Thomas Wirth

List of Publications by Year
in descending order

249 papers	13,671 citations	13865 67 h-index	28297 105 g-index
377 all docs	377 docs citations	377 times ranked	6617 citing authors

#	Article	IF	Citations
1	Hypervalent Iodine Chemistry in Synthesis: Scope and New Directions. Angewandte Chemie - International Edition, 2005, 44, 3656-3665.	13.8	701
2	Hypervalent Iodine Goes Catalytic. Angewandte Chemie - International Edition, 2006, 45, 4402-4404.	13.8	406
3	Green Chemistry with Selenium Reagents: Development of Efficient Catalytic Reactions. Angewandte Chemie - International Edition, 2009, 48, 8409-8411.	13.8	311
4	Advanced organic synthesis using microreactor technology. Organic and Biomolecular Chemistry, 2007, 5, 733-740.	2.8	307
5	Hypervalent Iodineâ€Catalyzed Oxidative Functionalizations Including Stereoselective Reactions. Chemistry - an Asian Journal, 2014, 9, 950-971.	3.3	288
6	Chiral selenium compounds in organic synthesis. Tetrahedron, 1999, 55, 1-28.	1.9	272
7	Iodine electrophiles in stereoselective reactions: recent developments and synthetic applications. Chemical Society Reviews, 2004, 33, 354.	38.1	242
8	Highly Stereoselective Metalâ€Free Oxyaminations Using Chiral Hypervalent Iodine Reagents. Angewandte Chemie - International Edition, 2012, 51, 3462-3465.	13.8	239
9	Recent Advances in Organoselenium Chemistry. European Journal of Organic Chemistry, 2009, 2009, 1649-1664.	2.4	227
10	Organoselenium Chemistry in Stereoselective Reactions. Angewandte Chemie - International Edition, 2000, 39, 3740-3749.	13.8	219
11	Hypervalent Iodine Compounds: Recent Advances in Synthetic Applications. Synthesis, 1999, 1999, 1271-1287.	2.3	217
12	IBXâ€"New Reactions with an Old Reagent. Angewandte Chemie - International Edition, 2001, 40, 2812-2814.	13.8	194
13	Electroorganic Synthesis under Flow Conditions. Accounts of Chemical Research, 2019, 52, 3287-3296.	15.6	189
14	New Strategies toÎ±-AlkylatedÎ±-Amino Acids. Angewandte Chemie International Edition in English, 1997, 36, 225-227.	4.4	171
15	Catalytic Use of Selenium Electrophiles in Cyclizations. Organic Letters, 2007, 9, 3169-3171.	4.6	151
16	New Chiral Hypervalent Iodine Compounds in Asymmetric Synthesis. Journal of Organic Chemistry, 1998, 63, 7674-7679.	3.2	150
17	Chiral Hypervalent Organo-Iodine(III) Compounds. European Journal of Organic Chemistry, 2001, 2001, 1569-1579.	2.4	150
18	Stereoselective Rearrangements with Chiral Hypervalent Iodine Reagents. Angewandte Chemie - International Edition, 2013, 52, 7018-7022.	13.8	150

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19	Flexible Stereoselective Functionalizations of Ketones through Umpolung with Hypervalent Iodine Reagents. Angewandte Chemie - International Edition, 2014, 53, 5993-5997.	13.8	146
20	Selenium reagents as catalysts. Catalysis Science and Technology, 2019, 9, 1073-1091.	4.1	145
21	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
22	Diazo Compounds in Continuousâ€Flow Technology. ChemSusChem, 2015, 8, 245-250.	6.8	135
23	Enhancement of Reaction Rates by Segmented Fluid Flow in Capillary Scale Reactors. Advanced Synthesis and Catalysis, 2006, 348, 1043-1048.	4.3	133
24	Selenium-Catalyzed Regioselective Cyclization of Unsaturated Carboxylic Acids Using Hypervalent Iodine Oxidants. Organic Letters, 2011, 13, 6504-6507.	4.6	122
25	Asymmetric Reaction of Arylalkenes with Diselenides. Angewandte Chemie International Edition in English, 1995, 34, 1726-1728.	4.4	119
26	Novel Lactonization with Phenonium Ion Participation Induced by Hypervalent Iodine Reagents. Organic Letters, 2003, 5, 2157-2159.	4.6	118
27	Reagent-Controlled Stereoselective Iodolactonizations. Organic Letters, 2002, 4, 297-300.	4.6	116
28	Catalytic Enantioselective Î±â€Oxysulfonylation of Ketones Mediated by Iodoarenes. European Journal of Organic Chemistry, 2008, 2008, 5315-5328.	2.4	116
29	Asymmetric Addition Reactions with Optimized Selenium Electrophiles. Chemistry - A European Journal, 1997, 3, 1894-1902.	3.3	112
30	Mechanistic Course of the Asymmetric Methoxyselenenylation Reaction. Journal of the American Chemical Society, 1998, 120, 3376-3381.	13.7	112
31	Glutathione Peroxidase-like Activities of Oxygen-Containing Diselenides. Molecules, 1998, 3, 164-166.	3.8	108
32	Enantioselective Diamination with Novel Chiral Hypervalent Iodine Catalysts. Chemistry - A European Journal, 2014, 20, 9910-9913.	3.3	107
33	Catalystâ€•and Supportingâ€Electrolyteâ€Free Electrosynthesis of Benzothiazoles and Thiazolopyridines in Continuous Flow. Chemistry - A European Journal, 2018, 24, 487-491.	3.3	107
34	Continuousâ€Flow Electrochemical Generator of Hypervalent Iodine Reagents: Synthetic Applications. Angewandte Chemie - International Edition, 2019, 58, 9811-9815.	13.8	106
35	Hypervalent Iodine Reagents as Powerful Electrophiles. Synlett, 2013, 24, 424-431.	1.8	105
36	Chiral hypervalent iodine compounds. Tetrahedron: Asymmetry, 1997, 8, 23-26.	1.8	103

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37	Enantioselective alkylation of aldehydes catalyzed by new chiral diselenides. Tetrahedron Letters, 1995, 36, 7849-7852.	1.4	102
38	Small Organoselenium Compounds: More than just Glutathione Peroxidase Mimics. Angewandte Chemie - International Edition, 2015, 54, 10074-10076.	13.8	102
39	Electrochemical Synthesis in Microreactors. Journal of Flow Chemistry, 2015, 4, 2-11.	1.9	101
40	Tetrafluoroâ€•BA andâ€•BX: Hypervalent Iodine Reagents. Angewandte Chemie - International Edition, 2007, 46, 6529-6532.	13.8	99
41	Catalytic asymmetric oxyselenenylationâ€"elimination reactions using chiral selenium compounds. Tetrahedron: Asymmetry, 1998, 9, 547-550.	1.8	94
42	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
43	A practical microreactor for electrochemistry in flow. Beilstein Journal of Organic Chemistry, 2011, 7, 1108-1114.	2.2	93
44	Hypervalent Iodine-Mediated Aziridination of Alkenes: Mechanistic Insights and Requirements for Catalysis. Chemistry - A European Journal, 2007, 13, 6745-6754.	3.3	91
45	Heck reactions using segmented flow conditions. Tetrahedron Letters, 2009, 50, 3352-3355.	1.4	88
46	Hypervalent Iodine Reagents by Anodic Oxidation: A Powerful Green Synthesis. Chemistry - A European Journal, 2018, 24, 13399-13407.	3.3	88
47	Oxygen and Osmiumâ€"A New Alliance for Dihydroxylations?. Angewandte Chemie - International Edition, 2000, 39, 334-335.	13.8	84
48	Chiral Diselenides from Benzylamines: Catalysts in the Diethylzinc Addition to Aldehydes. Helvetica Chimica Acta, 1996, 79, 1957-1966.	1.6	82
49	Synthesis of Indene Derivatives via Electrophilic Cyclization. Organic Letters, 2009, 11, 229-231.	4.6	82
50	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
51	Intelligent Microflow: Development of Selfâ€Optimizing Reaction Systems. Angewandte Chemie - International Edition, 2011, 50, 357-358.	13.8	79
52	Diselenideâ€•and Disulfideâ€Mediated Synthesis of Isocoumarins. European Journal of Organic Chemistry, 2010, 2010, 3465-3472.	2.4	78
53	Enantioselective Oxidative Rearrangements with Chiral Hypervalent Iodine Reagents. Chemistry - A European Journal, 2016, 22, 4030-4035.	3.3	78
54	Solvent-Free Reactions with Hypervalent Iodine Reagents. Organic Letters, 2005, 7, 519-521.	4.6	77

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55	Controlling hazardous chemicals in microreactors: Synthesis with iodine azide. Beilstein Journal of Organic Chemistry, 2009, 5, 30.	2.2	77
56	Selenium-Mediated Synthesis of Biaryls through Rearrangement. Organic Letters, 2010, 12, 1364-1367.	4.6	76
57	Stereoselective selenium catalyzed dihydroxylation and hydroxymethoxylation of alkenes. Tetrahedron, 2012, 68, 10530-10535.	1.9	76
58	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
59	Triptycene Derivatives: Synthesis and Applications. Chemistry Letters, 2010, 39, 658-667.	1.3	75
60	Manganese-Catalyzed Electrochemical Deconstructive Chlorination of Cycloalkanols via Alkoxy Radicals. Organic Letters, 2019, 21, 9241-9246.	4.6	75
61	Novel Polymer-Bound Chiral Selenium Electrophiles. Organic Letters, 2001, 3, 2931-2933.	4.6	74
62	New Developments with Chiral Electrophilic Selenium Reagents. Current Organic Chemistry, 2006, 10, 1893-1903.	1.6	73
63	Difluoroâ€•and Trifluoromethylation of Electronâ€Deficient Alkenes in an Electrochemical Microreactor. ChemistryOpen, 2014, 3, 23-28.	1.9	72
64	Chiral Diselenides in the Total Synthesis of (+)-Samin. Journal of Organic Chemistry, 1996, 61, 2686-2689.	3.2	71
65	New and efficient selenium reagents for stereoselective selenenylation reactions. Chemical Communications, 1998, , 1867-1868.	4.1	71
66	New and Efficient Chiral Selenium Electrophiles. Chemistry - A European Journal, 2002, 8, 1125.	3.3	70
67	Iodine Monochloride-Amine Complexes: An Experimental and Computational Approach to New Chiral Electrophiles. Chemistry - A European Journal, 2005, 11, 5777-5785.	3.3	69
68	Facile Oxidative Rearrangements Using Hypervalent Iodine Reagents. ChemistryOpen, 2012, 1, 245-250.	1.9	66
69	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
70	A Versatile and Highly Reactive Polyfluorinated Hypervalent Iodine(III) Compound. Angewandte Chemie - International Edition, 2010, 49, 2786-2789.	13.8	61
71	Hypervalent Iodine Mediated Oxidative Cyclization of o-Hydroxystilbenes into Benzo- and Naphthofurans. Synthesis, 2012, 44, 1171-1177.	2.3	58
72	Organocatalytic Stereoselective Iodoamination of Alkenes. Chemistry - A European Journal, 2014, 20, 13113-13116.	3.3	58

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73	Selenocyclizations: Control by Coordination and by the Counterion. Angewandte Chemie - International Edition, 2004, 43, 631-633.	13.8	57
74	Selenium-containing naphthalimides as anticancer agents: Design, synthesis and bioactivity. Bioorganic and Medicinal Chemistry, 2012, 20, 2558-2563.	3.0	56
75	Perspectives in flow electrochemistry. Journal of Flow Chemistry, 2017, 7, 94-95.	1.9	55
76	Fast Synthesis of Benzofluorenes by Seleniumâ€Mediated Carbocyclizations. Angewandte Chemie - International Edition, 2009, 48, 2588-2591.	13.8	54
77	Asymmetrische Umsetzung von Arylalkenen mit Diseleniden. Angewandte Chemie, 1995, 107, 1872-1873.	2.0	52
78	Origin of Stereoselectivities in Asymmetric Alkoxyselenenylations. Journal of the American Chemical Society, 1999, 121, 8567-8576.	13.7	52
79	Iodoxolone-Based Hypervalent Iodine Reagents. Organic Letters, 2009, 11, 3578-3581.	4.6	51
80	Chiral Diselenides in Asymmetric Cyclization Reactions. European Journal of Organic Chemistry, 1998, 1998, 1361-1369.	2.4	50
81	Theoretical Investigations on the Stereoselective Selenenylation Reaction of Alkenes. Journal of the American Chemical Society, 2000, 122, 10914-10916.	13.7	50
82	Fluorinations of ?-Seleno Carboxylic Acid Derivatives with Hypervalent (Difluoroiodo)toluene. European Journal of Organic Chemistry, 2005, 2005, 395-403.	2.4	50
83	Direct Iodination of Alkanes. Organic Letters, 2003, 5, 4729-4731.	4.6	49
84	Metalâ€Free Tandem Rearrangement/Lactonization: Access to 3,3â€Disubstituted Benzofuranâ€2â€(3<i>H</i>)â€ones. Angewandte Chemie - International Edition, 2019, 58, 7861-7865.	13.8	47
85	Enantioselective Electrochemical Lactonization Using Chiral Iodoarenes as Mediators. Synthesis, 2019, 51, 276-284.	2.3	47
86	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
87	Thioamination of Alkenes with Hypervalent Iodine Reagents. Chemistry - A European Journal, 2016, 22, 1614-1617.	3.3	46
88	An Efficient Chemoenzymatic Synthesis of Dihydroartemisinic Aldehyde. Angewandte Chemie - International Edition, 2017, 56, 4347-4350.	13.8	46
89	Synthesis of a new chiral nitrogen containing diselenide as a precursor for selenium electrophiles. Tetrahedron: Asymmetry, 1998, 9, 3625-3628.	1.8	44
90	Oxidative Rearrangements with Hypervalent Iodine Reagents. Synthesis, 2013, 45, 2499-2511.	2.3	44

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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	Chiral Selenium Compounds: Versatile Reagents in Organic Synthesis. Liebigs Annalen, 1997, 1997, 2189-2196.	0.8	43
93	Asymmetric Synthesis with Hypervalent Iodine Reagents. Topics in Current Chemistry, 2015, 373, 243-261.	4.0	43
94	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
95	New chiral hypervalent iodine(V) compounds as stoichiometric oxidants. Tetrahedron, 2010, 66, 5902-5907.	1.9	38
96	Novel Organic Synthesis through Ultrafast Chemistry. Angewandte Chemie - International Edition, 2017, 56, 682-684.	13.8	38
97	Stereoselective Isoquinoline Alkaloid Synthesis with New Diselenides. Synthesis, 1998, 1998, 162-166.	2.3	37
98	Stereoselective Ketone Rearrangements with Hypervalent Iodine Reagents. Chemistry - A European Journal, 2016, 22, 16072-16077.	3.3	37
99	Ein einfach herzustellender elektrochemischer Flussmikroreaktor: effiziente Isoindolinonâ€Synthese und Funktionalisierung im Fluss. Angewandte Chemie, 2017, 129, 15648-15653.	2.0	37
100	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
101	Oxidations and Rearrangements. Topics in Current Chemistry, 2003, , 185-208.	4.0	34
102	Hypervalent Bromine Compounds: Smaller, More Reactive Analogues of Hypervalent Iodine Compounds. Angewandte Chemie - International Edition, 2009, 48, 1018-1020.	13.8	34
103	Contrasting Frustrated Lewis Pair Reactivity with Seleniumâ€and Boronâ€Based Lewis Acids. Angewandte Chemie - International Edition, 2016, 55, 11292-11295.	13.8	34
104	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
105	Recent Advances in the Electrochemical Synthesis of Organosulfur Compounds. Chemical Record, 2021, 21, 2526-2537.	5.8	34
106	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
107	Electron-Deficient Chiral Lactic Acid-Based Hypervalent Iodine Reagents. Journal of Organic Chemistry, 2017, 82, 11872-11876.	3.2	32
108	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

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109	Flow Chemistry in Undergraduate Organic Chemistry Education. Journal of Chemical Education, 2013, 90, 934-936.	2.3	31
110	Introduction and General Aspects. Topics in Current Chemistry, 2000, , 1-5.	4.0	30
111	Convenient Synthesis of Diaryliodonium Salts for the Production of [¹⁸F]Fâ€DOPA. European Journal of Organic Chemistry, 2015, 2015, 625-630.	2.4	29
112	Reactions promoted by hypervalent iodine reagents and boron Lewis acids. Organic and Biomolecular Chemistry, 2021, 19, 4852-4865.	2.8	29
113	Optimising Terpene Synthesis with Flow Biocatalysis. European Journal of Organic Chemistry, 2017, 2017, 414-418.	2.4	28
114	[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
115	Concise synthesis of artemisinin from a farnesyl diphosphate analogue. Bioorganic and Medicinal Chemistry, 2018, 26, 1314-1319.	3.0	27
116	Short Total Synthesis of Ajoene. Angewandte Chemie - International Edition, 2018, 57, 12290-12293.	13.8	27
117	Neue Strategien zu Î±â€alkylierten Î±â€AminosÃuren. Angewandte Chemie, 1997, 109, 235-237.	2.0	26
118	Synthesis and Antioxidant Activities of Novel Chiral Ebselen Analogues. Heteroatom Chemistry, 2014, 25, 320-325.	0.7	26
119	Selective Oxidation of Sulfides in Flow Chemistry. European Journal of Organic Chemistry, 2018, 2018, 2134-2137.	2.4	26
120	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
121	Flow Electrosynthesis of Sulfoxides, Sulfones, and Sulfoximines without Supporting Electrolytes. Journal of Organic Chemistry, 2021, 86, 15961-15972.	3.2	25
122	Introduction and General Aspects. Topics in Current Chemistry, 2003, , 1-4.	4.0	25
123	Nucleophile-Selective Selenocyclizations. European Journal of Organic Chemistry, 2004, 2004, 4567-4581.	2.4	24
124	First Total Synthesis of (+)â€Membrine. Liebigs Annalen, 1997, 1997, 1155-1158.	0.8	23
125	Catalytic Addition-Elimination Reactions Towards Butenolides. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 1026-1035.	1.6	23
126	Selenenylations of alkenes with styrene nucleophiles. Tetrahedron, 2012, 68, 10573-10576.	1.9	23

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127	Ritter Reactions in Flow. ChemSusChem, 2012, 5, 257-260.	6.8	23
128	Safe Generation and Direct Use of Diazoesters in Flow Chemistry. Synlett, 2014, 25, 871-875.	1.8	23
129	2-Iodoxybenzoic acid ditriflate: the most powerful hypervalent iodine(<scp>v</scp>) oxidant. Chemical Communications, 2019, 55, 7760-7763.	4.1	23
130	Flow electrochemistry: a safe tool for fluorine chemistry. Chemical Science, 2021, 12, 9053-9059.	7.4	23
131	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
132	Elektrochemischer Durchlaufgenerator fÃ¼r hypervalente Iodreagenzien: Synthetische Anwendungen. Angewandte Chemie, 2019, 131, 9916-9920.	2.0	22
133	Automated Electrochemical Selenenylations. Synthesis, 2020, 52, 1751-1761.	2.3	22
134	Alternative Strategies with Iodine: Fast Access to Previously Inaccessible Iodine(III) Compounds. Angewandte Chemie - International Edition, 2018, 57, 8306-8309.	13.8	21
135	Hypervalent Iodine(III)â€Catalysed Enantioselective Î±â€Acetoxylation of Ketones. Chemistry - A European Journal, 2020, 26, 10417-10421.	3.3	20
136	Flow Chemistry: Enabling Technology in Drug Discovery and Process Research. ChemSusChem, 2012, 5, 215-216.	6.8	19
137	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
138	Asymmetric Methoxyselenenylations with Chiral Selenium Electrophiles. European Journal of Organic Chemistry, 2011, 2011, 7080-7082.	2.4	18
139	Ethyl Lithiodiazoacetate: Extremely Unstable Intermediate Handled Efficiently in Flow. Chemistry - A European Journal, 2016, 22, 11940-11942.	3.3	18
140	Enantioselective Synthesis of <i>trans</i>â€2,3â€Dihydroâ€1<i>H</i>â€indoles Through Câ€"H Insertion of Î±â€Diazocarbonyl Compounds. European Journal of Organic Chemistry, 2017, 2017, 1889-1893.	2.4	18
141	Facile One-Pot Synthesis of Diaryliodonium Salts from Arenes and Aryl Iodides with Oxone. ChemistryOpen, 2017, 6, 18-20.	1.9	18
142	â€œDarkâ€•Singlet Oxygen Made Easy. Chemistry - A European Journal, 2019, 25, 12486-12490.	3.3	18
143	Flow Synthesis of Iodonium Trifluoroacetates through Direct Oxidation of Iodoarenes by OxoneÂ®. European Journal of Organic Chemistry, 2019, 2019, 2081-2088.	2.4	18
144	Tetrahydrofuranylation of Alcohols Using Hypervalent Iodine Reagents. Synlett, 2004, 2004, 2291-2294.	1.8	17

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145	Effiziente chemoenzymatische Synthese von Dihydroartemisinaldehyd. Angewandte Chemie, 2017, 129, 4411-4415.	2.0	17
146	Iodoaminations of Alkenes. Synthesis, 2017, 49, 981-986.	2.3	17
147	Cyclopropanation of alkenes using hypervalent iodine reagents. Arkivoc, 2003, 2003, 164-169.	0.5	17
148	Novel cyclization cascades to functionalized indanes and tetrahydronaphthalenes. Tetrahedron, 2010, 66, 6639-6646.	1.9	16
149	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
150	Zwitterionic iodonium species afford halogen bond-based porous organic frameworks. Chemical Science, 2022, 13, 5650-5658.	7.4	16
151	Electrochemical Deconstructive Functionalization of Cycloalkanols via Alkoxy Radicals Enabled by Proton-Coupled Electron Transfer. Organic Letters, 2022, 24, 3890-3895.	4.6	16
152	Electrochemical Generation and Catalytic Use of Selenium Electrophiles. Synlett, 2006, 2006, 251-254.	1.8	15
153	Preparation of Novel Chiral Nonâ€Racemic Diselenides and Applications in Asymmetric Synthesis. European Journal of Organic Chemistry, 2011, 2011, 176-182.	2.4	15
154	Solidâ€Supported Iodonium Salts for Fluorinations. European Journal of Organic Chemistry, 2015, 2015, 6909-6916.	2.4	15
155	Synthesis of New Chiral Diaryliodonium Salts. Synlett, 2015, 26, 1573-1577.	1.8	15
156	Synthesis, characterisation, and reactivity of novel pseudocyclic hypervalent iodine reagents with heteroaryl carbonyl substituents. Chemical Communications, 2019, 55, 7998-8000.	4.1	15
157	Accelerating Electrochemical Synthesis through Automated Flow: Efficient Synthesis of Chalcogenophosphites. Synlett, 2020, 31, 1894-1898.	1.8	15
158	Iodine(III) mediators in electrochemical batch and flow reactions. Current Opinion in Electrochemistry, 2021, 28, 100701.	4.8	15
159	Industrial Microreactor Process Development up to Production. , 0, , 211-275.		14
160	Structurally Defined Î±-Tetralol-Based Chiral Hypervalent Iodine Reagents. Journal of Organic Chemistry, 2019, 84, 8674-8682.	3.2	14
161	Metallfreie Tandemâ€Umlagerung/Lactonisierung: Zugang zu 3,3â€disubstituierten Benzofuranâ€2â€(3 H)â€onen. Angewandte Chemie, 2019, 131, 7943-7947.	2.0	14
162	Synthesis of a Selenium-Substituted Diselenide. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 659-666.	1.6	13

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163	Synthesis of New Enantiomerically Pure Organoiodine Catalysts and Their Application in the Î±-Functionalization of Ketones. Synthesis, 2010, 2010, 1023-1029.	2.3	13
164	Efficient Terpene Synthase Catalysis by Extraction in Flow. ChemPlusChem, 2013, 78, 1334-1337.	2.8	13
165	Chiral Triptycenes: Concepts, Progress and Prospects. Chemistry - A European Journal, 2021, 27, 7059-7068.	3.3	13
166	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
167	Efficient Flow Electrochemical Alkoxylation of Pyrrolidine-1-carbaldehyde. Synlett, 2019, 30, 1183-1186.	1.8	12
168	1,3-Carboboration of iodonium ylides. Chemical Communications, 2020, 56, 3345-3348.	4.1	12
169	Iodine Monoacetate for Efficient Oxyiodinations of Alkenes and Alkynes. Synlett, 2018, 29, 415-418.	1.8	11
170	Accelerating Biphasic Biocatalysis through New Process Windows. Angewandte Chemie - International Edition, 2020, 59, 16490-16495.	13.8	11
171	Flow Synthesis of Symmetrical Di- and Trisulfides Using Phase-Transfer Catalysis. Journal of Flow Chemistry, 2013, 3, 118-121.	1.9	10
172	A Simple Setup for Transfer Hydrogenations in Flow Chemistry. Synlett, 2016, 27, 1832-1835.	1.8	10
173	Immobilised Enzymes for Sesquiterpene Synthesis in Batch and Flow Systems. ChemCatChem, 2020, 12, 2194-2197.	3.7	10
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