 2008, 2008, 5315-5328.	2.4	116
159	Catalytic Addition-Elimination Reactions Towards Butenolides. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 1026-1035.	1.6	23
160	Advanced organic synthesis using microreactor technology. Organic and Biomolecular Chemistry, 2007, 5, 733-740.	2.8	307
161	Catalytic Use of Selenium Electrophiles in Cyclizations. Organic Letters, 2007, 9, 3169-3171.	4.6	151
162	Hypervalent Iodine-Mediated Aziridination of Alkenes: Mechanistic Insights and Requirements for Catalysis. Chemistry - A European Journal, 2007, 13, 6745-6754.	3.3	91

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163	Tetrafluoroâ€ÐBA andâ€ÐBX: Hypervalent Iodine Reagents. Angewandte Chemie - International Edition, 2007, 46, 6529-6532.	13.8	99
164	Hypervalent Iodine Goes Catalytic. Angewandte Chemie - International Edition, 2006, 45, 4402-4404.	13.8	406
165	Enhancement of Reaction Rates by Segmented Fluid Flow in Capillary Scale Reactors. Advanced Synthesis and Catalysis, 2006, 348, 1043-1048.	4.3	133
166	Simple Direct Synthesis of [Bis(trifluoroacetoxy)iodo]arenes. Synthesis, 2006, 2006, 3153-3155.	2.3	5
167	Electrochemical Generation and Catalytic Use of Selenium Electrophiles. Synlett, 2006, 2006, 251-254.	1.8	15
168	New Developments with Chiral Electrophilic Selenium Reagents. Current Organic Chemistry, 2006, 10, 1893-1903.	1.6	73
169	Fluorinations of ?-Seleno Carboxylic Acid Derivatives with Hypervalent (Difluoroiodo)toluene. European Journal of Organic Chemistry, 2005, 2005, 395-403.	2.4	50
170	Hypervalent Iodine Chemistry in Synthesis: Scope and New Directions. Angewandte Chemie - International Edition, 2005, 44, 3656-3665.	13.8	701
171	Iodine Monochloride-Amine Complexes: An Experimental and Computational Approach to New Chiral Electrophiles. Chemistry - A European Journal, 2005, 11, 5777-5785.	3.3	69
172	Nucleophile-Selective Selenocyclizations.. ChemInform, 2005, 36, no.	0.0	0
173	Tetrahydrofuranylation of Alcohols Using Hypervalent Iodine Reagents.. ChemInform, 2005, 36, no.	0.0	0
174	Fluorinations of Î±-Seleno Carboxylic Acid Derivatives with Hypervalent (Difluoroiodo)toluene.. ChemInform, 2005, 36, no.	0.0	0
175	Solvent-Free Reactions with Hypervalent Iodine Reagents.. ChemInform, 2005, 36, no.	0.0	0
176	Synthesis of a Selenium-Substituted Diselenide.. ChemInform, 2005, 36, no.	0.0	0
177	Hypervalent Iodine Chemistry in Synthesis: Scope and New Directions. ChemInform, 2005, 36, no.	0.0	0
178	Direct Bromination and Iodination of Non-Activated Alkanes by Hypohalite Reagents. Synthesis, 2005, 2005, 1473-1478.	2.3	8
179	Synthesis of a Selenium-Substituted Diselenide. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 659-666.	1.6	13
180	Solvent-Free Reactions with Hypervalent Iodine Reagents. Organic Letters, 2005, 7, 519-521.	4.6	77

#	Article	IF	Citations
181	Tetrahydrofuranylation of Alcohols Using Hypervalent Iodine Reagents. Synlett, 2004, 2004, 2291-2294.	1.8	17
182	Selenocyclizations: Control by Coordination and by the Counterion. Angewandte Chemie - International Edition, 2004, 43, 631-633.	13.8	57
183	Nucleophile-Selective Selenocyclizations. European Journal of Organic Chemistry, 2004, 2004, 4567-4581.	2.4	24
184	Oxidations and Rearrangements. ChemInform, 2004, 35, no.	0.0	0
185	Direct Iodination of Alkanes.. ChemInform, 2004, 35, no.	0.0	0
186	Selenocyclizations: Control by Coordination and by the Counterion.. ChemInform, 2004, 35, no.	0.0	0
187	Iodine Electrophiles in Stereoselective Reactions: Recent Developments and Synthetic Applications. ChemInform, 2004, 35, no.	0.0	0
188	Iodine electrophiles in stereoselective reactions: recent developments and synthetic applications. Chemical Society Reviews, 2004, 33, 354.	38.1	242
189	Reactivity, Chemoselectivity, and Diastereoselectivity of the Oxyfunctionalization of Chiral Allylic Alcohols and Derivatives in Microemulsions: Comparison of the Chemical Oxidation by the Hydrogen Peroxide/Sodium Molybdate System with the Photooxygenation. Journal of the American Chemical Society, 2004, 126, 10692-10700.	13.7	41
190	Direct Iodination of Alkanes. Organic Letters, 2003, 5, 4729-4731.	4.6	49
191	Oxidations and Rearrangements. Topics in Current Chemistry, 2003, , 185-208.	4.0	34
192	Novel Lactonization with Phenonium Ion Participation Induced by Hypervalent Iodine Reagents. Organic Letters, 2003, 5, 2157-2159.	4.6	118
193	Introduction and General Aspects. Topics in Current Chemistry, 2003, , 1-4.	4.0	25
194	Cyclopropanation of alkenes using hypervalent iodine reagents. Arkivoc, 2003, 2003, 164-169.	0.5	17
195	A cellular model for Friedreich Ataxia reveals small-molecule glutathione peroxidase mimetics as novel treatment strategy. Human Molecular Genetics, 2002, 11, 3055-3063.	2.9	93
196	Reagent-Controlled Stereoselective Iodolactonizations. Organic Letters, 2002, 4, 297-300.	4.6	116
197	New and Efficient Chiral Selenium Electrophiles. Chemistry - A European Journal, 2002, 8, 1125.	3.3	70
198	Novel Polymer-Bound Chiral Selenium Electrophiles. Organic Letters, 2001, 3, 2931-2933.	4.6	74

#	Article	IF	Citations
199	Hypervalentes Iod. Nachrichten Aus Der Chemie, 2001, 49, 1450-1450.	0.0	0
200	Chiral Hypervalent Organo-Iodine(III) Compounds. European Journal of Organic Chemistry, 2001, 2001, 1569-1579.	2.4	150
201	IBXâ€"New Reactions with an Old Reagent. Angewandte Chemie - International Edition, 2001, 40, 2812-2814.	13.8	194
202	Mixed Acetals as New Precursors for Selenium Electrophiles. Phosphorus, Sulfur and Silicon and the Related Elements, 2001, 172, 189-194.	1.6	4
203	Oxygen and Osmiumâ€"A New Alliance for Dihydroxylations?. Angewandte Chemie - International Edition, 2000, 39, 334-335.	13.8	84
204	Organoselenium Chemistry in Stereoselective Reactions. Angewandte Chemie - International Edition, 2000, 39, 3740-3749.	13.8	219
205	Theoretical Investigations on the Stereoselective Selenenylation Reaction of Alkenes. Journal of the American Chemical Society, 2000, 122, 10914-10916.	13.7	50
206	Introduction and General Aspects. Topics in Current Chemistry, 2000, , 1-5.	4.0	30
207	Hypervalent Iodine Compounds: Recent Advances in Synthetic Applications. Synthesis, 1999, 1999, 1271-1287.	2.3	217
208	Chiral selenium compounds in organic synthesis. Tetrahedron, 1999, 55, 1-28.	1.9	272
209	Synthesis of non-racemic nitrogen-containing diselenides as efficient precursor catalysts in the diethylzinc addition to benzaldehyde. Tetrahedron: Asymmetry, 1999, 10, 1019-1023.	1.8	64
210	Origin of Stereoselectivities in Asymmetric Alkoxyselenenylations. Journal of the American Chemical Society, 1999, 121, 8567-8576.	13.7	52
211	Chiral Diselenides in Asymmetric Cyclization Reactions. European Journal of Organic Chemistry, 1998, 1998, 1361-1369.	2.4	50
212	Catalytic asymmetric oxyselenenylationâ€"elimination reactions using chiral selenium compounds. Tetrahedron: Asymmetry, 1998, 9, 547-550.	1.8	94
213	Synthesis of a new chiral nitrogen containing diselenide as a precursor for selenium electrophiles. Tetrahedron: Asymmetry, 1998, 9, 3625-3628.	1.8	44
214	Mechanistic Course of the Asymmetric Methoxyselenenylation Reaction. Journal of the American Chemical Society, 1998, 120, 3376-3381.	13.7	112
215	New and efficient selenium reagents for stereoselective selenenylation reactions. Chemical Communications, 1998, , 1867-1868.	4.1	71
216	New Chiral Hypervalent Iodine Compounds in Asymmetric Synthesis. Journal of Organic Chemistry, 1998, 63, 7674-7679.	3.2	150

#	Article	IF	Citations
217	Stereoselective Isoquinoline Alkaloid Synthesis with New Diselenides. Synthesis, 1998, 1998, 162-166.	2.3	37
218	Asymmetric Synthesis with Chiral Diselenides. Phosphorus, Sulfur and Silicon and the Related Elements, 1998, 136, 235-238.	1.6	5
219	Glutathione Peroxidase-like Activities of Oxygen-Containing Diselenides. Molecules, 1998, 3, 164-166.	3.8	108
220	Chiral hypervalent iodine compounds. Tetrahedron: Asymmetry, 1997, 8, 23-26.	1.8	103
221	New Strategies toÎ±-AlkylatedÎ±-Amino Acids. Angewandte Chemie International Edition in English, 1997, 36, 225-227.	4.4	171
222	Neue Strategien zu Î±â€alkylierten Î±â€AminosÃuren. Angewandte Chemie, 1997, 109, 235-237.	2.0	26
223	First Total Synthesis of (+)â€Membrine. Liebigs Annalen, 1997, 1997, 1155-1158.	0.8	23
224	Chiral Selenium Compounds: Versatile Reagents in Organic Synthesis. Liebigs Annalen, 1997, 1997, 2189-2196.	0.8	43
225	Asymmetric Addition Reactions with Optimized Selenium Electrophiles. Chemistry - A European Journal, 1997, 3, 1894-1902.	3.3	112
226	Chiral Diselenides in the Total Synthesis of (+)-Samin. Journal of Organic Chemistry, 1996, 61, 2686-2689.	3.2	71
227	Chiral Diselenides from Benzylamines: Catalysts in the Diethylzinc Addition to Aldehydes. Helvetica Chimica Acta, 1996, 79, 1957-1966.	1.6	82
228	Asymmetrische Umsetzung von Arylalkenen mit Diseleniden. Angewandte Chemie, 1995, 107, 1872-1873.	2.0	52
229	Asymmetric Reaction of Arylalkenes with Diselenides. Angewandte Chemie International Edition in English, 1995, 34, 1726-1728.	4.4	119
230	Enantioselective alkylation of aldehydes catalyzed by new chiral diselenides. Tetrahedron Letters, 1995, 36, 7849-7852.	1.4	102
231	Direct Asymmetric .alpha.-Alkylation of Phenylalanine Derivatives Using No External Chiral Sources. Journal of the American Chemical Society, 1994, 116, 10809-10810.	13.7	79
232	Direct Conversion of Sugar Glycosides into Carbocycles. , 0, , 1-14.		1
233	New and Selective Transition Metal Catalyzed Reactions of Allenes. , 0, , 56-67.		6
234	Bryostatin and Their Analogues. , 0, , 307-316.		3

#	Article	IF	Citations
235	The Asymmetric Baylis-Hillman-Reaction. , 0, , 165-177.		9
236	Asymmetric Phase Transfer Catalysis. , 0, , 125-133.		6
237	Synthesis of Diaryl Ethers: A Long-Standing Problem Has Been Solved. , 0, , 15-21.		4
238	Take the Right Catalyst: Palladium-Catalyzed CC, CN and CO-Bond Formation on Chloro-Arenes. , 0, , 22-26.		0
239	Merging Solid-Phase and Solution-Phase Synthesis: Theâ€œResin-Capture-Releaseâ€•Hybrid Technique. , 0, , 265-279.		2
240	Polymeric Scavenger Reagents in Organic Synthesis. , 0, , 280-296.		0
241	Total Syntheses of Vancomycin. , 0, , 297-306.		4
242	Eleutherobin: Synthesis, Structure/Activity Relationship, and Pharmacophore. , 0, , 317-325.		4
243	Total Synthesis of the Natural Products CP-263,114 and CP-225,917. , 0, , 326-341.		1
244	Short Syntheses of the Spirotryprostatins. , 0, , 360-367.		4
245	The Chemical Total Synthesis of Proteins. , 0, , 368-383.		4
246	Properties and Use of Microreactors. , 0, , 43-57.		4
247	Industrial Microreactor Process Development up to Production. , 0, , 211-275.		14
248	Organic Chemistry in Microreactors. , 0, , 59-209.		7
249	Fabrication and Assembling of Microreactors Made from Glass and Silicon. , 0, , 19-41.		5