

Wesley A Chalifoux

List of Publications by Year in descending order

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40
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1,922
citations

318942

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371746

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47
times ranked

2183
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkyne benzannulations in the preparation of contorted nanographenes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2372-2386.	1.5	25
2	Synthesis and Structure of a Strained, Cyclic <i>meta</i> -Quaterphenylene Acetylene. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4522-4527.	1.2	1
3	Four-Fold Alkyne Benzannulation: Synthesis, Properties, and Structure of Pyreno[<i>a</i>]pyrene-Based Helicene Hybrids. <i>Organic Letters</i> , 2019, 21, 8652-8656.	2.4	32
4	Synthesis of Dihydroisobenzofuran Carboxaldehyde Derivatives by a Silver-Catalyzed Sequential Protodesilylation/Cyclization/Oxidation Reaction. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1225-1228.	1.2	2
5	Synthesis, Structure, Photophysical Properties, and Photostability of Benzodipyrenes. <i>Chemistry - A European Journal</i> , 2019, 25, 1441-1445.	1.7	18
6	Nanographene and Graphene Nanoribbon Synthesis via Alkyne Benzannulations. <i>Molecules</i> , 2019, 24, 118.	1.7	58
7	Innentitelbild: Highly Regioselective Domino Benzannulation Reaction of Buta-1,3-diyne To Construct Irregular Nanographenes (<i>Angew. Chem.</i> 45/2018). <i>Angewandte Chemie</i> , 2018, 130, 14870-14870.	1.6	0
8	Expanding the scope of peropyrenes and teropyrenes through a facile InCl_3 -catalyzed multifold alkyne benzannulation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2288-2295.	2.3	37
9	Highly Regioselective Domino Benzannulation Reaction of Buta-1,3-diyne To Construct Irregular Nanographenes. <i>Angewandte Chemie</i> , 2018, 130, 14989-14993.	1.6	19
10	Highly Regioselective Domino Benzannulation Reaction of Buta-1,3-diyne To Construct Irregular Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14773-14777.	7.2	48
11	One-Pot Domino Friedel-Crafts Acylation/Annulation between Alkynes and 2-Methoxybenzoyl Chlorides: Synthesis of 2,3-Disubstituted Chromen-4-one Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 9929-9938.	1.7	11
12	Rapid π -Extension of Aromatics via Alkyne Benzannulations. <i>Synlett</i> , 2017, 28, 625-632.	1.0	54
13	New thiophene-functionalized pyrene, peropyrene, and teropyrene via a two- or four-fold alkyne annulation and their photophysical properties. <i>Canadian Journal of Chemistry</i> , 2017, 95, 341-345.	0.6	31
14	$\hat{\text{T}}^2$ -Silyl-Assisted Tandem Diels-Alder/Nazarov Reaction of 1-Aryl-3-(trimethylsilyl) Ynones. <i>Organic Letters</i> , 2017, 19, 2592-2595.	2.4	11
15	The Synthesis of Nonplanar, Helically Coiled Graphene Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8048-8050.	7.2	13
16	Chiral Peropyrene: Synthesis, Structure, and Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 13102-13109.	6.6	99
17	One-Pot Synthesis of $\hat{\text{T}}^{\pm}$ -Carbonyl Bicyclic Furans via a Sequential Diels-Alder/5-Exo-Dig Cyclization/Oxidation Reaction. <i>Journal of Organic Chemistry</i> , 2017, 82, 12920-12927.	1.7	15
18	Die Synthese von nichtplanaren, helikalen Graphen-Nanobändern. <i>Angewandte Chemie</i> , 2017, 129, 8160-8162.	1.6	2

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19	One-pot synthesis of [6-5-6] tricyclic products via a double Diels-Alder/Nazarov tandem reaction of unsymmetrically substituted cross-conjugated diynones. <i>Tetrahedron</i> , 2017, 73, 4084-4092.	1.0	8
20	Polymerization of acetylene: polyynes, but not carbyne. <i>Organic Chemistry Frontiers</i> , 2017, 4, 668-674.	2.3	13
21	Synthesis of 2-Alkynyl-1,4-cyclohexadienes via a Diels-Alder Reaction of Conjugated 2,4-Diynones. <i>Synlett</i> , 2016, 27, 2161-2166.	1.0	7
22	Nonlinear Optical Properties of Polyynes: An Experimental Prediction for Carbyne. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11131-11139.	1.5	28
23	Pyrenes, Peropyrenes, and Teropyrenes: Synthesis, Structures, and Photophysical Properties. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10427-10430.	7.2	81
24	Pyrenes, Peropyrenes, and Teropyrenes: Synthesis, Structures, and Photophysical Properties. <i>Angewandte Chemie</i> , 2016, 128, 10583-10586.	1.6	37
25	Multicomponent Double Diels-Alder/Nazarov Tandem Cyclization of Symmetric Cross-Conjugated Diynones to Generate [6-5-6] Tricyclic Products. <i>Chemistry - A European Journal</i> , 2016, 22, 8781-8785.	1.7	18
26	Bottom-Up Synthesis of Soluble and Narrow Graphene Nanoribbons Using Alkyne Benzannulations. <i>Journal of the American Chemical Society</i> , 2016, 138, 9137-9144.	6.6	181
27	Highly Regio- and Diastereoselective Formation of Tetrasubstituted (<i>Z</i>)-1,2-Dihaloalkenes from the Halogenation of Trimethylsilyl Alkynes with ICl. <i>Organic Letters</i> , 2015, 17, 3334-3337.	2.4	30
28	Adamantyl-terminated polyynes. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 69-76.	0.9	25
29	Direct and highly regioselective and enantioselective allylation of β^2 -diketones. <i>Nature</i> , 2012, 487, 86-89.	13.7	43
30	Bent polyynes: ring geometry studied by Raman and IR spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 95-101.	1.2	27
31	Photogenerated cumulenic structure of adamantyl endcapped linear carbon chains: An experimental and computational investigation based on infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2011, 134, 124512.	1.2	22
32	Synthesis of polyynes to model the sp-carbon allotrope carbyne. <i>Nature Chemistry</i> , 2010, 2, 967-971.	6.6	461
33	Toward carbyne: Synthesis and stability of really long polyynes. <i>Pure and Applied Chemistry</i> , 2010, 82, 891-904.	0.9	59
34	<i>tert</i> -Butyl-End-Capped Polyynes: Crystallographic Evidence of Reduced Bond Length Alternation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7915-7919.	7.2	80
35	Synthesis of extended polyynes: Toward carbyne. <i>Comptes Rendus Chimie</i> , 2009, 12, 341-358.	0.2	118
36	Mechanistic Aspects of Alkyne Migration in Alkylidene Carbenoid Rearrangements. <i>Organic Letters</i> , 2009, 11, 519-522.	2.4	33

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37	Evidence for Solution-State Nonlinearity of sp-Carbon Chains Based on IR and Raman Spectroscopy: Violation of Mutual Exclusion. <i>Journal of the American Chemical Society</i> , 2009, 131, 4239-4244.	6.6	93
38	Tris(biphenyl-4-yl)silyl-Endcapped Polyynes. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1001-1006.	1.2	30
39	Polyyne synthesis using carbene/carbenoid rearrangements. <i>Chemical Record</i> , 2006, 6, 169-182.	2.9	45
40	Extended Helical Nanographenes: Synthesis and Photophysical Properties of Naphtho[1,2-a]pyrenes**. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	2