

John Tsanaktsidis

List of Publications by Year in descending order

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80
papers

1,982
citations

186265
28
h-index

265206
42
g-index

87
all docs

87
docs citations

87
times ranked

1833
citing authors

#	ARTICLE	IF	CITATIONS
1	Cubane: 50 Years Later. <i>Chemical Reviews</i> , 2015, 115, 6719-6745.	47.7	145
2	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3580-3585.	13.8	126
3	The scope for synthesis of macro-RAFT agents by sequential insertion of single monomer units. <i>Polymer Chemistry</i> , 2012, 3, 1879.	3.9	122
4	Highly efficient dehydration of carbohydrates to 5-(chloromethyl)furfural (CMF), 5-(hydroxymethyl)furfural (HMF) and levulinic acid by biphasic continuous flow processing. <i>Green Chemistry</i> , 2011, 13, 1114.	9.0	110
5	CUB-5: A Contoured Aliphatic Pore Environment in a Cubic Framework with Potential for Benzene Separation Applications. <i>Journal of the American Chemical Society</i> , 2019, 141, 3828-3832.	13.7	87
6	Continuous flow hydrogenations using novel catalytic static mixers inside a tubular reactor. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 180-188.	3.7	81
7	Reducing the Cost, Smell, and Toxicity of the Barton Reductive Decarboxylation: Chloroform as the Hydrogen Atom Source. <i>Organic Letters</i> , 2011, 13, 1944-1947.	4.6	51
8	Use of Catalytic Static Mixers for Continuous Flow Gas-Liquid and Transfer Hydrogenations in Organic Synthesis. <i>Organic Process Research and Development</i> , 2017, 21, 1311-1319.	2.7	50
9	Enhancing Multicomponent Metal-Organic Frameworks for Low Pressure Liquid Organic Hydrogen Carrier Separations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6090-6098.	13.8	50
10	The cubane paradigm in bioactive molecule discovery: further scope, limitations and the cyclooctatetraene complement. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6790-6798.	2.8	49
11	Dithiocarbamate RAFT agents with broad applicability – the 3,5-dimethyl-1H-pyrazole-1-carbodithioates. <i>Polymer Chemistry</i> , 2016, 7, 481-492.	3.9	48
12	Pilot-Scale Production of Dimethyl 1,4-Cubanedicarboxylate. <i>Organic Process Research and Development</i> , 2013, 17, 1503-1509.	2.7	47
13	Flow synthesis of tricyclic spiropiperidines as building blocks for the histrionicotoxin family of alkaloids. <i>Tetrahedron</i> , 2010, 66, 6445-6449.	1.9	46
14	Heparin mimetics with anticoagulant activity. <i>Medicinal Research Reviews</i> , 2018, 38, 1582-1613.	10.5	45
15	The reactions of 1,4-dihalocubanes with organolithiums. The case for 1,4-cubadiyl. <i>Journal of the American Chemical Society</i> , 1990, 112, 876-878.	13.7	41
16	Barton Decarboxylation of Cubane-1,4-dicarboxylic Acid: Optimized Procedures for Cubanecarboxylic Acid and Cubane. <i>Synthesis</i> , 1995, 1995, 501-502.	2.3	40
17	Chloroform as a Hydrogen Atom Donor in Barton Reductive Decarboxylation Reactions. <i>Journal of Organic Chemistry</i> , 2013, 78, 6677-6687.	3.2	39
18	Catalytic Static Mixers for the Continuous Flow Hydrogenation of a Key Intermediate of Linezolid (Zyvox). <i>Organic Process Research and Development</i> , 2018, 22, 1448-1452.	2.7	39

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19	Continuous flow photo-initiated RAFT polymerisation using a tubular photochemical reactor. <i>European Polymer Journal</i> , 2016, 80, 200-207.	5.4	36
20	Environmentally Benign Procedures for the Preparation and Isolation of 3-Methylcyclopent-2-en-1-one. <i>Australian Journal of Chemistry</i> , 1997, 50, 921.	0.9	36
21	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie</i> , 2016, 128, 3644-3649.	2.0	34
22	Synthesis of iodocubanes by decarboxylative iodination. <i>Tetrahedron Letters</i> , 1989, 30, 6967-6968.	1.4	31
23	Decarboxylation of Bridgehead Carboxylic Acids by the Barton Procedure. <i>Australian Journal of Chemistry</i> , 1986, 39, 2061.	0.9	30
24	Thermochemical properties of iodinated cubane derivatives. <i>Thermochimica Acta</i> , 2010, 499, 15-20.	2.7	30
25	Synthesis of Bridgehead Halides by Barton Halodecarboxylation. <i>Australian Journal of Chemistry</i> , 1989, 42, 61.	0.9	29
26	Cyclization of N-Butyl-4-pentenylaminyl: Implications for the Cyclization of Alkenylaminyl Radicals. <i>Journal of the American Chemical Society</i> , 1996, 118, 4276-4283.	13.7	29
27	Dimethyl Cubane-1,4-dicarboxylate: A Practical Laboratory Scale Synthesis. <i>Australian Journal of Chemistry</i> , 1997, 50, 189.	0.9	29
28	The Generation of Aminyl Radicals From Sulfenamides. <i>Australian Journal of Chemistry</i> , 1991, 44, 1809.	0.9	28
29	RAFT-Derived Polymer-Drug Conjugates: Poly(hydroxypropyl methacrylamide) (HPMA)-Ethylhydroxycamptothecin (SN-38) Conjugates. <i>ChemMedChem</i> , 2012, 7, 281-291.	3.2	28
30	4-Halogeno-3,5-dimethyl-1H-pyrazole-1-carbodithioates: versatile reversible addition fragmentation chain transfer agents with broad applicability. <i>Polymer International</i> , 2017, 66, 1438-1447.	3.1	28
31	Direct radical substitution on the cubane skeleton. <i>Tetrahedron Letters</i> , 1990, 31, 805-806.	1.4	25
32	Cyclooctatetraene: A Bioactive Cubane Paradigm Complement. <i>Chemistry - A European Journal</i> , 2019, 25, 2729-2734.	3.3	24
33	Synthesis of Bridgehead-Bridgehead Substituted Bicycloalkanes. <i>Australian Journal of Chemistry</i> , 1985, 38, 1705.	0.9	20
34	Efficient synthesis of 5-(chloromethyl)furfural (CMF) from high fructose corn syrup (HFCS) using continuous flow processing. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 541-549.	3.7	19
35	Cyclooctatetraenes through Valence Isomerization of Cubanes: Scope and Limitations. <i>Chemistry - A European Journal</i> , 2019, 25, 2735-2739.	3.3	18
36	Unusual bridgehead reactivity: Formation of [1.1.1]Propellane by 1,3-dehydrobromination of 1-bromobicyclo[1.1.1]Pentane. <i>Tetrahedron Letters</i> , 1990, 31, 5219-5220.	1.4	17

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37	Structure-activity relationships of N-substituted 4-(trifluoromethoxy)benzamidines with affinity for GluN2B-containing NMDA receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 828-830.	2.2	17
38	The cyclization of N-butylpent-4-enylaminyl revisited: a combined theoretical and experimental study. <i>Perkin Transactions II RSC</i> , 2000, , 425-431.	1.1	16
39	Anticoagulant Heparin Mimetics via RAFT Polymerization. <i>Biomacromolecules</i> , 2020, 21, 1009-1021.	5.4	16
40	Preparation of Forced Gradient Copolymers Using Tube-in-Tube Continuous Flow Reactors. <i>Macromolecular Reaction Engineering</i> , 2017, 11, 1600065.	1.5	15
41	Square pegs in round holes. Preparation and intramolecular complexation of cubyl substituted β -cyclodextrins and of an adamantane analogue. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 463-469.	1.3	14
42	Diels-Alder reactions of myrcene using intensified continuous-flow reactors. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 120-126.	2.2	14
43	Enhanced solvolytic reactivity of 1-bromobicyclo[3.1.1]heptane: intermediacy of a stabilised bridgehead carbenium ion. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 833.	2.0	12
44	Synthesis of some bridgehead (trimethylsilyl)polycycloalkanes. Silicon-29 NMR chemical shifts and silicon-29-carbon-13 coupling constants. <i>Organometallics</i> , 1988, 7, 1178-1182.	2.3	12
45	Structure-activity relationship studies of SEN12333 analogues: Determination of the optimal requirements for binding affinities at ± 7 nAChRs through incorporation of known structural motifs. <i>European Journal of Medicinal Chemistry</i> , 2015, 95, 277-301.	5.5	12
46	Poly(2-oxazoline)s with pendant cubane groups. <i>Polymer Chemistry</i> , 2018, 9, 4840-4847.	3.9	12
47	3D-Printed Structured Reactor with Integrated Single-Atom Catalyst Film for Hydrogenation. <i>ChemCatChem</i> , 2022, 14, .	3.7	12
48	The Synthesis of a Cubane-Substituted Dipeptide. <i>Australian Journal of Chemistry</i> , 2012, 65, 690.	0.9	11
49	Enhancing Multicomponent Metal-Organic Frameworks for Low Pressure Liquid Organic Hydrogen Carrier Separations. <i>Angewandte Chemie</i> , 2020, 132, 6146-6154.	2.0	10
50	Intramolecular complexation in modified β -cyclodextrins: a preparative, nuclear magnetic resonance and pH titration study. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 1251-1258.	1.3	9
51	Some Recent Developments in RAFT Polymerization. <i>ACS Symposium Series</i> , 2012, , 243-258.	0.5	9
52	Sulfonated RAFT Copolymers as Heparin Mimetics: Synthesis, Reactivity Ratios, and Anticoagulant Activity. <i>Macromolecular Bioscience</i> , 2020, 20, e2000110.	4.1	9
53	Influence of bis(tributyltin) oxide on aminyl radical cyclizations. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 533.	2.0	7
54	The role of polycyclic frameworks in modulating P2X7 receptor function. <i>Tetrahedron</i> , 2018, 74, 1207-1219.	1.9	7

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55	Cubylcarbanyl Cation: A Fact or Fiction?. <i>Journal of Organic Chemistry</i> , 1997, 62, 5709-5712.	3.2	6
56	Amination of Aryl Halides and Esters Using Intensified Continuous Flow Processing. <i>Molecules</i> , 2015, 20, 17860-17871.	3.8	6
57	Reductive Radical Decarboxylation of Aliphatic Carboxylic Acids. <i>Organic Syntheses</i> , 2012, 89, 471.	1.0	6
58	3D printed nickel catalytic static mixers made by corrosive chemical treatment for use in continuous flow hydrogenation. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 284-296.	3.7	6
59	A Convenient Synthesis of Trimethylsilyl Fluoride. <i>Synthesis</i> , 1988, 1988, 407-407.	2.3	5
60	Durability Study of 3D-Printed Catalytic Static Mixers for Hydrogenations in Chemical Manufacturing. <i>Chemie-Ingenieur-Technik</i> , 2022, 94, 1017-1023.	0.8	5
61	Ab initio study of the homolytic additions of aminyl radicals and ammoniumyl cation radicals to alkenes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 2385.	0.9	4
62	A New Approach to Alkylated Cubanes: the Synthesis of Dimethyl 2-Methylcubane-1,4-dicarboxylate. <i>Australian Journal of Chemistry</i> , 1994, 47, 1647.	0.9	3
63	Selective Bromochlorination of endo-1,4-Dibromotricyclo[5.2.1.0 ^{2,6}]deca-3,8-diene-5,10-dione 10-Ethylene Acetal at the Conjugated Carbon-Carbon Double Bond. <i>Australian Journal of Chemistry</i> , 1994, 47, 963.	0.9	3
64	Dimethyl (±)-2,3-Dimethylcubane-1,4-dicarboxylate. <i>Australian Journal of Chemistry</i> , 1997, 50, 1043.	0.9	3
65	Indirect Monobromination of the Cubane Nucleus. The Synthesis of Dimethyl 2-Bromocubane-1,4-dicarboxylate. <i>Australian Journal of Chemistry</i> , 1998, 51, 593.	0.9	3
66	Investigations of amide bond variation and biaryl modification in analogues of \pm 7 nAChR agonist SEN12333. <i>European Journal of Medicinal Chemistry</i> , 2014, 84, 200-205.	5.5	2
67	STAUDINGER AND RUZICKA'S ALTERED PYRETHROLONE: THE CYCLOPENTADIENONE DIMERS DERIVED FROM PYRETHRIN I. <i>Acta Horticulturae</i> , 2015, , 181-190.	0.2	2
68	A Convenient, Regiospecific Synthesis of Dimethyl 4-Oxocyclopentane-1,3-dicarboxylate. <i>Australian Journal of Chemistry</i> , 1994, 47, 1811.	0.9	1
69	endo-2,4-Dibromo-3a,4,7,7a-tetrahydro-4,7-methanoindene-1,8-dione 8-Ethylene Acetal. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998, 54, 151-152.	0.4	1
70	Rapid Microwave-Assisted Synthesis of N-Aryl 1,2,3,4-Tetrahydroisoquinolines. <i>Australian Journal of Chemistry</i> , 2015, 68, 1890.	0.9	1
71	Frontispiece: Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	13.8	1
72	Synthesis of Imines and Amines from Furfurals Using Continuous Flow Processing. <i>Australian Journal of Chemistry</i> , 2017, 70, 1069.	0.9	1

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73	Dimethyl 2-Methylcubane-1,4-dicarboxylate and Dimethyl 2,3-Dimethylcubane-1,4-dicarboxylate. Acta Crystallographica Section C: Crystal Structure Communications, 1995, 51, 1658-1661.	0.4	0
74	endo-1,4,4-Tribromo-3-methyltricyclo[5.2.1.0 ^{2,6}]dec-8-ene-5,10-dione 10-Ethylene Acetal. Acta Crystallographica Section C: Crystal Structure Communications, 1997, 53, 1916-1917.	0.4	0
75	Size discrimination in intramolecular complexation of modified β -cyclodextrins: β -Cyclodextrin = cyclomaltohexaose. a preparative and nuclear magnetic resonance study Electronic supplementary information (ESI) available: ROESY spectra of 4, 5, 1, 3 and 1. See http://www.rsc.org/suppdata/p1/b1/b107324a/ . Journal of the Chemical Society, Perkin Transactions 1, 2001, , 3361-3364.	1.3	0
76	Inside Cover: RAFT-Derived Polymer-Drug Conjugates: Poly(hydroxypropyl methacrylamide) (HPMA)-7-Ethyl-10-hydroxycamptothecin (SN-38) Conjugates (ChemMedChem 2/2012). ChemMedChem, 2012, 7, 178-178.	3.2	0
77	Protecting keratin fiber with water soluble N-substituted maleimides in high temperature processes. Fibers and Polymers, 2014, 15, 2247-2252.	2.1	0
78	Frontispiz: Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. Angewandte Chemie, 2016, 128, .	2.0	0
79	Cover Image, Volume 66, Issue 11. Polymer International, 2017, 66, i-i.	3.1	0
80	Molecular dynamics in substituted cubanes – a joint crystallographic and solid-state NMR study. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C420-C420.	0.3	0