

Sbastien Thibaudeau

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

1,326
citations

19
h-index

34
g-index

79
ext. papers

1,552
ext. citations

5.9
avg, IF

4.25
L-index

#	Paper	IF	Citations
70	Keteniminium ion-initiated cascade cationic polycyclization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12528-31	16.4	103
69	Catching elusive glycosyl cations in a condensed phase with HF/SbF ₅ superacid. <i>Nature Chemistry</i> , 2016 , 8, 186-91	17.6	92
68	Stereoselective hydrofluorination of ynamides: a straightforward synthesis of novel β -fluoroenamides. <i>Chemical Communications</i> , 2012 , 48, 5196-8	5.8	92
67	A Journey in the Chemistry of Ynamides: From Synthesis to Applications. <i>Chemistry Letters</i> , 2016 , 45, 574-585	1.7	67
66	Carbonic anhydrases inhibitory effects of new benzenesulfonamides synthesized by using superacid chemistry. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012 , 27, 886-91	5.6	67
65	Sequential cross-metathesis/electrophilic fluorodesilylation: a novel entry to functionalized allylic fluorides. <i>Organic Letters</i> , 2003 , 5, 4891-3	6.2	66
64	A novel, facile route to beta-fluoroamines by hydrofluorination using superacid HF-SbF(5). <i>Chemical Communications</i> , 2007 , 3198-200	5.8	54
63	Superacid-Catalyzed Trifluoromethylthiolation of Aromatic Amines. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 169-172	16.4	49
62	Defining the S1 Side of Glycosylation Reactions: Stereoselectivity of Glycopyranosyl Cations. <i>ACS Central Science</i> , 2019 , 5, 781-788	16.8	46
61	Chemo- and stereoselective synthesis of fluorinated enamides from ynamides in HF/pyridine: second-generation approach to potent ureas bioisosteres. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3397-410	4.2	45
60	New superacid synthesized (fluorinated) tertiary benzenesulfonamides acting as selective hCA IX inhibitors: toward a new mode of carbonic anhydrase inhibition by sulfonamides. <i>Chemical Communications</i> , 2013 , 49, 6015-7	5.8	44
59	Superelectrophilic activation in superacid HF/SbF(5) and synthesis of benzofused sultams. <i>Organic Letters</i> , 2010 , 12, 868-71	6.2	42
58	Superacid synthesis of halogen containing N-substituted-4-aminobenzene sulfonamides: new selective tumor-associated carbonic anhydrase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 1555-63	3.4	37
57	Fluorinated pyrrolidines and piperidines incorporating tertiary benzenesulfonamide moieties are selective carbonic anhydrase II inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 737-45	5.6	30
56	Cyclisation/fluorination of nitrogen containing dienes in superacid HF-SbF5: a new route to 3- and 4-fluoropiperidines. <i>Chemical Communications</i> , 2008 , 1473-5	5.8	30
55	Stereoselective synthesis of internal allylic fluorides. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 1110-3	3.9	25
54	Rearrangement or gem-difluorination of quinine and 9-epiquinine and their acetates in superacid. <i>Tetrahedron</i> , 2005 , 61, 2065-2073	2.4	24

53	Anti-Markovnikov additions to N-allylic derivatives involving ammonium-carbenium superelectrophiles. <i>Chemical Communications</i> , 2012 , 48, 5877-9	5.8	22
52	Structural and Computational Analysis of 2-Halogeno-Glycosyl Cations in the Presence of a Superacid: An Expansive Platform. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13758-13762	16.4	21
51	Cationic polycyclization of ynamides: building up molecular complexity. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 4399-4416	3.9	18
50	Substitution effect on the hydrofluorination reaction of unsaturated amines in superacid HF/SbF ₅ . <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 4789-97	3.9	18
49	Synthetic deoxynojirimycin derivatives bearing a thiolated, fluorinated or unsaturated N-alkyl chain: identification of potent α-glucosidase and trehalase inhibitors as well as F508del-CFTR correctors. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 10734-44	3.9	17
48	On the elucidation of the mechanism of Vinca alkaloid fluorination in superacidic medium. <i>Organic Letters</i> , 2011 , 13, 4116-9	6.2	17
47	A quantitative comparison of wild-type and gatekeeper mutant cdk2 for chemical genetic studies with ATP analogues. <i>ChemBioChem</i> , 2009 , 10, 1519-26	3.8	17
46	Selective synthesis of gem-chlorofluorinated nitrogen-containing derivatives after superelectrophilic activation in superacid HF/SbF ₅ . <i>Journal of Organic Chemistry</i> , 2011 , 76, 1460-3	4.2	16
45	Superacid synthesized tertiary benzenesulfonamides and benzofused sultams act as selective hCA IX inhibitors: toward understanding a new mode of inhibition by tertiary sulfonamides. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 7540-9	3.9	15
44	Rearrangement of quinine in superacid: an efficient access to a novel chiral heterocyclic system. <i>Tetrahedron Letters</i> , 2002 , 43, 8773-8775	2	15
43	The hypotensive agent dodoneine inhibits L-type Ca ²⁺ current with negative inotropic effect on rat heart. <i>European Journal of Pharmacology</i> , 2014 , 728, 119-27	5.3	14
42	Selective anti-Markovnikov cyclization and hydrofluorination reaction in superacid HF/SbF ₅ : a tool in the design of nitrogen-containing (fluorinated) polycyclic systems. <i>Journal of Organic Chemistry</i> , 2013 , 78, 4463-72	4.2	14
41	Natural product hybrid and its superacid synthesized analogues: dodoneine and its derivatives show selective inhibition of carbonic anhydrase isoforms I, III, XIII and XIV. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 3790-4	3.4	14
40	Superacid-Catalyzed Trifluoromethylthiolation of Aromatic Amines. <i>Angewandte Chemie</i> , 2017 , 129, 1753-1758	3.8	13
39	HF-Induced Intramolecular C-Arylation and C-Alkylation/Fluorination of 2-Aminoglycopyranoses. <i>Organic Letters</i> , 2017 , 19, 1040-1043	6.2	12
38	Functionalization of non-activated C-H bonds in ketones and imines with HF/SbF ₅ /CCl ₄ . <i>Tetrahedron</i> , 2002 , 58, 6643-6649	2.4	12
37	Substitution effect on the cyclization/fluorination reaction of N-dienes in superacid. <i>Journal of Organic Chemistry</i> , 2009 , 74, 6025-34	4.2	11
36	Gem-difluorination in superacid: The dramatic role of halonium ions. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 775-780	2.1	11

35	Synthesis of gem-difluoroamines from allylic or halogenoamines. <i>Tetrahedron Letters</i> , 2002 , 43, 4119-4122	11
34	High efficiency of superacid HF-SbF ₅ for the selective decrystallization-depolymerization of cellulose to glucose. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 2521-4	3.9 9
33	Fluoroenesulphonamides: N-sulphonylurea isosteres showing nanomolar selective cancer-related transmembrane human carbonic anhydrase inhibition. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 804-808	5.6 8
32	Tandem superelectrophilic activation for the regioselective chlorofluorination of recalcitrant allylic amines. <i>Tetrahedron</i> , 2016 , 72, 674-689	2.4 8
31	Evaluation of the Bronchorelaxant, Genotoxic, and Antigenotoxic Effects of Cassia alata L. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013 , 2013, 162651	2.3 8
30	Superacid mediated reactions applied to 4-aminobenzofused sultams and fluorinated 4-aminobenzene sulfonamides synthesis. <i>Tetrahedron</i> , 2010 , 66, 7112-7118	2.4 8
29	Glycosyl Oxocarbenium Ions: Structure, Conformation, Reactivity, and Interactions. <i>Accounts of Chemical Research</i> , 2021 , 54, 2552-2564	24.3 8
28	Evidence of Phosphonium-Carbenium Dication Formation in a Superacid: Precursor to Fluorinated Phosphine Oxides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1355-1360	16.4 7
27	Vasorelaxation induced by dodoneine is mediated by calcium channels blockade and carbonic anhydrase inhibition on vascular smooth muscle cells. <i>Journal of Ethnopharmacology</i> , 2015 , 169, 8-17	5 6
26	Dications in superacid HF/SbF ₅ : When superelectrophilic activation makes possible fluorination and/or C-H bond activation. <i>Journal of Fluorine Chemistry</i> , 2012 , 134, 56-62	2.1 6
25	Insight into the Ferrier Rearrangement by Combining Flash Chemistry and Superacids. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2036-2041	16.4 6
24	Structural and Computational Analysis of 2-Halogeno-Glycosyl Cations in the Presence of a Superacid: An Expansive Platform. <i>Angewandte Chemie</i> , 2019 , 131, 13896-13900	3.6 5
23	Transformation of the Triketone Pesticides Tembotrione and Sulcotrione by Reactions with Ozone: Kinetic Study, Transformation Products, Toxicity and Biodegradability. <i>Ozone: Science and Engineering</i> , 2017 , 39, 3-13	2.4 4
22	Evidence of Phosphonium-Carbenium Dication Formation in a Superacid: Precursor to Fluorinated Phosphine Oxides. <i>Angewandte Chemie</i> , 2019 , 131, 1369-1374	3.6 4
21	Complementary Site-Selective Halogenation of Nitrogen-Containing (Hetero)Aromatics with Superacids. <i>Chemistry - A European Journal</i> , 2020 , 26, 10411-10416	4.8 4
20	Enantioenriched Methylene-Bridged Benzazocanes Synthesis by Organocatalytic and Superacid Activations. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1279-1285	16.4 4
19	Modulating the Efficacy of Carbonic Anhydrase Inhibitors through Fluorine Substitution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23068-23082	16.4 4
18	Access to Optically Pure Benzosultams by Superelectrophilic Activation. <i>Organic Letters</i> , 2020 , 22, 4944-4948	3

17	Superelectrophilic activation in superacid HF/SbF ₅ : Expanding molecular diversity in nitrogen-containing compounds series by fluorination. <i>Journal of Fluorine Chemistry</i> , 2018 , 214, 68-79	2.1	3
16	Enantioenriched Methylene-Bridged Benzazocanes Synthesis by Organocatalytic and Superacid Activations. <i>Angewandte Chemie</i> , 2020 , 132, 1295-1301	3.6	3
15	Sequential Suzuki-Miyaura Coupling/Lewis Acid-Catalyzed Cyclization: An Entry to Functionalized Cycloalkane-Fused Naphthalenes. <i>Organic Letters</i> , 2020 , 22, 6267-6271	6.2	3
14	Direct and Selective C-H Carbamoylation of (Hetero)aromatics with TMSOTf-Activated Carbamoyl Chloride. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 46-49	3.2	3
13	Superelectrophilic Csp-H bond fluorination of aliphatic amines in superacid: the striking role of ammonium-carbenium dications. <i>Chemical Communications</i> , 2020 , 56, 5905-5908	5.8	3
12	CF-substituted carbocations: underexploited intermediates with great potential in modern synthetic chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2021 , 17, 343-378	2.5	3
11	Bioactive Natural Product and Superacid Chemistry for Lead Compound Identification: A Case Study of Selective hCA III and L-Type Ca Current Inhibitors for Hypotensive Agent Discovery. <i>Molecules</i> , 2017 , 22,	4.8	2
10	Rearrangement and fluorination of quinidinone in superacid. <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 55-59	2.1	2
9	Synthesis of Fluorinated Nitrogen-Containing Compounds Through Superelectrophilic Activation in Superacid HF/SbF ₅ **This work is dedicated to Pr Jean-Claude Jacquesy with great consideration. 2017 , 349-388		1
8	Evidence and exploitation of dicationic ammonium-nitrilium superelectrophiles: direct synthesis of unsaturated piperidinones. <i>Chemical Communications</i> , 2020 , 56, 11110-11113	5.8	0
7	Complementary Site-Selective Sulfonylation of Aromatic Amines by Superacid Activation. <i>Organic Letters</i> , 2021 , 23, 4115-4120	6.2	0
6	Insight into the Ferrier Rearrangement by Combining Flash Chemistry and Superacids. <i>Angewandte Chemie</i> , 2021 , 133, 2064-2069	3.6	0
5	Modulating the Efficacy of Carbonic Anhydrase Inhibitors through Fluorine Substitution. <i>Angewandte Chemie</i> , 2021 , 133, 23252	3.6	0
4	Next-generation secondary/tertiary sulfonamide carbonic anhydrase inhibitor 2014 , 52-67		
3	Innenrücktitelbild: Superacid-Catalyzed Trifluoromethylthiolation of Aromatic Amines (Angew. Chem. 1/2017). <i>Angewandte Chemie</i> , 2017 , 129, 429-429	3.6	
2	Formation of synthetically relevant CF-substituted phenonium ions in superacid media.. <i>RSC Advances</i> , 2021 , 11, 25695-25699	3.7	
1	Hidden Heptacyclic Chiral N-Acyl Iminium Ions: A New Entry to Enantioenriched Polycyclic Azepanes and Azocanes by Superacid-Promoted Intramolecular Pictet-Spengler Reaction.. <i>Chemistry - A European Journal</i> , 2022 , e202200432	4.8	