

Julien Christian Vantourout

List of Publications by Year in descending order

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42
papers

3,044
citations

218381

26
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276539

41
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54
all docs

54
docs citations

54
times ranked

2752
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survival Guide for the "Electro-curious": Accounts of Chemical Research, 2020, 53, 72-83.	7.6	431
2	Mechanistic Development and Recent Applications of the Chan-Lam Amination. Chemical Reviews, 2019, 119, 12491-12523.	23.0	276
3	Spectroscopic Studies of the Chan-Lam Amination: A Mechanism-Inspired Solution to Boronic Ester Reactivity. Journal of the American Chemical Society, 2017, 139, 4769-4779.	6.6	264
4	Electrochemically Enabled, Nickel-Catalyzed Amination. Angewandte Chemie - International Edition, 2017, 56, 13088-13093.	7.2	252
5	Electrochemically Driven, Ni-Catalyzed Aryl Amination: Scope, Mechanism, and Applications. Journal of the American Chemical Society, 2019, 141, 6392-6402.	6.6	251
6	Unlocking P(V): Reagents for chiral phosphorothioate synthesis. Science, 2018, 361, 1234-1238.	6.0	160
7	A Radical Approach to Anionic Chemistry: Synthesis of Ketones, Alcohols, and Amines. Journal of the American Chemical Society, 2019, 141, 6726-6739.	6.6	148
8	Expanding Reactivity in DNA-Encoded Library Synthesis via Reversible Binding of DNA to an Inert Quaternary Ammonium Support. Journal of the American Chemical Society, 2019, 141, 9998-10006.	6.6	119
9	Chan-Evans-Lam Amination of Boronic Acid Pinacol (BPin) Esters: Overcoming the Aryl Amine Problem. Journal of Organic Chemistry, 2016, 81, 3942-3950.	1.7	106
10	Electroreductive Olefin-Ketone Coupling. Journal of the American Chemical Society, 2020, 142, 20979-20986.	6.6	86
11	Electrochemical Nozaki-Hiyama-Kishi Coupling: Scope, Applications, and Mechanism. Journal of the American Chemical Society, 2021, 143, 9478-9488.	6.6	78
12	Cobalt-electrocatalytic HAT for functionalization of unsaturated C=C bonds. Nature, 2022, 605, 687-695.	13.7	65
13	Serine-Selective Bioconjugation. Journal of the American Chemical Society, 2020, 142, 17236-17242.	6.6	58
14	Mechanistic Insight Enables Practical, Scalable, Room Temperature Chan-Lam <i>N</i> -Arylation of <i>N</i> -Aryl Sulfonamides. ACS Catalysis, 2018, 8, 9560-9566.	5.5	57
15	Enantiodivergent Formation of C-P Bonds: Synthesis of P-Chiral Phosphines and Methylphosphonate Oligonucleotides. Journal of the American Chemical Society, 2020, 142, 5785-5792.	6.6	56
16	Synthesis of Strained β -Lactams by Palladium(0)-Catalyzed C(sp ³) ^H Alkenylation and Application to Alkaloid Synthesis. Angewandte Chemie - International Edition, 2016, 55, 2805-2809.	7.2	54
17	DNA Encoded Libraries: A Visitor's Guide. Israel Journal of Chemistry, 2020, 60, 268-280.	1.0	51
18	1,2-Difunctionalized bicyclo[1.1.1]pentanes: Long-sought-after mimetics for <i>ortho</i> / <i>meta</i> -substituted arenes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	50

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19	Carbonyl Desaturation: Where Does Catalysis Stand?. ACS Catalysis, 2021, 11, 883-892.	5.5	45
20	RASS-Enabled S/P ^α C and S ^α N Bond Formation for DEL Synthesis. Angewandte Chemie - International Edition, 2020, 59, 7377-7383.	7.2	44
21	Electrochemically driven desaturation of carbonyl compounds. Nature Chemistry, 2021, 13, 367-372.	6.6	44
22	Nature Chose Phosphates and Chemists Should Too: How Emerging P(V) Methods Can Augment Existing Strategies. ACS Central Science, 2021, 7, 1473-1485.	5.3	41
23	Modular, stereocontrolled C ^α -H/C ^β -C activation of alkyl carboxylic acids. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8721-8727.	3.3	39
24	Electrochemical Decarboxylative C ^α -Alkylation of Heterocycles. Organic Letters, 2020, 22, 7594-7598.	2.4	38
25	A P(V) platform for oligonucleotide synthesis. Science, 2021, 373, 1265-1270.	6.0	38
26	One-Pot Homologation of Boronic Acids: A Platform for Diversity-Oriented Synthesis. Organic Letters, 2015, 17, 6030-6033.	2.4	34
27	High-Throughput Electrochemistry: State of the Art, Challenges, and Perspective. Organic Process Research and Development, 2021, 25, 2587-2600.	1.3	27
28	From Bench to Plant: An Opportunity for Transition Metal Paired Electrocatalysis. Organic Process Research and Development, 2021, 25, 2581-2586.	1.3	24
29	Electrochemical Cyclobutane Synthesis in Flow: Scale-Up of a Promising Melt-Castable Energetic Intermediate. Organic Process Research and Development, 2021, 25, 2639-2645.	1.3	19
30	Mild and Chemoselective Phosphorylation of Alcohols Using a ^β -Reagent. Organic Letters, 2021, 23, 9337-9342.	2.4	13
31	Synthetic Elaboration of Native DNA by RASS (SENDR). ACS Central Science, 2020, 6, 1789-1799.	5.3	12
32	Discovery, Scope, and Limitations of an ^α -Dealkylation/ ^α -Arylation of Secondary Sulfonamides under Chan-Lam Conditions. Asian Journal of Organic Chemistry, 2020, 9, 364-367.	1.3	11
33	Cu(OTf) ₂ -Mediated Cross-Coupling of Nitriles and ^α -Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. Angewandte Chemie - International Edition, 2021, 60, 7935-7940.	7.2	11
34	RASS-Enabled S/P ^α C and S ^α N Bond Formation for DEL Synthesis. Angewandte Chemie, 2020, 132, 7447-7453.	1.6	9
35	Mn-Mediated ^β -Radical Addition of Carbonyls to Olefins: Systematic Study, Scope, and Electrocatalysis. Journal of Organic Chemistry, 2022, 87, 5690-5702.	1.7	6
36	Electrochemical Trifluoromethylselenolation of Activated Alkyl Halides. European Journal of Organic Chemistry, 0, , .	1.2	5

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37	Novel tricyclic glycal-based <i>TRIB1</i> inducers that reprogram LDL metabolism in hepatic cells. <i>MedChemComm</i> , 2018, 9, 1831-1842.	3.5	4
38	<i>In Vivo</i> Half-Life Extension of BMP1/TLL Metalloproteinase Inhibitors Using Small-Molecule Human Serum Albumin Binders. <i>Bioconjugate Chemistry</i> , 2021, 32, 279-289.	1.8	4
39	Convergent synthesis of (R)-silodosin via decarboxylative cross-coupling. <i>Tetrahedron Letters</i> , 2021, 79, 153290.	0.7	2
40	Electrogenerated thianthrenium conjugate enables (Z)-selective allylic amination. <i>Trends in Chemistry</i> , 2022, 4, 569-572.	4.4	2
41	Conventional and Bioinspired Syntheses of Monoterpene Indole Alkaloids. <i>Studies in Natural Products Chemistry</i> , 2018, 55, 1-29.	0.8	0
42	Cu(OTf) ₂ Mediated Cross-Coupling of Nitriles and N-Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. <i>Angewandte Chemie</i> , 2021, 133, 8014-8019.	1.6	0