

John K Snyder

List of Publications by Year in descending order

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98
times ranked

2450
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#	ARTICLE	IF	CITATIONS
1	Metabolic Dynamics and Prediction of Gestational Age and Time to Delivery in Pregnant Women. <i>Cell</i> , 2020, 181, 1680-1692.e15.	28.9	154
2	Synthesis of 5,6,7,8-Tetrahydro-1,6-naphthyridines and Related Heterocycles by Cobalt-Catalyzed [2 + 2 + 2] Cyclizations. <i>Organic Letters</i> , 2007, 9, 393-396.	4.6	108
3	Use of carboxylic acids as chiral solvating agents for the determination of optical purity of chiral amines by NMR spectroscopy. <i>Journal of Organic Chemistry</i> , 1988, 53, 5335-5341.	3.2	102
4	Asymmetric oxidation of olefins to vicinal diols with osmium tetroxide. <i>Tetrahedron Letters</i> , 1986, 27, 3951-3954.	1.4	98
5	Indole as a dienophile in inverse electron demand Diels-Alder reactions: reactions with 1,2,4-triazines and 1,2-diazines. <i>Journal of Organic Chemistry</i> , 1990, 55, 3257-3269.	3.2	90
6	Remodelling of the natural product fumagillol employing a reaction discovery approach. <i>Nature Chemistry</i> , 2011, 3, 969-973.	13.6	83
7	Indole as a dienophile in inverse electron demand Diels-Alder reactions. 3. Intramolecular reactions with 1,2,4-triazines to access the canthine skeleton. <i>Journal of Organic Chemistry</i> , 1992, 57, 5285-5287.	3.2	79
8	Intramolecular Inverse Electron Demand Diels-Alder Reactions of Tryptamine with Tethered Heteroaromatic Azadienes. <i>Tetrahedron</i> , 2000, 56, 1165-1180.	1.9	75
9	Ultrasound-promoted cycloadditions in the synthesis of <i>Salvia miltiorrhiza</i> abietanoid o-quinones. <i>Journal of Organic Chemistry</i> , 1990, 55, 4995-5008.	3.2	69
10	New Antimicrobial Flavanones from <i>Physena madagascariensis</i> . <i>Journal of Natural Products</i> , 2000, 63, 1082-1089.	3.0	63
11	Intramolecular Inverse-Electron-Demand Diels-Alder Reactions of Imidazoles with 1,2,4-Triazines: A New Route to 1,2,3,4-Tetrahydro-1,5-naphthyridines and Related Heterocycles. <i>Journal of Organic Chemistry</i> , 2004, 69, 7171-7182.	3.2	62
12	Diosgenin-bearing, molluscicidal saponins from <i>Allium vineale</i> : an NMR approach for the structural assignment of oligosaccharide units. <i>Journal of Organic Chemistry</i> , 1989, 54, 3679-3689.	3.2	59
13	Indole as a dienophile in inverse electron demand Diels-Alder reactions. 5H-Pyridazino[4,5-b]indoles as cycloadducts with 3,6-dicarbomethoxy-1,2,4,5-tetrazine. <i>Journal of Organic Chemistry</i> , 1987, 52, 4610-4614.	3.2	58
14	A New Chiral Anthracene for the Asymmetric Diels-Alder/Retro-Diels-Alder Sequence. <i>Organic Letters</i> , 2005, 7, 31-34.	4.6	57
15	Optically pure chiral sulfoxides using ephedrine as a chiral auxiliary. <i>Tetrahedron Letters</i> , 1991, 32, 5885-5888.	1.4	53
16	Pyrrrole as a dienophile in intramolecular inverse electron-demand Diels-Alder reactions with 1,2,4-triazines. <i>Journal of Organic Chemistry</i> , 1993, 58, 516-519.	3.2	53
17	Inhibiting the oncogenic translation program is an effective therapeutic strategy in multiple myeloma. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	53
18	Asymmetric syntheses of <i>Salvia miltiorrhiza</i> abietanoid o-quinones: methyl tanshinonate, tanshinone IIB, tanshindiol B and 3-hydroxytanshinone. <i>Journal of Organic Chemistry</i> , 1990, 55, 5008-5013.	3.2	50

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19	Stereoselective Diels-Alder Reactions of Chiral Anthracenes. <i>Organic Letters</i> , 2000, 2, 2527-2530.	4.6	44
20	Discovery of new antimalarial chemotypes through chemical methodology and library development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6775-6780.	7.1	42
21	Chapter 6.2 Six-membered ring systems: Diazines and benzo derivatives. <i>Progress in Heterocyclic Chemistry</i> , 2002, , 279-309.	0.5	41
22	Dienophilicity of imidazole in inverse electron demand Diels-Alder reactions: cycloadditions with 1,2,4,5-tetrazines and the structure of zarzissine. <i>Tetrahedron</i> , 2001, 57, 5497-5507.	1.9	40
23	Selective oxidation of canthines to canthin-6-ones with triethylbenzylammonium permanganate. <i>Tetrahedron Letters</i> , 1994, 35, 1485-1488.	1.4	37
24	Transition Metal-Catalyzed [4 + 2 + 2] Cycloadditions of Bicyclo[2.2.1]hepta-2,5-dienes (Norbornadienes) and Bicyclo[2.2.2]octa-2,5-dienes. <i>Journal of Organic Chemistry</i> , 2001, 66, 6932-6942.	3.2	37
25	Cycloadditions of chiral anthracenes: effect of the trifluoromethyl group. <i>Tetrahedron Letters</i> , 2003, 44, 931-935.	1.4	37
26	Direct Conversion of Heteroaromatic Esters to Methyl Ketones with Trimethylaluminum: Nonsymmetrically Disubstituted 1,2,4,5-Tetrazines. <i>Journal of Organic Chemistry</i> , 1998, 63, 10063-10068.	3.2	35
27	A new, chiral aminoanthracene for the Diels-Alder/retro-Diels-Alder sequence in lactam and butenolide synthesis. <i>Tetrahedron Letters</i> , 2005, 46, 2475-2478.	1.4	35
28	Development of a New Cobalt Catalyst System for the [4 + 2 + 2] Cycloadditions of Functionalized Norbornadienes and Butadiene. <i>Organometallics</i> , 2002, 21, 4688-4695.	2.3	34
29	Indole as a dienophile in inverse electron demand diels-alder and related reactions. <i>Advances in Cycloaddition</i> , 1999, , 119-171.	0.5	33
30	Intramolecular Rhodium-Catalyzed [2+2+2] Cyclizations of Diynes with Enones. <i>Journal of Organic Chemistry</i> , 2009, 74, 2907-2910.	3.2	32
31	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741.	11.3	32
32	A facile preparation of pyrrolo[3,4-b]indoles. <i>Tetrahedron Letters</i> , 1997, 38, 8611-8614.	1.4	31
33	Chiral anthracene and anthrone templates as stereocontrolling elements in Diels-Alder/retro Diels-Alder sequences. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 5299-5309.	3.0	31
34	Core as a Novel Viral Target for Hepatitis C Drugs. <i>Viruses</i> , 2010, 2, 1734-1751.	3.3	31
35	Inverse electron-demand Diels-Alder chemistry in the synthesis of a regioselectively protected analogue of the staurosporine aglycone. <i>Tetrahedron Letters</i> , 2001, 42, 7929-7933.	1.4	30
36	Convergent Synthesis of a Complex Oxime Library Using Chemical Domain Shuffling. <i>Organic Letters</i> , 2005, 7, 2751-2754.	4.6	30

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37	Inverse electron demand Diels-Alder reactions of indole V. Reactions of 3-substituted indoles with heteroaromatic azadienes. <i>Tetrahedron Letters</i> , 1996, 37, 5061-5064.	1.4	28
38	Dienophilicity of Imidazole in Inverse Electron Demand Diels-Alder Reactions. 4. Intermolecular Reactions with 1,2,4-Triazines. <i>Journal of Organic Chemistry</i> , 2003, 68, 4345-4354.	3.2	28
39	Inverse electron demand diels-alder reactions of indole IV. A new route to $\hat{1}^2$ -carbolines. <i>Tetrahedron Letters</i> , 1995, 36, 6591-6594.	1.4	26
40	Remodeling of Fumagillol: Discovery of an Oxygen-Directed Oxidative Mannich Reaction. <i>Organic Letters</i> , 2014, 16, 792-795.	4.6	26
41	Metal-Catalyzed [4 + 2 + 2] Cycloadditions: Cycloadducts of Substituted Norbornadienes and Their Opening with Zeise's Dimer. <i>Journal of Organic Chemistry</i> , 1998, 63, 2060-2061.	3.2	25
42	Preparation and dienophilicity of 3-methyl-4,5-benzofurandione. <i>Tetrahedron Letters</i> , 1987, 28, 3427-3430.	1.4	24
43	Asymmetric oxidation of $\hat{1}^2$ -ketoesters with benzoyl peroxide; enantioselective formation of protected tertiary alcohols. <i>Tetrahedron Letters</i> , 1991, 32, 5899-5902.	1.4	24
44	Library Synthesis Using 5,6,7,8-Tetrahydro-1,6-naphthyridines as Scaffolds. <i>ACS Combinatorial Science</i> , 2008, 10, 534-540.	3.3	24
45	A Time-Resolved Fluorescence Resonance Energy Transfer Assay for Identifying Inhibitors of Hepatitis C Virus Core Dimerization. <i>Assay and Drug Development Technologies</i> , 2010, 8, 96-105.	1.2	24
46	New small molecule inhibitors of hepatitis C virus. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6926-6930.	2.2	23
47	Lenticellarine, a molluscicidal alkaloid from <i>Dysoxylum lenticellare</i> . <i>Phytochemistry</i> , 1988, 27, 3789-3792.	2.9	22
48	Preparation, reactivity, and neurotoxicity of tryptamine-4,5-dione. <i>Tetrahedron Letters</i> , 1990, 31, 969-972.	1.4	22
49	Inverse electron demand Diels-Alder reactions of indole. VI. A fully removable tether for intramolecular reactions with 1,2,4-triazines. <i>Tetrahedron Letters</i> , 1998, 39, 2487-2490.	1.4	21
50	Remangilonones A-C, New Cytotoxic Triterpenes from <i>Physemadagascariensis</i> . <i>Journal of Natural Products</i> , 1999, 62, 471-476.	3.0	21
51	Synthesis of Unique Scaffolds via Diels-Alder Cycloadditions of Tetrasubstituted Cyclohexadienes. <i>Organic Letters</i> , 2010, 12, 1592-1595.	4.6	21
52	An intramolecular inverse electron demand Diels-Alder approach to annulated $\hat{1}^2$ -carbolines. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 829-840.	2.2	21
53	Identification of a Broad-Spectrum Inhibitor of Viral RNA Synthesis: Validation of a Prototype Virus-Based Approach. <i>Chemistry and Biology</i> , 2013, 20, 424-433.	6.0	21
54	Camphanylboronic acid, a chiral derivatizing agent for optical purity determination of diols. <i>Tetrahedron Letters</i> , 1988, 29, 6063-6065.	1.4	20

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55	Dienophilicity of Imidazole in Inverse Electron Demand Diels-Alder Reactions; Intramolecular Reactions with 1,2,4-Triazines.. Tetrahedron Letters, 1997, 38, 7499-7502.	1.4	20
56	Potent inhibitors of hepatitis C core dimerization as new leads for anti-hepatitis C agents. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2198-2202.	2.2	20
57	Direct Binding of a Hepatitis C Virus Inhibitor to the Viral Capsid Protein. PLoS ONE, 2012, 7, e32207.	2.5	20
58	Anthracene Cycloadducts as Highly Selective Chiral Auxiliaries. Journal of Organic Chemistry, 2008, 73, 2935-2938.	3.2	19
59	Proton and carbon-13 nmr studies of delpheline, 8,9-methylenedioxyappaconitine and dictyzine. Tetrahedron, 1991, 47, 4299-4316.	1.9	17
60	Dienophilicity of Imidazole in Inverse Electron Demand Diels-Alder Reactions; Intermolecular Reactions with 1,2,4-Triazines.. Tetrahedron Letters, 1997, 38, 7495-7498.	1.4	17
61	Opening the [4 + 2 + 2] Cycloadducts of Bicyclo[2.2.1]hepta-2,5-dienes (Norbornadienes) to Cis-Fused Bicyclo[5.3.0]decanes1. Journal of Organic Chemistry, 2001, 66, 6943-6957.	3.2	17
62	Gallium(III)-Promoted Halocyclizations of 1,6-Diynes. Organic Letters, 2015, 17, 2126-2129.	4.6	17
63	Indium(III)-Catalyzed Hydrative Cyclization of 1,7-Diynyl Ethers. Organic Letters, 2011, 13, 4280-4283.	4.6	16
64	Cobalt-catalyzed [4 + 2 + 2] cycloadditions of bicyclo[2.2.2]octadienes. Tetrahedron Letters, 1999, 40, 1079-1082.	1.4	14
65	A Homo Diels-Alder Approach to Bicyclo[4.2.1]nonanes. Organic Letters, 2002, 4, 2731-2734.	4.6	14
66	Complete spectral assignments of tatsidine by two-dimensional NMR techniques. Magnetic Resonance in Chemistry, 1989, 27, 1057-1064.	1.9	13
67	Notizen: Two New Phloroglucinol Derivatives with Phosphodiesterase Inhibitory Activity from the Leaves of Eucalyptus robusta. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1991, 46, 1275-1277.	0.7	13
68	Tatsidine, a norditerpenoid alkaloid from Delphinium tatsienense. Phytochemistry, 1990, 29, 357-358.	2.9	12
69	PtCl ₂ -Mediated Cyclopropane Opening: A Mechanistic Study. Organometallics, 2008, 27, 410-417.	2.3	12
70	Enantioselective syntheses of candenatenins B and C using a chiral anthracene auxiliary. Tetrahedron Letters, 2010, 51, 1091-1094.	1.4	12
71	Homoerythrina alkaloids of Phelline comosa. Phytochemistry, 1991, 30, 3497-3498.	2.9	11
72	Opening norbornadiene homo Diels-Alder adducts to bicyclic systems. Tetrahedron Letters, 1997, 38, 1477-1480.	1.4	11

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73	Homo Diels-Alder chemistry in the synthesis of portulal: construction of the functionalized hydroazulene core. <i>Tetrahedron Letters</i> , 2005, 46, 703-706.	1.4	11
74	1,2,3,4-Tetrahydro-1,5-naphthyridines and related heterocyclic scaffolds: exploration of suitable chemistry for library development. <i>Tetrahedron</i> , 2007, 63, 5649-5655.	1.9	11
75	A new triterpenoid saponin from the chinese traditional medicine <i>Nothopanax davidii</i> harms (Araliaceae). <i>Tetrahedron</i> , 1994, 50, 11601-11612.	1.9	10
76	PtCl ₂ -Promoted cyclopropane opening in [4+2+2] homo Diels-Alder cycloadducts. <i>Tetrahedron Letters</i> , 2006, 47, 675-678.	1.4	10
77	Interfacial hydration determines orientational and functional dimorphism of sterol-derived Raman tags in lipid-coated nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
78	O-nitromandelic acid: A chiral solvating agent for the NMR determination of chiral diamine enantiomeric purity. <i>Chirality</i> , 1997, 9, 556-562.	2.6	9
79	Guaianolide Sesquiterpene Lactones From <i>Cichorium Intybus</i> (Asteraceae) [1]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2001, 56, 787-796.	0.7	8
80	Truncated <i>Aspidosperma</i> Alkaloid-Like Scaffolds: Unique Structures for the Discovery of New, Bioactive Compounds. <i>Heterocycles</i> , 2012, 84, 135.	0.7	5
81	Remangilone D, a New Bisnoroleanane Triterpene, and a New Flavone from <i>Physena madagascariensis</i> [1]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2001, 56, 1079-1083.	0.7	3
82	Dienophilicity of Imidazole in Inverse Electron Demand Diels-Alder Reactions. Part 4. Intermolecular Reactions with 1,2,4-Triazines.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
83	Intramolecular Inverse-Electron-Demand Diels-Alder Reactions of Imidazoles with 1,2,4-Triazines: A New Route to 1,2,3,4-Tetrahydro-1,5-naphthyridines and Related Heterocycles.. <i>ChemInform</i> , 2005, 36, no.	0.0	0