

Julien Christian Vantourout

List of Publications by Year in descending order

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42
papers

3,044
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218381

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docs citations

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times ranked

2752
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#	ARTICLE	IF	CITATIONS
1	Mn-Mediated $\dot{\text{I}}^{\pm}$ -Radical Addition of Carbonyls to Olefins: Systematic Study, Scope, and Electrocatalysis. <i>Journal of Organic Chemistry</i> , 2022, 87, 5690-5702.	1.7	6
2	Electrogenerated thianthrenium conjugate enables (Z)-selective allylic amination. <i>Trends in Chemistry</i> , 2022, 4, 569-572.	4.4	2
3	Cobalt-electrocatalytic HAT for functionalization of unsaturated C=C bonds. <i>Nature</i> , 2022, 605, 687-695.	13.7	65
4	Electrochemical Cyclobutane Synthesis in Flow: Scale-Up of a Promising Melt-Castable Energetic Intermediate. <i>Organic Process Research and Development</i> , 2021, 25, 2639-2645.	1.3	19
5	<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
6	Cu(OTf) ₂ -Mediated Cross-Coupling of Nitriles and N-Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7935-7940.	7.2	11
7	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
8	Electrochemically driven desaturation of carbonyl compounds. <i>Nature Chemistry</i> , 2021, 13, 367-372.	6.6	44
9	From Bench to Plant: An Opportunity for Transition Metal Paired Electrocatalysis. <i>Organic Process Research and Development</i> , 2021, 25, 2581-2586.	1.3	24
10	Electrochemical Nozaki-Hiyama-Kishi Coupling: Scope, Applications, and Mechanism. <i>Journal of the American Chemical Society</i> , 2021, 143, 9478-9488.	6.6	78
11	1,2-Difunctionalized bicyclo[1.1.1]pentanes: Long-sought-after mimetics for <i>ortho</i> / <i>meta</i> -substituted arenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	50
12	Convergent synthesis of (R)-silodosin via decarboxylative cross-coupling. <i>Tetrahedron Letters</i> , 2021, 79, 153290.	0.7	2
13	High-Throughput Electrochemistry: State of the Art, Challenges, and Perspective. <i>Organic Process Research and Development</i> , 2021, 25, 2587-2600.	1.3	27
14	Mild and Chemoselective Phosphorylation of Alcohols Using a $\dot{\text{I}}$ -Reagent. <i>Organic Letters</i> , 2021, 23, 9337-9342.	2.4	13
15	Nature Chose Phosphates and Chemists Should Too: How Emerging P(V) Methods Can Augment Existing Strategies. <i>ACS Central Science</i> , 2021, 7, 1473-1485.	5.3	41
16	A P(V) platform for oligonucleotide synthesis. <i>Science</i> , 2021, 373, 1265-1270.	6.0	38
17	Carbonyl Desaturation: Where Does Catalysis Stand?. <i>ACS Catalysis</i> , 2021, 11, 883-892.	5.5	45
18	Discovery, Scope, and Limitations of an <i>N</i> -Dealkylation/ <i>N</i> -Arylation of Secondary Sulfonamides under Chan-Lam Conditions. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 364-367.	1.3	11

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19	A Survival Guide for the "Electro-curious". <i>Accounts of Chemical Research</i> , 2020, 53, 72-83.	7.6	431
20	Synthetic Elaboration of Native DNA by RASS (SENDR). <i>ACS Central Science</i> , 2020, 6, 1789-1799.	5.3	12
21	Electroreductive Olefin-Ketone Coupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 20979-20986.	6.6	86
22	Serine-Selective Bioconjugation. <i>Journal of the American Chemical Society</i> , 2020, 142, 17236-17242.	6.6	58
23	Electrochemical Decarboxylative <i>N</i> -Alkylation of Heterocycles. <i>Organic Letters</i> , 2020, 22, 7594-7598.	2.4	38
24	RASS-Enabled S/P ^α C and S ^α N Bond Formation for DEL Synthesis. <i>Angewandte Chemie</i> , 2020, 132, 7447-7453.	1.6	9
25	Enantiodivergent Formation of C ^α P Bonds: Synthesis of P-Chiral Phosphines and Methylphosphonate Oligonucleotides. <i>Journal of the American Chemical Society</i> , 2020, 142, 5785-5792.	6.6	56
26	RASS-Enabled S/P ^α C and S ^α N Bond Formation for DEL Synthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7377-7383.	7.2	44
27	DNA Encoded Libraries: A Visitor's Guide. <i>Israel Journal of Chemistry</i> , 2020, 60, 268-280.	1.0	51
28	Expanding Reactivity in DNA-Encoded Library Synthesis via Reversible Binding of DNA to an Inert Quaternary Ammonium Support. <i>Journal of the American Chemical Society</i> , 2019, 141, 9998-10006.	6.6	119
29	Modular, stereocontrolled C ^α H/C ^β activation of alkyl carboxylic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8721-8727.	3.3	39
30	Electrochemically Driven, Ni-Catalyzed Aryl Amination: Scope, Mechanism, and Applications. <i>Journal of the American Chemical Society</i> , 2019, 141, 6392-6402.	6.6	251
31	A Radical Approach to Anionic Chemistry: Synthesis of Ketones, Alcohols, and Amines. <i>Journal of the American Chemical Society</i> , 2019, 141, 6726-6739.	6.6	148
32	Mechanistic Development and Recent Applications of the Chan-Lam Amination. <i>Chemical Reviews</i> , 2019, 119, 12491-12523.	23.0	276
33	Conventional and Bioinspired Syntheses of Monoterpene Indole Alkaloids. <i>Studies in Natural Products Chemistry</i> , 2018, 55, 1-29.	0.8	0
34	Mechanistic Insight Enables Practical, Scalable, Room Temperature Chan-Lam <i>N</i> -Arylation of <i>N</i> -Aryl Sulfonamides. <i>ACS Catalysis</i> , 2018, 8, 9560-9566.	5.5	57
35	Novel tricyclic glycol-based <i>TRIB1</i> inducers that reprogram LDL metabolism in hepatic cells. <i>MedChemComm</i> , 2018, 9, 1831-1842.	3.5	4
36	Unlocking P(V): Reagents for chiral phosphorothioate synthesis. <i>Science</i> , 2018, 361, 1234-1238.	6.0	160

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37	Spectroscopic Studies of the Chan–Lam Amination: A Mechanism-Inspired Solution to Boronic Ester Reactivity. <i>Journal of the American Chemical Society</i> , 2017, 139, 4769-4779.	6.6	264
38	Electrochemically Enabled, Nickel-Catalyzed Amination. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13088-13093.	7.2	252
39	Synthesis of Strained β -Lactams by Palladium(O)-Catalyzed $C(sp^3)H$ Alkenylation and Application to Alkaloid Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2805-2809.	7.2	54
40	Chan–Evans–Lam Amination of Boronic Acid Pinacol (BPin) Esters: Overcoming the Aryl Amine Problem. <i>Journal of Organic Chemistry</i> , 2016, 81, 3942-3950.	1.7	106
41	One-Pot Homologation of Boronic Acids: A Platform for Diversity-Oriented Synthesis. <i>Organic Letters</i> , 2015, 17, 6030-6033.	2.4	34
42	Electrochemical Trifluoromethylselenolation of Activated Alkyl Halides. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	5