

# Samuel Couve-Bonnaire

## List of Publications by Year in descending order

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58  
papers

1,787  
citations

304368

22  
h-index

276539

41  
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59  
all docs

59  
docs citations

59  
times ranked

1496  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorine & chirality: how to create a nonracemic stereogenic carbonâ€“fluorine centre?. <i>Chemical Society Reviews</i> , 2010, 39, 558-568.	18.7	218
2	Chiral dipeptide mimics possessing a fluoroolefin moiety: a relevant tool for conformational and medicinal studies. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1151.	1.5	182
3	Diastereomeric Fluoroolefins as Peptide Bond Mimics Prepared by Asymmetric Reductive Amination of $\hat{\pm}$ -Fluoroenones. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1290-1292.	7.2	123
4	Palladium-catalyzed carbonylative coupling of pyridine halides with aryl boronic acids. <i>Tetrahedron</i> , 2003, 59, 2793-2799.	1.0	77
5	Stereocontrolled Solid-Phase Synthesis of a 90-Membered Library of Indoline-Alkaloid-like Polycycles from an Enantioenriched Aminoindoline Scaffold. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1366-1368.	7.2	72
6	Palladium-catalyzed carbonylative cross-coupling reactions of pyridine halides and aryl boronic acids: a convenient access to $\hat{\pm}$ -pyridyl ketones. <i>Tetrahedron Letters</i> , 2001, 42, 3689-3691.	0.7	69
7	Syntheses and Applications of Monofluorinated Cyclopropanes. <i>Chemistry - A European Journal</i> , 2012, 18, 14904-14917.	1.7	68
8	Wonderful fusion of organofluorine chemistry and decarboxylation strategy. <i>Chemical Society Reviews</i> , 2021, 50, 6094-6151.	18.7	64
9	Pd&Cu&Catalyzed Stereo&Regiocontrolled Decarboxylative/ $C_{12}H$ Fluoroalkenylation of Heteroarenes. <i>Chemistry - A European Journal</i> , 2014, 20, 15000-15004.	1.7	54
10	First Stereospecific Synthesis of (E)- or (Z)- $\hat{\pm}$ -Fluoroenones via a Kinetically Controlled Negishi Coupling Reaction. <i>Journal of Organic Chemistry</i> , 2006, 71, 4316-4319.	1.7	53
11	Palladium&Copper&Catalyzed Stereocontrolled Direct $C_{12}H$ Fluoroalkenylation of Heteroarenes using <i>gem</i> -Bromofluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3246-3249.	7.2	50
12	Stereospecific Synthesis of Tri- and Tetrasubstituted $\hat{\pm}$ -Fluoroacrylates by Mizoroki&Heck Reaction. <i>Organic Letters</i> , 2016, 18, 540-543.	2.4	46
13	Biocatalytic Strategy for the Highly Stereoselective Synthesis of $CHF_2$ -Containing Trisubstituted Cyclopropanes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7072-7076.	7.2	40
14	Synthesis of Fluoro, Monofluoromethyl, Difluoromethyl, and Trifluoromethyl-Substituted Three-Membered Rings. <i>Chemistry - A European Journal</i> , 2021, 27, 2935-2962.	1.7	40
15	Fluorinated Pseudopeptide Analogues of the Neuropeptide 26RFa: Synthesis, Biological, and Structural Studies. <i>ChemBioChem</i> , 2013, 14, 1620-1633.	1.3	38
16	One-Step Synthesis of Highly Functionalized Monofluorinated Cyclopropanes from Electron-Deficient Alkenes. <i>Organic Letters</i> , 2012, 14, 2270-2273.	2.4	34
17	Synthesis of pyridylglyoxylic acid derivatives via a palladium-catalysed double carbonylation of iodopyridines. <i>Tetrahedron Letters</i> , 1999, 40, 3717-3718.	0.7	30
18	Synthesis of Fluorinated Cyclopropyl Amino Acid Analogues: Toward the Synthesis of Original Fluorinated Peptidomimetics.. <i>Journal of Organic Chemistry</i> , 2013, 78, 212-223.	1.7	30

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19	Asymmetric Synthesis of Cyclopropanes with a Monofluorinated Quaternary Stereocenter. <i>Organic Letters</i> , 2012, 14, 5130-5133.	2.4	26
20	Diastereocontrolled addition of organometallic reagents to S-chiral N-(tert-butanesulfinyl)- $\beta$ -fluoroenamines. <i>Tetrahedron Letters</i> , 2009, 50, 264-266.	0.7	25
21	Solution- and Solid-Phase Synthesis of Natural Product-Like Tetrahydroquinoline-Based Polycyclics Having a Medium Size Ring. <i>ACS Combinatorial Science</i> , 2004, 6, 735-745.	3.3	23
22	Synthesis of fluorinated pseudopeptides: metal mediated reversal of stereochemistry in diastereoselective addition of organometallic reagents to N-(tert-butanesulfinyl)- $\beta$ -fluoroenamines. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2378.	1.5	23
23	<i>gem</i> -Heteroatom-Substituted Fluoroalkenes as Mimics of Amide Derivatives or Phosphates: A Comprehensive Review. <i>Chemistry - A European Journal</i> , 2021, 27, 17273-17292.	1.7	23
24	The fluoroalkene motif as a surrogate of the amide bond: syntheses of AA- $\beta$ -(Z) and (E)-CFCH]-Pro pseudodipeptides and an Enalapril analogue. <i>Tetrahedron</i> , 2015, 71, 7054-7062.	1.0	22
25	Access to Constrained Fluoropseudopeptides via Ring-Closing Metathesis of Fluoroalkenes. <i>Organic Letters</i> , 2016, 18, 3606-3609.	2.4	21
26	A Solid-Phase, Library Synthesis of Natural-Product-Like Derivatives from an Enantiomerically Pure Tetrahydroquinoline Scaffold. <i>ACS Combinatorial Science</i> , 2004, 6, 73-77.	3.3	19
27	First enantioselective reductive amination of $\beta$ -fluoroenones. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 34-39.	0.9	18
28	Access to Fluorinated Lactams through Ring-Closing Metathesis of Reluctant Fluoroalkenes Promoted by Appropriate Substitution of a Double Bond. <i>ACS Catalysis</i> , 2014, 4, 2374-2378.	5.5	18
29	Straightforward asymmetric synthesis of Ala- $\beta$ -[CF $\beta$ CH]-Pro, a proline-containing pseudodipeptide bearing a fluoroolefin as a peptide bond mimic. <i>New Journal of Chemistry</i> , 2013, 37, 1320-1325.	1.4	17
30	Indium-Promoted Diastereoselective Addition of Fluorinated Haloallylic Derivatives to Imines. <i>Journal of Organic Chemistry</i> , 2014, 79, 2916-2925.	1.7	17
31	Synthesis of $\beta$ -Fluorinated Acrylates by a Palladium-Catalyzed Decarboxylative Olefination Reaction. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3705-3715.	1.2	17
32	Toward the Synthesis of Fluorinated Analogues of HCV NS3/4A Serine Protease Inhibitors Using Methyl $\beta$ -Amino- $\beta$ -fluoro- $\beta$ -vinylcyclopropanecarboxylate as Key Intermediate. <i>Organic Letters</i> , 2015, 17, 2968-2971.	2.4	16
33	<i>S</i> -(Diethyl phosphonodifluoromethyl)Benzenesulfonothioate: A New Reagent for the Synthesis of SCF <sub>2</sub> PO(OEt) <sub>2</sub> -containing Molecules. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 760-764.	2.1	16
34	Copper-catalyzed direct C-H fluoroalkenylation of heteroarenes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 353-357.	1.5	15
35	Synthesis of tetrasubstituted $\beta$ -fluoroenones. <i>Tetrahedron</i> , 2009, 65, 6034-6038.	1.0	14
36	Metal-Catalyzed Direct C-H Fluoroalkenylation of Pyridine N-Oxides and Related Derivatives. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3049-3054.	1.2	14

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37	Synthesis of $\beta$ -Trifluoromethylacrylates by Ligand-Free Palladium-Catalyzed Mizoroki-Heck Reaction. <i>Journal of Organic Chemistry</i> , 2019, 84, 2072-2082.	1.7	14
38	Diethylzinc-Mediated Addition of 2,2-Dibromo-2-fluoroacetamides to Carbonyl Compounds: Synthesis of $\beta$ -Bromo- $\beta$ -fluoro- $\beta$ -hydroxy Amides and/or ( <i>Z</i> )-Fluorovinyl Amides. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3278-3289.	1.2	13
39	Access to Trisubstituted Fluoroalkenes by Ruthenium-Catalyzed Cross-Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2140-2147.	2.1	13
40	Ethyl dibromofluoroacetate: a versatile reagent for the synthesis of fluorinated molecules. <i>Tetrahedron</i> , 2013, 69, 11039-11055.	1.0	11
41	6-Azido d-galactose transfer to N-acetyl-d-glucosamine derivative using commercially available $\beta$ -1,4-galactosyltransferase. <i>Tetrahedron Letters</i> , 2008, 49, 2294-2297.	0.7	10
42	A practical and straightforward access to fluorinated homoallylic alcohols in aqueous media. <i>Tetrahedron Letters</i> , 2013, 54, 2821-2824.	0.7	9
43	Efficient access to fluorinated homoallylic alcohols through an indium promoted fluoroallylation reaction. <i>Tetrahedron</i> , 2014, 70, 3123-3133.	1.0	9
44	Transition metal-free stereospecific access to (E)-(1-fluoro-2-arylvinyl)phosphine borane complexes. <i>Chemical Communications</i> , 2017, 53, 2048-2051.	2.2	9
45	Organocatalyzed Sulfa-Michael Addition of Thiophenols on Trisubstituted $\beta$ -Fluoroacrylates, a Straightforward Access to Chiral Fluorinated Compounds. <i>Journal of Organic Chemistry</i> , 2020, 85, 14055-14067.	1.7	8
46	Biocatalytic Strategy for the Highly Stereoselective Synthesis of CHF <sub>2</sub> -Containing Trisubstituted Cyclopropanes. <i>Angewandte Chemie</i> , 2021, 133, 7148-7152.	1.6	7
47	Metal-Catalyzed Metathesis of Fluorinated Alkenes: Still a Current Major Challenge. <i>ACS Catalysis</i> , 2021, 11, 12307-12323.	5.5	7
48	Ligand Free Palladium-Catalyzed Synthesis of $\beta$ -Trifluoromethylacrylic Acids and Related Acrylates by Three-Component Reaction. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 949-954.	2.1	6
49	Effect of Fluorination on Skin Sensitization Potential and Fragrant Properties of Cinnamyl Compounds. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800013.	1.0	5
50	Ligand-free palladium-catalyzed Mizoroki-Heck reaction to synthesize valuable $\beta$ -trifluoromethylacrylates. <i>Journal of Fluorine Chemistry</i> , 2020, 233, 109483.	0.9	5
51	Ring-closing metathesis of fluoroalkenes toward the synthesis of fluorinated heterocycles containing an oxaza bond. <i>Comptes Rendus Chimie</i> , 2018, 21, 740-748.	0.2	4
52	Fluorocyclopropane-Containing Proline Analogue: Synthesis and Conformation of an Item in the Peptide Chemists' Toolbox. <i>ACS Omega</i> , 2022, 7, 4868-4878.	1.6	4
53	Catalytic Asymmetric Syntheses of Alkylidenecyclopropanes from Allenates with Donor-Acceptor and Diaceptor Diazo Reagents. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
54	Phospha-Michael Addition on $\beta$ -Fluorinated Acrylates: A Straightforward Access to Polyfunctionalized Fine Chemicals. <i>Journal of Organic Chemistry</i> , 2022, 87, 9210-9221.	1.7	3

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55	Direct Synthesis of Benzoylpyridines from Chloropyridines via a Palladium-Carbene Catalyzed Carbonylative Suzuki Cross-Coupling Reaction. <i>Synlett</i> , 2003, 2003, 1874-1876.	1.0	2
56	Catalytic Synthesis and Asymmetric Reduction of Pyridylglyoxylic Amides and Esters. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 289-298.	2.1	2
57	Palladium-Catalysed Oxidative Decarboxylative Cross-Coupling of Heteroarenes with CF <sub>3</sub> -Acrylic Acids. <i>ChemistrySelect</i> , 2021, 6, 7367-7371.	0.7	1
58	Frontispiece: <i>gem</i> -Heteroatom-Substituted Fluoroalkenes as Mimics of Amide Derivatives or Phosphates: A Comprehensive Review. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0