

Vronique Gouverneur

List of Publications by Citations

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208
papers

15,808
citations

58
h-index

121
g-index

252
ext. papers

17,864
ext. citations

10
avg, IF

6.93
L-index

#	Paper	IF	Citations
208	Fluorine in medicinal chemistry. <i>Chemical Society Reviews</i> , 2008 , 37, 320-30	58.5	4980
207	(18)F-Labeling of Arenes and Heteroarenes for Applications in Positron Emission Tomography. <i>Chemical Reviews</i> , 2016 , 116, 719-66	68.1	450
206	Catalytic hydrotrifluoromethylation of unactivated alkenes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2505-8	16.4	373
205	Organocatalyzed enantioselective fluorocyclizations. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 8105-9	16.4	334
204	Transition metal catalysis and nucleophilic fluorination. <i>Chemical Communications</i> , 2012 , 48, 2929-42	5.8	321
203	A general copper-mediated nucleophilic 18F fluorination of arenes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7751-5	16.4	260
202	Au(I) /Au(III) catalysis: an alternative approach for C-C oxidative coupling. <i>Chemistry - A European Journal</i> , 2011 , 17, 8248-62	4.8	259
201	Fluorine in Pharmaceutical and Medicinal Chemistry. <i>Molecular Medicine and Medicinal</i> , 2012 ,		210
200	18F labeling of arenes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11426-37	16.4	209
199	The Fluorination of C-H Bonds: Developments and Perspectives. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14824-14848	16.4	161
198	A broadly applicable [18F]trifluoromethylation of aryl and heteroaryl iodides for PET imaging. <i>Nature Chemistry</i> , 2013 , 5, 941-4	17.6	156
197	Catalytic asymmetric fluorinations. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 2065-75	3.9	150
196	Catalytic decarboxylative fluorination for the synthesis of tri- and difluoromethyl arenes. <i>Organic Letters</i> , 2013 , 15, 2648-51	6.2	149
195	Palladium-catalyzed allylic fluorination. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2613-7	16.4	145
194	Gold(I)-catalyzed alkoxyhalogenation of beta-hydroxy-alpha,alpha-difluoronyones. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7927-30	16.4	144
193	Organocatalyzed Enantioselective Fluorocyclizations. <i>Angewandte Chemie</i> , 2011 , 123, 8255-8259	3.6	131
192	Copper-Catalyzed Insertion into Heteroatom-Hydrogen Bonds with Trifluorodiazalkanes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3785-9	16.4	127

191	The chemistry of propargylic and allylic fluorides. <i>Chemical Reviews</i> , 2008 , 108, 1943-81	68.1	121
190	Catalytic enantioselective synthesis of P-stereogenic compounds. <i>Chemical Communications</i> , 2010 , 46, 7477-85	5.8	119
189	Trifluoromethylation of allylsilanes under copper catalysis. <i>Chemistry - A European Journal</i> , 2012 , 18, 8583-7	4.8	118
188	Gold-catalyzed intramolecular oxidative cross-coupling of nonactivated arenes. <i>Chemistry - A European Journal</i> , 2010 , 16, 4739-43	4.8	115
187	Derisking the Cu-Mediated F-Fluorination of Heterocyclic Positron Emission Tomography Radioligands. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8267-8276	16.4	113
186	Enhanced copper-mediated (¹⁸ F)-fluorination of aryl boronic esters provides eight radiotracers for PET applications. <i>Chemical Communications</i> , 2016 , 52, 8361-4	5.8	109
185	Trifluoromethylation of allylsilanes under photoredox catalysis. <i>Organic Letters</i> , 2013 , 15, 1250-3	6.2	109
184	Gold-catalyzed cascade cyclization-oxidative alkynylation of allenates. <i>Organic Letters</i> , 2010 , 12, 4904-76.2		107
183	Radiosynthesis and evaluation of [¹⁸ F]Selectfluor bis(triflate). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6821-4	16.4	107
182	Regio- and enantioselective synthesis of allylic fluorides by electrophilic fluorodesilylation of allyl silanes. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3291-4	16.4	106
181	Asymmetric fluorocyclizations of alkenes. <i>Accounts of Chemical Research</i> , 2014 , 47, 3560-70	24.3	105
180	Tetraethylammonium Trichloride: A Versatile Reagent for Chlorinations and Oxidations. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2342-2344		97
179	Enantioselective synthesis of P-stereogenic phosphinates and phosphine oxides by molybdenum-catalyzed asymmetric ring-closing metathesis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 762-6	16.4	96
178	Transition-metal-mediated reactions for C(sp ²)-F bond construction: the state of play. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8610-4	16.4	96
177	Improvement in olefin metathesis using a new generation of ruthenium catalyst bearing an imidazolylidene ligand: synthesis of heterocycles. <i>Organic Letters</i> , 2000 , 2, 1517-9	6.2	95
176	Diels-Alder exo selectivity in terminal-substituted dienes and dienophiles: experimental discoveries and computational explanations. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1947-57	16.4	94
175	Asymmetric nucleophilic fluorination under hydrogen bonding phase-transfer catalysis. <i>Science</i> , 2018 , 360, 638-642	33.3	92
174	Palladium-catalyzed substitution of allylic fluorides. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1296-9	16.4	91

- 173 Enantioselective organocatalytic aldol reaction of ynones and its synthetic applications. *Organic Letters*, **2006**, 8, 5417-9 6.2 90
- 172 Enhanced aqueous Suzuki-Miyaura coupling allows site-specific polypeptide 18F-labeling. *Journal of the American Chemical Society*, **2013**, 135, 13612-5 16.4 85
- 171 Synthesis and reactivity of [18F]-N-fluorobenzenesulfonimide. *Chemical Communications*, **2007**, 2330-2 5.8 85
- 170 Diversity-oriented approach to CF₃CHF-, CF₃CFBr-, CF₃CF₂-, (CF₃)₂CH-, and CF₃(SCF₃)CH-substituted arenes from 1-(diazo-2,2,2-trifluoroethyl)arenes. *Organic Letters*, **2014**, 16, 6004-7 6.2 80
- 169 Electrophilic fluorocyclization of allyl silanes. *Angewandte Chemie - International Edition*, **2009**, 48, 7083-6 6.4 79
- 168 Metal-free oxidative fluorination of phenols with [18F]fluoride. *Angewandte Chemie - International Edition*, **2012**, 51, 6733-7 16.4 78
- 167 Asymmetric electrophilic fluorocyclization with carbon nucleophiles. *Angewandte Chemie - International Edition*, **2013**, 52, 9796-800 16.4 77
- 166 Ultrafast Click Chemistry with Fluorosydones. *Angewandte Chemie - International Edition*, **2016**, 55, 12073-7 16.4 76
- 165 [18F]fluorination of an arylboronic ester using [18F]selectfluor bis(triflate): application to 6-[18F]fluoro-L-DOPA. *Chemical Communications*, **2013**, 49, 1386-8 5.8 71
- 164 (18)F-Labeling of Aryl-SCF₃, -OCF₃ and -OCHF₂ with [(18)F]Fluoride. *Angewandte Chemie - International Edition*, **2015**, 54, 9991-5 16.4 71
- 163 Selective Radical Trifluoromethylation of Native Residues in Proteins. *Journal of the American Chemical Society*, **2018**, 140, 1568-1571 16.4 68
- 162 cis-Specific hydrofluorination of alkenylarenes under palladium catalysis through an ionic pathway. *Angewandte Chemie - International Edition*, **2014**, 53, 4181-5 16.4 67
- 161 Regio- and stereoretentive synthesis of branched, linear (E)- and (Z)-allyl fluorides from allyl carbonates under Ir-catalysis. *Chemical Science*, **2013**, 4, 89-96 9.4 66
- 160 Sequential cross-metathesis/electrophilic fluorodesilylation: a novel entry to functionalized allylic fluorides. *Organic Letters*, **2003**, 5, 4891-3 6.2 66
- 159 Hydrodifluoromethylation of Alkenes with Difluoroacetic Acid. *Angewandte Chemie - International Edition*, **2019**, 58, 8829-8833 16.4 65
- 158 Electrophilic fluorination of organosilanes. *Organic and Biomolecular Chemistry*, **2006**, 4, 26-32 3.9 65
- 157 The first example of molecularly imprinted nanogels with aldolase type I activity. *Chemistry - A European Journal*, **2008**, 14, 7059-65 4.8 62
- 156 Hydrogen Bonding Phase-Transfer Catalysis with Potassium Fluoride: Enantioselective Synthesis of β -Fluoroamines. *Journal of the American Chemical Society*, **2019**, 141, 2878-2883 16.4 61

155	F-Trifluoromethylation of Unmodified Peptides with 5-F-(Trifluoromethyl)dibenzothiophenium Trifluoromethanesulfonate. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1572-1575	16.4	61
154	Bridging the gaps in F PET tracer development. <i>Nature Chemistry</i> , 2016 , 9, 1-3	17.6	60
153	Intramolecular OH...FC hydrogen bonding in fluorinated carbohydrates: CHF is a better hydrogen bond acceptor than CF2. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10524-8	16.4	59
152	A General Copper-Mediated Nucleophilic ¹⁸ F Fluorination of Arenes. <i>Angewandte Chemie</i> , 2014 , 126, 7885-7889	3.6	58
151	Palladium-catalyzed substitution and cross-coupling of benzylic fluorides. <i>Organic Letters</i> , 2012 , 14, 2754-7	4.7	58
150	Fluorous synthesis of ¹⁸ F radiotracers with the [¹⁸ F]fluoride ion: nucleophilic fluorination as the detagging process. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 586-9	16.4	58
149	Oxidative cyclization of beta-hydroxyenones with palladium(II): a novel entry to 2,3-dihydro-4H-pyran-4-ones. <i>Organic Letters</i> , 2004 , 6, 91-4	6.2	58
148	Using chemical genetics and ATP analogues to dissect protein kinase function. <i>ACS Chemical Biology</i> , 2007 , 2, 299-314	4.9	57
147	A comparison of the behavior of (⁶⁴ Cu)-acetate and (⁶⁴ Cu)-ATSM in vitro and in vivo. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 128-34	8.9	56
146	¹⁸ F-Markierung von Arenen. <i>Angewandte Chemie</i> , 2012 , 124, 11590-11602	3.6	56
145	Imaging of translocator protein upregulation is selective for pro-inflammatory polarized astrocytes and microglia. <i>Glia</i> , 2020 , 68, 280-297	9	56
144	Palladium-Catalyzed Allylic Fluorination. <i>Angewandte Chemie</i> , 2011 , 123, 2661-2665	3.6	54
143	Gold(I)-Catalyzed Alkoxyhalogenation of β -Hydroxy- β,β -Difluoroynones. <i>Angewandte Chemie</i> , 2008 , 120, 8045-8048	3.6	53
142	Coordination diversity in hydrogen-bonded homoleptic fluoride-alcohol complexes modulates reactivity. <i>Chemical Science</i> , 2015 , 6, 5293-5302	9.4	51
141	Pd(II)-catalyzed cascade Wacker-Heck reaction: chemoselective coupling of two electron-deficient reactants. <i>Journal of Organic Chemistry</i> , 2006 , 71, 8390-4	4.2	51
140	Biocatalytic approaches to hetero-Diels-Alder adducts of carbonyl compounds. <i>Chemistry - A European Journal</i> , 2005 , 11, 5806-15	4.8	51
139	Fluorodesilylation of alkenyltrimethylsilanes: a new route to fluoroalkenes and difluoromethyl-substituted amides, alcohols or ethers. <i>Chemical Communications</i> , 2001 , 233-234	5.8	51
138	Redox chemistry of trifluoromethyl sulfonium salts as CF ₃ radical sources. <i>Journal of Fluorine Chemistry</i> , 2013 , 155, 124-131	2.1	49

137	Hydrogen-Bonded Homoleptic Fluoride-Diarylurea Complexes: Structure, Reactivity, and Coordinating Power. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13314-13325	16.4	49
136	Organophotoredox Hydrodefluorination of Trifluoromethylarenes with Translational Applicability to Drug Discovery. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9181-9187	16.4	48
135	Asymmetric amination of carboxylic acids via a diels-alder strategy.. <i>Tetrahedron Letters</i> , 1991 , 32, 5349-5352		46
134	A catalytic asymmetric bioorganic route to enantioenriched tetrahydro- and dihydropyranones. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1481-6	16.4	45
133	Palladium-catalyzed oxidative cyclizations: synthesis of dihydropyranones and furanones. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8478-85	4.2	44
132	Asymmetric Diels-Alder reactions of a nitroso compound derived from D-bornane-10,2-sultam. <i>Tetrahedron: Asymmetry</i> , 1991 , 2, 1173-1176		44
131	Hydrosulfonylation of Alkenes with Sulfonyl Chlorides under Visible Light Activation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11620-11626	16.4	44
130	Silyl Radical-Mediated Activation of Sulfonyl Chlorides Enables Direct Access to Aliphatic Sulfonamides from Alkenes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 720-725	16.4	43
129	Fluorine-directed diastereoselective iodocyclizations. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 357-60	16.4	42
128	Synthesis of novel enantiopure fluorinated building blocks from acyclic chiral allylsilanes. <i>Organic Letters</i> , 2005 , 7, 4495-7	6.2	42
127	Synthetic applications of electrophilic fluorodesilylation. <i>Chemistry - A European Journal</i> , 2002 , 8, 766-724.8		42
126	Novel Synthesis of Borane Complexes of Cyclic Phosphanes Using Ruthenium-Catalyzed Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2491-2493	16.4	41
125	PET Imaging of PARP Expression Using F-Olaparib. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 504-510	8.9	41
124	Asymmetric F-fluorination for applications in positron emission tomography. <i>Chemical Science</i> , 2016 , 7, 1645-1652	9.4	40
123	Ring-Closing Olefin Metathesis for the Synthesis of Phosphorus Containing Heterocycles. <i>Tetrahedron</i> , 2000 , 56, 2053-2060	2.4	40
122	Light-driven post-translational installation of reactive protein side chains. <i>Nature</i> , 2020 , 585, 530-537	50.4	40
121	The traceless Staudinger ligation for indirect ¹⁸ F-radiolabelling. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 136-40	3.9	39
120	Intramolecular hetero-Michael addition of beta-hydroxyenones for the preparation of highly substituted tetrahydropyranones. <i>Chemistry - A European Journal</i> , 2006 , 12, 7190-203	4.8	38

119	Fluorierung von C-H-Bindungen: Entwicklungen und Perspektiven. <i>Angewandte Chemie</i> , 2019 , 131, 14966-14993	16.4	37
118	The dual role of thiourea in the thiotrifluoromethylation of alkenes. <i>Chemical Science</i> , 2017 , 8, 1195-1199	9.4	37
117	A concise synthesis of enantioenriched fluorinated carbocycles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5106-10	16.4	37
116	Electrophilic fluorodesilylation of allenylmethylsilanes: a novel entry to 2-fluoro-1,3-dienes. <i>Organic Letters</i> , 2005 , 7, 1267-70	6.2	37
115	Regio- and Enantioselective Synthesis of Allylic Fluorides by Electrophilic Fluorodesilylation of Allyl Silanes. <i>Angewandte Chemie</i> , 2003 , 115, 3413-3416	3.6	37
114	Synthesis of unprotected and borane-protected cyclic phosphines using Ru- and Mo- based olefin metathesis catalysts. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 3820-5	3.9	36
113	Batch-mode microfluidic radiosynthesis of N-succinimidyl-4-[¹⁸ F]fluorobenzoate for protein labelling. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011 , 54, 117-122	1.9	35
112	Total Synthesis of (±)-Halomon by a Johnson-Claisen Rearrangement. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2085-2087	16.4	35
111	Late-stage difluoromethylation: concepts, developments and perspective. <i>Chemical Society Reviews</i> , 2021 , 50, 8214-8247	58.5	35
110	Convergent ¹⁸ F radiosynthesis: A new dimension for radiolabelling. <i>Chemical Science</i> , 2011 , 2, 123-131	9.4	34
109	Bergangsmetall-vermittelte Reaktionen zum Aufbau von C-F-Bindungen. <i>Angewandte Chemie</i> , 2009 , 121, 8762-8766	3.6	34
108	Chemistry. A new departure in fluorination chemistry. <i>Science</i> , 2009 , 325, 1630-1	33.3	34
107	A novel access to alicyclic phosphine oxides via ring closing metathesis. <i>Tetrahedron Letters</i> , 1999 , 40, 7333-7336	2	34
106	Organomediated Enantioselective (¹⁸ F) Fluorination for PET Applications. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13366-9	16.4	33
105	Recent progress in the use of fluoroorganic compounds in pericyclic reactions. <i>Tetrahedron</i> , 2009 , 65, 9905-9933	2.4	33
104	Palladium-Catalyzed Substitution of Allylic Fluorides. <i>Angewandte Chemie</i> , 2009 , 121, 1322-1325	3.6	32
103	Electrophilic Fluorocyclization of Allyl Silanes. <i>Angewandte Chemie</i> , 2009 , 121, 7217-7220	3.6	32
102	Radiosynthesis and Evaluation of [¹⁸ F]Selectfluor bis(triflate). <i>Angewandte Chemie</i> , 2010 , 122, 6973-6976	6.6	32

101	Glial activation in the early stages of brain metastasis: TSPO as a diagnostic biomarker. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 275-80	8.9	30
100	Platinum-Catalyzed Substitution of Allylic Fluorides. <i>Organometallics</i> , 2012 , 31, 1408-1416	3.8	30
99	Pre-clinical evaluation of a 3-nitro-1,2,4-triazole analogue of [18F]FMISO as hypoxia-selective tracer for PET. <i>Nuclear Medicine and Biology</i> , 2010 , 37, 565-75	2.1	30
98	Synthesis and reactivity of novel gamma-phosphate modified ATP analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3804-7	2.9	30
97	Highly Diastereoselective Synthesis of Trifluoromethyl Indolines by Interceptive Benzylic Decarboxylative Cycloaddition of Nonvinyl, Trifluoromethyl Benzoxazinones with Sulfur Ylides under Palladium Catalysis. <i>Organic Letters</i> , 2018 , 20, 1526-1529	6.2	29
96	Conformational analysis of fluorinated pyrrolidines using 19F-1H scalar couplings and heteronuclear NOEs. <i>Chemistry - A European Journal</i> , 2012 , 18, 13133-41	4.8	29
95	Diastereoselective synthesis of P-stereogenic heterocycles via enyne ring-closing metathesis. <i>Organic Letters</i> , 2010 , 12, 1236-9	6.2	29
94	Diastereoselective ring-closing metathesis: synthesis of P-stereogenic phosphinates from prochiral phosphinic acid derivatives. <i>Journal of Organic Chemistry</i> , 2005 , 70, 10803-9	4.2	29
93	Enantioselective synthesis of a key "A-ring" intermediate for the preparation of 1alpha-fluoro vitamin D3 analogues. <i>Journal of Organic Chemistry</i> , 2006 , 71, 5361-4	4.2	29
92	Synthesis and O-phosphorylation of 3,3,4,4-tetrafluoroaryl-C-nucleoside analogues. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1445-54	3.9	28
91	Asymmetric de novo synthesis of fluorinated d-glucitol and d-mannitol analogues. <i>Tetrahedron: Asymmetry</i> , 2009 , 20, 910-920		28
90	Gold Catalysis and Fluorine. <i>Israel Journal of Chemistry</i> , 2010 , 50, 675-690	3.4	28
89	Unprecedented regiocontrol using an aldolase I antibody. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1012-4	16.4	28
88	Synthesis of a novel diarylphosphinic acid: a distorted ground state mimic and transition state analogue for amide hydrolysis. <i>Tetrahedron</i> , 2001 , 57, 10299-10307	2.4	28
87	F-Trifluoromethanesulfinate Enables Direct C-H F-Trifluoromethylation of Native Aromatic Residues in Peptides. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1180-1185	16.4	28
86	Radiosynthesis of SPECT tracers via a copper mediated I iodination of (hetero)aryl boron reagents. <i>Chemical Communications</i> , 2016 , 52, 13277-13280	5.8	28
85	A fluorous and click approach for screening potential PET probes: Evaluation of potential hypoxia biomarkers. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 324-9	3.4	26
84	Stereospecific anti SE2Sfluorination of allenylsilanes: synthesis of enantioenriched propargylic fluorides. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1731-3	3.9	26

83	Desymmetrization by direct cross-metathesis producing hitherto unreachable P-stereogenic phosphine oxides. <i>Tetrahedron</i> , 2005 , 61, 2395-2400	2.4	26
82	A convergent approach for the synthesis of fluorinated sphingosine analogues. <i>Arkivoc</i> , 2007 , 2007, 232-244	2.4	26
81	Cross-Coupling of [2-Aryl-1,1,2,2-tetrafluoroethyl](trimethyl)silanes with Aryl Halides. <i>Organic Letters</i> , 2015 , 17, 3466-9	6.2	25
80	Developments in fluorocyclization methodologies. <i>Future Medicinal Chemistry</i> , 2009 , 1, 847-63	4.1	25
79	Synthesis of propargylic fluorides from allenylsilanes. <i>Chemical Communications</i> , 2006 , 4113-5	5.8	25
78	Stereoselective synthesis of internal allylic fluorides. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 1110-3	3.9	25
77	Hydrogen Bonding Phase-Transfer Catalysis with Ionic Reactants: Enantioselective Synthesis of β -Fluoroamines. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14045-14051	16.4	24
76	Boron reagents for divergent radiochemistry. <i>Chemical Society Reviews</i> , 2018 , 47, 6990-7005	58.5	24
75	Sequential desymmetrization-fluorination: enantioselective synthesis of fluorinated cyclitols. <i>Chemistry - A European Journal</i> , 2006 , 12, 9176-85	4.8	24
74	^{18}F -Labeling of Aryl-SCF ₃ , -OCF ₃ and -OCHF ₂ with [^{18}F]Fluoride. <i>Angewandte Chemie</i> , 2015 , 127, 10129-31	10.13323	23
73	Homometathesis and cross-metathesis coupling of phosphine-borane templates with electron-rich and electron-poor olefins. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 5246-5259	2.3	23
72	Contemporary synthetic strategies in organofluorine chemistry. <i>Nature Reviews Methods Primers</i> , 2021 , 1,		23
71	Copper-Catalyzed Insertion into Heteroatom-Hydrogen Bonds with Trifluorodiazalkanes. <i>Angewandte Chemie</i> , 2016 , 128, 3849-3853	3.6	22
70	Metal-Free Oxidative Fluorination of Phenols with [^{18}F]Fluoride. <i>Angewandte Chemie</i> , 2012 , 124, 6837-6841	3.41	22
69	Intramolecular OH...FC Hydrogen Bonding in Fluorinated Carbohydrates: CHF is a Better Hydrogen Bond Acceptor than CF ₂ . <i>Angewandte Chemie</i> , 2013 , 125, 10718-10722	3.6	22
68	A two-directional approach to enantiopure 1,4-difluoro-cyclohexenes: synthesis of difluorinated cyclitol analogues. <i>Organic Letters</i> , 2008 , 10, 4263-6	6.2	21
67	Asymmetric Electrophilic Fluorocyclization with Carbon Nucleophiles. <i>Angewandte Chemie</i> , 2013 , 125, 9978-9982	3.6	20
66	Ultrafast Click Chemistry with Fluorosydnone. <i>Angewandte Chemie</i> , 2016 , 128, 12252-12256	3.6	19

65	cis-Specific Hydrofluorination of Alkenylarenes under Palladium Catalysis through an Ionic Pathway. <i>Angewandte Chemie</i> , 2014 , 126, 4265-4269	3.6	19
64	Synthesis of F-difluoromethylarenes using aryl boronic acids, ethyl bromofluoroacetate and [F]fluoride. <i>Chemical Science</i> , 2019 , 10, 3237-3241	9.4	18
63	De Novo Synthesis of Racemic 4-Deoxy-4,4-difluoro- and 2,4-Dideoxy-2,4,4-trifluorohexosides. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 3825-3836	3.2	18
62	Fluorous synthesis of allylic fluorides: C-F bond formation as the detagging process. <i>Chemical Communications</i> , 2008 , 3622-4	5.8	17
61	Hydrosulfonylation of Alkenes with Sulfonyl Chlorides under Visible Light Activation. <i>Angewandte Chemie</i> , 2020 , 132, 11717-11723	3.6	16
60	Manual and automated Cu-mediated radiosynthesis of the PARP inhibitor [F]olaparib. <i>Nature Protocols</i> , 2020 , 15, 1525-1541	18.8	16
59	Enantioselective Synthesis of P-Stereogenic Phosphinates and Phosphine Oxides by Molybdenum-Catalyzed Asymmetric Ring-Closing Metathesis. <i>Angewandte Chemie</i> , 2009 , 121, 776-780	3.6	15
58	A Concise Synthesis of Enantioenriched Fluorinated Carbocycles. <i>Angewandte Chemie</i> , 2007 , 119, 5198-5202	3.6	15
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56	Hydrodifluoromethylation of Alkenes with Difluoroacetic Acid. <i>Angewandte Chemie</i> , 2019 , 131, 8921-8925	3.6	14
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