Thomas R Hoye

List of Publications by Year
in descending order

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165 papers	7,617 citations	47006 47 h-index	62596 80 g-index
170 all docs	170 docs citations	170 times ranked	6981 citing authors

#	Article	IF	Citations
1	Mosher ester analysis for the determination of absolute configuration of stereogenic (chiral) carbinol carbons. Nature Protocols, 2007, 2, 2451-2458.	12.0	655
2	The hexadehydro-Dielsâ€“Alder reaction. Nature, 2012, 490, 208-212.	27.8	376
3	A guide to small-molecule structure assignment through computation of (1H and 13C) NMR chemical shifts. Nature Protocols, 2014, 9, 643-660.	12.0	334
4	Mixture of new sulfated steroids functions as a migratory pheromone in the sea lamprey. Nature Chemical Biology, 2005, 1, 324-328.	8.0	222
5	Relay Ring-Closing Metathesis (RRCM):Â A Strategy for Directing Metal Movement Throughout Olefin Metathesis Sequences. Journal of the American Chemical Society, 2004, 126, 10210-10211.	13.7	211
6	Some Allylic Substituent Effects in Ring-Closing Metathesis Reactions:Â Allylic Alcohol Activation. Organic Letters, 1999, 1, 1123-1125.	4.6	190
7	Sustainable Thermoplastic Elastomers from Terpene-Derived Monomers. ACS Macro Letters, 2014, 3, 717-720.	4.8	152
8	Hybrid Density Functional Methods Empirically Optimized for the Computation of 13C and 1H Chemical Shifts in Chloroform Solution. Journal of Chemical Theory and Computation, 2006, 2, 1085-1092.	5.3	151
9	Alkane desaturation by concerted double hydrogen atom transfer to benzyne. Nature, 2013, 501, 531-534.	27.8	135
10	Flash Nanoprecipitation: Particle Structure and Stability. Molecular Pharmaceutics, 2013, 10, 4367-4377.	4.6	119
11	No-D NMR (No-Deuterium Proton NMR) Spectroscopy:â€‰ A Simple Yet Powerful Method for Analyzing Reaction and Reagent Solutions. Organic Letters, 2004, 6, 953-956.	4.6	116
12	A Strategy for Control of â€œRandomâ€•Copolymerization of Lactide and Glycolide: Application to Synthesis of PEG-b-PLGA Block Polymers Having Narrow Dispersity. Macromolecules, 2011, 44, 7132-7140.	4.8	109
13	Highly Efficient Synthesis of the Potent Antitumor Annonaceous Acetogenin (+)-Parviflorin. Journal of the American Chemical Society, 1996, 118, 1801-1802.	13.7	107
14	Reactivity of common functional groups with urethanes: Models for reactive compatibilization of thermoplastic polyurethane blends. Journal of Polymer Science Part A, 2002, 40, 2310-2328.	2.3	105
15	Preparation of Poly(ethylene glycol) Protected Nanoparticles with Variable Bioconjugate Ligand Density. Biomacromolecules, 2008, 9, 2705-2711.	5.4	104
16	Macrolactonization via Ti(IV)-Mediated Epoxy-Acid Coupling:â€‰ A Total Synthesis of (â^')-Dactylolide [and Zampanolide]. Journal of the American Chemical Society, 2003, 125, 9576-9577.	13.7	100
17	The aromatic ene reaction. Nature Chemistry, 2014, 6, 34-40.	13.6	100
18	Hexadehydro-Dielsâ€“Alder (HDDA)-Enabled Carbazolyne Chemistry: Single Step, de Novo Construction of the Pyranocarbazole Core of Alkaloids of the Murraya koenigii (Curry Tree) Family. Journal of the American Chemical Society, 2016, 138, 13870-13873.	13.7	100

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19	Reactions of hexadehydro-Dielsâ€“Alder benzynes with structurally complex multifunctional natural products. Nature Chemistry, 2017, 9, 523-530.	13.6	100
20	Hexadehydro-Dielsâ€“Alder Reaction: Benzyne Generation via Cycloisomerization of Tethered Triynes. Chemical Reviews, 2021, 121, 2413-2444.	47.7	99
21	Defining the Macromolecules of Tomorrow through Synergistic Sustainable Polymer Research. Chemical Reviews, 2022, 122, 6322-6373.	47.7	99
22	Reactions of HDDA-Derived Benzynes with Sulfides: Mechanism, Modes, and Three-Component Reactions. Journal of the American Chemical Society, 2016, 138, 4318-4321.	13.7	89
23	Silicon tethered ring-closing metathesis reactions for self- and cross-coupling of alkenols. Tetrahedron Letters, 1999, 40, 1429-1432.	1.4	88
24	An Enyne Metathesis/(4 + 2)- Dimerization Route to (Â±)-Differolide. Organic Letters, 1999, 1, 277-280.	4.6	86
25	The domino hexadehydro-Dielsâ€“Alder reaction transforms polyynes to benzynes to naphthynes to anthracynes to tetracynes (and beyond?). Nature Chemistry, 2018, 10, 838-844.	13.6	79
26	Formation of Block Copolymer-Protected Nanoparticles via Reactive Impingement Mixing. Langmuir, 2007, 23, 10499-10504.	3.5	77
27	Alkyne Haloallylation [with Pd(II)] as a Core Strategy for Macrocycle Synthesis:Â A Total Synthesis of (â^')-Haterumalide NA/(â^')-Oocydin A. Journal of the American Chemical Society, 2005, 127, 6950-6951.	13.7	72
28	Studies of Palladium-Catalyzed Cross-Coupling Reactions for Preparation of Highly Hindered Biaryls Relevant to the Korupensamine/Michellamine Problem. Journal of Organic Chemistry, 1996, 61, 7940-7942.	3.2	69
29	Coupling Reactions of End- vs Mid-Functional Polymers. Macromolecules, 2004, 37, 2563-2571.	4.8	68
30	Addendum: A guide to small-molecule structure assignment through computation of (Â¹H and Â¹Â³C) NMR chemical shifts. Nature Protocols, 2020, 15, 2277-2277.	12.0	65
31	MTPA (Mosher) Amides of Cyclic Secondary Amines:Â Conformational Aspects and a Useful Method for Assignment of Amine Configuration. Journal of Organic Chemistry, 1996, 61, 2056-2064.	3.2	64
32	Total Synthesis of Michellamines Aâ^'C, Korupensamines Aâ^'D, and Ancistrobrevine B. Journal of Organic Chemistry, 1999, 64, 7184-7201.	3.2	64
33	No-D NMR Spectroscopy as a Convenient Method for Titering Organolithium (RLi), RMgX, and LDA Solutions. Organic Letters, 2004, 6, 2567-2570.	4.6	63
34	A Carbomethoxylated Polyvalerolactone from Malic Acid: Synthesis and Divergent Chemical Recycling. ACS Macro Letters, 2018, 7, 143-147.	4.8	63
35	Total Synthesis of (â^')-Cylindrocyclophane A via a Double Horner-Emmons Macrocyclic Dimerization Event. Journal of the American Chemical Society, 2000, 122, 4982-4983.	13.7	62
36	A Practical Guide to First-Order Multiplet Analysis in 1H NMR Spectroscopy. Journal of Organic Chemistry, 1994, 59, 4096-4103.	3.2	61

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37	Mechanism of the Reactions of Alcohols with o-Benzynes. Journal of the American Chemical Society, 2014, 136, 13657-13665.	13.7	61
38	Sequencing of Three-Component Olefin Metatheses:â€‰ Total Synthesis of Either (+)-Gigantecin or (+)-14-Deoxy-9-oxygigantecin. Organic Letters, 2006, 8, 3383-3386.	4.6	60
39	Synthesis of a C(1)â^'C(14)-Containing Fragment of Callipeltoside A. Organic Letters, 1999, 1, 169-172.	4.6	59
40	Synthesis (and Alternative Proof of Configuration) of the Scyphostatin C(1â€˜)â^'C(20â€˜) Trienoyl Fragment. Organic Letters, 2000, 2, 1481-1483.	4.6	58
41	Total Synthesis of (â^')-Callipeltoside A. Journal of Organic Chemistry, 2010, 75, 7052-7060.	3.2	58
42	The Hexadehydro-Dielsâ€“Alder Cycloisomerization Reaction Proceeds by a Stepwise Mechanism. Journal of the American Chemical Society, 2016, 138, 7832-7835.	13.7	58
43	Unraveling substituent effects on the glass transition temperatures of biorenewable polyesters. Nature Communications, 2018, 9, 2880.	12.8	58
44	Synthesis of complex benzenoids via the intermediate generation of o-benzynes through the hexadehydro-Diels-Alder reaction. Nature Protocols, 2013, 8, 501-508.	12.0	55
45	Total Synthesis of Peloruseâ€…A through Kinetic Lactonization and Relay Ringâ€Closing Metathesis Cyclization Reactions. Angewandte Chemie - International Edition, 2010, 49, 6151-6155.	13.8	54
46	Charge storage model for hysteretic negative-differential resistance in metal-molecule-metal junctions. Applied Physics Letters, 2006, 88, 172102.	3.3	52
47	Rates of Hexadehydro-Dielsâ€“Alder (HDDA) Cyclizations: Impact of the Linker Structure. Organic Letters, 2014, 16, 4578-4581.	4.6	51
48	Mechanism of the Intramolecular Hexadehydro-Dielsâ€“Alder Reaction. Journal of Organic Chemistry, 2015, 80, 11744-11754.	3.2	49
49	The pentadehydro-Dielsâ€“Alder reaction. Nature, 2016, 532, 484-488.	27.8	49
50	A Method for Easily Determining Coupling Constant Values:Â An Addendum to â€œA Practical Guide to First-Order Multiplet Analysis in1H NMR Spectroscopyâ€• Journal of Organic Chemistry, 2002, 67, 4014-4016.	3.2	48
51	Controlled Synthesis of High Molecular Weight Telechelic Polybutadienes by Ring-Opening Metathesis Polymerization. Macromolecules, 2004, 37, 5485-5489.	4.8	48
52	Photochemical Hexadehydro-Dielsâ€“Alder Reaction. Journal of the American Chemical Society, 2017, 139, 8400-8403.	13.7	47
53	Silylative Dieckmann-Like Cyclizations of Ester-Imides (and Diesters). Organic Letters, 2006, 8, 5191-5194.	4.6	46
54	Applications of MTPA (Mosher) Amides of Secondary Amines:Â Assignment of Absolute Configuration in Chiral Cyclic Amines. Journal of Organic Chemistry, 1996, 61, 8489-8495.	3.2	45

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55	Kinetic lactonization of 4,6-dimethyl- and 2,4,6,8-tetramethyl-5-hydroxyazelaic acids: ground state conformational control. Journal of the American Chemical Society, 1984, 106, 2738-2739.	13.7	44
56	Dichlorination of (Hexadehydro-Dielsâ€“Alder Generated) Benzynes and a Protocol for Interrogating the Kinetic Order of Bimolecular Aryne Trapping Reactions. Organic Letters, 2014, 16, 254-257.	4.6	43
57	Comparative Dielsâ^'Alder Reactivities within a Family of Valence Bond Isomers:Â A Biomimetic Total Synthesis of (Â±)-UCS1025A. Journal of the American Chemical Society, 2006, 128, 2550-2551.	13.7	42
58	Dielsâ€“Alderase-free, bis-pericyclic, [4+2] dimerization in the biosynthesis of (Â±)-paracaseolide A. Nature Chemistry, 2015, 7, 641-645.	13.6	42
59	Details of the Structure Determination of the Sulfated Steroids PSDS and PADS:Â New Components of the Sea Lamprey (Petromyzonmarinus) Migratory Pheromone. Journal of Organic Chemistry, 2007, 72, 7544-7550.	3.2	41
60	Polyurethanes based on renewable polyols from bioderived lactones. Polymer Chemistry, 2012, 3, 2941.	3.9	41
61	Tactics for probing aryne reactivity: mechanistic studies of siliconâ€“oxygen bond cleavage during the trapping of (HDDA-generated) benzynes by silyl ethers. Chemical Science, 2014, 5, 545-550.	7.4	40
62	The Phenolâ€“Ene Reaction: Biaryl Synthesis via Trapping Reactions between HDDA-Generated Benzynes and Phenolics. Organic Letters, 2016, 18, 5596-5599.	4.6	39
63	One-Pot, Three-Aryne Cascade Strategy for Naphthalene Formation from 1,3-Diynes and 1,2-Benzdiyne Equivalents. Journal of the American Chemical Society, 2019, 141, 9813-9818.	13.7	39
64	Dual Macrolactonization/Pyranâ€“Hemiketal Formation via Acylketenes: Applications to the Synthesis of (â^')â€Callipeltosideâ€…A and a Lyngbyalosideâ€…B Model System. Angewandte Chemie - International Edition, 2008, 47, 9743-9746.	13.8	36
65	Intramolecular [4 + 2] Trapping of a Hexadehydro-Dielsâ€“Alder (HDDA) Benzyne by Tethered Arenes. Organic Letters, 2015, 17, 856-859.	4.6	36
66	Dielsâ€“Alder Reactions of Furans with Itaconic Anhydride: Overcoming Unfavorable Thermodynamics. Organic Letters, 2016, 18, 2584-2587.	4.6	34
67	An NMR Strategy for Determination of Configuration of Remote Stereogenic Centers:Â 3-Methylcarboxylic Acids. Journal of the American Chemical Society, 1998, 120, 4638-4643.	13.7	33
68	Synthesis and application of fluorescently labeled phthalic anhydride (PA) functionalized polymers by ATRP. Polymer, 2002, 43, 5501-5509.	3.8	33
69	BF₃-Promoted, Carbene-like, Câ€“H Insertion Reactions of Benzynes. Journal of the American Chemical Society, 2018, 140, 15616-15620.	13.7	31
70	Diaziridines. II. Addition of diaziridines to electrophilic acetylenes. Journal of Organic Chemistry, 1973, 38, 2984-2988.	3.2	30
71	Nanoparticles Containing High Loads of Paclitaxel-Silicate Prodrugs: Formulation, Drug Release, and Anticancer Efficacy. Molecular Pharmaceutics, 2015, 12, 4329-4335.	4.6	30
72	Engineering the production of dipicolinic acid in E. coli. Metabolic Engineering, 2018, 48, 208-217.	7.0	30

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73	Benzocyclobutadienes: An Unusual Mode of Access Reveals Unusual Modes of Reactivity. Angewandte Chemie - International Edition, 2018, 57, 9901-9905.	13.8	30
74	A Convenient Synthesis of 1-Bromo- 4,5-dimethoxy-7-methylnaphthalene, a Naphthol Derivative Useful for Construction of Naphthylisoquinoline Alkaloids. Journal of Organic Chemistry, 1997, 62, 8586-8588.	3.2	29
75	Primary Amine (â^'NH2) Quantification in Polymers:Â Functionality by19F NMR Spectroscopy. Macromolecules, 2005, 38, 4679-4686.	4.8	29
76	Multiheterocyclic Motifs via Three-Component Reactions of Benzynes, Cyclic Amines, and Protic Nucleophiles. Organic Letters, 2018, 20, 100-103.	4.6	29
77	Fatty-acid derivative acts as a sea lamprey migratory pheromone. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8603-8608.	7.1	29
78	Synthesis ofend- andmid-Phthalic Anhydride Functional Polymers by Atom Transfer Radical Polymerization. Macromolecules, 2001, 34, 7941-7951.	4.8	28
79	Maleimide Functionalized Poly(Îµâ€caprolactone)â€blockâ€poly(ethylene glycol) (PCLâ€PEGâ€MAL): Synthesis, Nanoparticle Formation, and Thiol Conjugation. Macromolecular Chemistry and Physics, 2009, 210, 823-831.	2.2	28
80	Reactions of Hexadehydro-Dielsâ€"Alder (HDDA)-Derived Benzynes with Thioamides: Synthesis of Dihydrobenzothiazino-Heterocyclics. Organic Letters, 2016, 18, 6312-6315.	4.6	27
81	Blue-Emitting Arylalkynyl Naphthalene Derivatives via a Hexadehydro-Dielsâ€"Alder Cascade Reaction. Journal of the American Chemical Society, 2016, 138, 12739-12742.	13.7	27
82	Reactions of HDDA-Derived Benzynes with Perylenes: Rapid Construction of Polycyclic Aromatic Compounds. Organic Letters, 2016, 18, 5636-5639.	4.6	27
83	Toward Computing Relative Configurations:â€‰ 16-epi-Latrunculin B, a New Stereoisomer of the Actin Polymerization Inhibitor Latrunculin B. Journal of the American Chemical Society, 2002, 124, 7405-7410.	13.7	26
84	Evaluation of various DFT protocols for computing1H and13C chemical shifts to distinguish stereoisomers: diastereomeric 2-, 3-, and 4-methylcyclohexanols as a test set. Journal of Physical Organic Chemistry, 2007, 20, 345-354.	1.9	26
85	Cycloaddition Reactions of Azide, Furan, and Pyrrole Units with Benzynes Generated by the Hexadehydro-Dielsâ€"Alder (HDDA) Reaction. Heterocycles, 2014, 88, 1191.	0.7	26
86	Synthesis of theC2-Symmetric, Macrocyclic Alkaloid, (+)-Xestospongin A and Its C(9)-Epimer, (â^')-Xestospongin C:Â Impact of Substrate Rigidity and Reaction Conditions on the Efficiency of the Macrocyclic Dimerization Reaction. Journal of the American Chemical Society, 1996, 118, 12074-12081.	13.7	25
87	Dynamic Kinetic Resolution During a Vinylogous Payne Rearrangement: A Concise Synthesis of the Polar Pharmacophoric Subunit of (+)-Scyphostatin. Organic Letters, 2010, 12, 52-55.	4.6	25
88	(+)- and (â^')-Petromyroxols: Antipodal Tetrahydrofurandiols from Larval Sea Lamprey (Petromyzon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.6	25
89	Reaction Titration:â€‰ A Convenient Method for Titering Reactive Hydride Agents (Red-Al, LiAlH4, DIBALH,) Tj ETQq1 1 0.784314 rgB	4.6	24
90	Ultra-High-Throughput Screening of Natural Product Extracts to Identify Proapoptotic Inhibitors of Bcl-2 Family Proteins. Journal of Biomolecular Screening, 2014, 19, 1201-1211.	2.6	24

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91	Hydrolytically-degradable homo- and copolymers of a strained exocyclic hemiacetal ester. Polymer Chemistry, 2019, 10, 4573-4583.	3.9	24
92	Synthesis of Azulenone Skeletons by Reaction of 2-Phenyl-2-acylketenes [RCO(Ph)CCO] with Alkynyl Ethers:â€‰ Mechanistic Aspects and Further Transformations. Journal of Organic Chemistry, 1998, 63, 1630-1636.	3.2	23
93	A General, Practical, and Versatile Strategy for Accessing ï‰-Functional 1,2-Diols of High Enantiomeric Excess. Journal of Organic Chemistry, 1998, 63, 8554-8557.	3.2	22
94	Diamino telechelic polybutadienes for solventless styreneâ€“butadieneâ€“styrene (SBS) triblock copolymer formation. Polymer, 2008, 49, 5307-5313.	3.8	22
95	Total synthesis of (Â±)-leuconolam: intramolecular allylic silane addition to a maleimide carbonyl group. Chemical Science, 2013, 4, 2262.	7.4	22
96	N-Methylputrescine Oxidation during Cocaine Biosynthesis:â€‰ Study of Prochiral Methylene Hydrogen Discrimination Using the Remote Isotope Method. Organic Letters, 2000, 2, 3-5.	4.6	21
97	Long-Range Shielding Effects in the ¹H NMR Spectra of Mosher-like Ester Derivatives. Organic Letters, 2010, 12, 1768-1771.	4.6	21
98	o-(Trialkylstannyl)anilines and their utility in Migitaâ€“Kosugiâ€“Stille cross-coupling: direct introduction of the 2-aminophenyl substituent. Tetrahedron Letters, 2012, 53, 4938-4941.	1.4	20
99	Differential Scanning Calorimetry (DSC) as a Tool for Probing the Reactivity of Polyynes Relevant to Hexadehydro-Dielsâ€“Alder (HDDA) Cascades. Organic Letters, 2014, 16, 6370-6373.	4.6	20
100	Reactions of thermally generated benzynes with six-membered N-heteroaromatics: pathway and product diversity. Chemical Science, 2019, 10, 9069-9076.	7.4	20
101	Atypical Mode of [3 + 2]-Cycloaddition: Pseudo-1,3-dipole Behavior in Reactions of Electron-Deficient Thioamides with Benzynes. Organic Letters, 2018, 20, 5550-5553.	4.6	19
102	Anionic synthesis and detection of fluorescence-labeled polymers with a terminal anhydride group. Journal of Polymer Science Part A, 2000, 38, 2177-2185.	2.3	18
103	Synthesis and olfactory activity of unnatural, sulfated 5Î²-bile acid derivatives in the sea lamprey (Petromyzon marinus). Steroids, 2011, 76, 291-300.	1.8	18
104	Divergent Kinetic Control of Classical versus Ozonolytic Lactonization:Â Mechanism-Based Diastereoselection. Journal of the American Chemical Society, 2005, 127, 8256-8257.	13.7	17
105	Competition between classical and hexadehydro-Dielsâ€“Alder (HDDA) reactions of HDDA triynes with furan. Tetrahedron Letters, 2015, 56, 3265-3267.	1.4	17
106	Cu^Iâ€Mediated Bromoalkynylation and Hydroalkynylation Reactions of Unsymmetrical Benzynes: Complementary Modes of Addition. Angewandte Chemie - International Edition, 2018, 57, 16564-16568.	13.8	17
107	4-Carboalkoxylated Polyvalerolactones from Malic Acid: Tough and Degradable Polyesters. Macromolecules, 2020, 53, 3194-3201.	4.8	17
108	Synthesis and reactions of some 1-(nitroaryl)diaziridines. Journal of Organic Chemistry, 1972, 37, 2980-2983.	3.2	16

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109	Sulfurane [S(IV)]-Mediated Fusion of Benzynes Leads to Helical Dibenzofurans. Journal of the American Chemical Society, 2021, 143, 13501-13506.	13.7	16
110	3,5-Hexadienoic Esters: A Convenient Preparation. Synthetic Communications, 1982, 12, 183-187.	2.1	15
111	Pheromones in Vertebrates. , 2010, , 225-262.		15
112	Room Temperature Acylketene Formation? 1,3-Dioxin-4-ones via Silver(I) Activation of Phenylthioacetoacetate in the Presence of Ketones. Journal of Organic Chemistry, 2010, 75, 6054-6056.	3.2	15
113	Mechanistic Duality in Tertiary Amine Additions to Thermally Generated Hexadehydro-Dielsâ€“Alder Benzynes. Organic Letters, 2017, 19, 5705-5708.	4.6	15
114	The Aza-hexadehydro-Dielsâ€“Alder Reaction. Journal of the American Chemical Society, 2019, 141, 19575-19580.	13.7	15
115	Allylmalonate as an Activator Subunit for the Initiation of Relay Ringâ€Closing Metathesis Reactions. Angewandte Chemie - International Edition, 2011, 50, 2141-2143.	13.8	14
116	Reactions of Diaziridines with Benzynes Give N-Arylhydrazones. Organic Letters, 2018, 20, 8082-8085.	4.6	14
117	Bile Salt-like Dienones Having a Novel Skeleton or a Rare Substitution Pattern Function as Chemical Cues in Adult Sea Lamprey. Organic Letters, 2017, 19, 4444-4447.	4.6	12
118	Sulfonamide-Trapping Reactions of Thermally Generated Benzynes. Organic Letters, 2018, 20, 7145-7148.	4.6	12
119	A Traceless Tether Strategy for Achieving Formal Intermolecular Hexadehydro-Dielsâ€“Alder Reactions. Organic Letters, 2018, 20, 5502-5505.	4.6	12
120	Intramolecular Capture of HDDA-Derived Benzynes: (i) 6- to 12-Membered Ring Formation, (ii) Internally (vis-Ã-vis Remotely) Tethered Traps, and (iii) Role of the Rate of Trapping by the Benzynophile. Organic Letters, 2018, 20, 88-91.	4.6	11
121	Benzyne Cascade Reactions via Benzoxetenonium Ions and Their Rearrangements to o-Quinone Methides. Organic Letters, 2019, 21, 1672-1675.	4.6	11
122	Thermoplastic polyurethanes from Î²-methyl-Î´-valerolactone-derived amidodiol chain extenders. Polymer, 2017, 111, 252-257.	3.8	10
123	Divergent Reactivity during the Trapping of Benzynes by Glycidol Analogs: Ring Cleavage via Pinacol-Like Rearrangements vs Oxirane Fragmentations. Organic Letters, 2019, 21, 2615-2619.	4.6	9
124	Poly(4-ketovalerolactone) from Levulinic Acid: Synthesis and Hydrolytic Degradation. Macromolecules, 2020, 53, 4952-4959.	4.8	9
125	A USEFUL MODIFICATION OF THE KRAUS PROCEDURE[1] FOR PREPARATION OF Ï‰-BROMO-1-ALKENES BY HMPA-PROMOTED ELIMINATION OF HBR FROM 1,Ï‰-DIBROMOALKANES. Synthetic Communications, 2001, 31, 1367-1371.	2.1	8
126	iso-Petromyroxols: Novel Dihydroxylated Tetrahydrofuran Enantiomers from Sea Lamprey (Petromyzon marinus). Molecules, 2015, 20, 5215-5222.	3.8	8

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127	Isomerization of Linear to Hyperbranched Polymers: Two Isomeric Lactones Converge via Metastable Isostructural Polyesters to a Highly Branched Analogue. ACS Macro Letters, 2018, 7, 1144-1148.	4.8	8
128	Superabsorbent Poly(isoprenecarboxylate) Hydrogels from Glucose. ACS Sustainable Chemistry and Engineering, 2019, 7, 7491-7495.	6.7	8
129	Tandem GC/MS: A useful tool for studying end-capping reactions of oligo(styryl)lithium anions. Journal of Polymer Science Part A, 1995, 33, 1957-1967.	2.3	7
130	No-D NMR Study of the Pathway forn-BuLi â€œOxidationâ€•of 1,5-Cyclooctadiene to Dilithium Cyclooctatetraene Dianion [Li2COT2-]. Organic Letters, 2005, 7, 275-277.	4.6	7
131	Poly(isoprenecarboxylates) from Glucose via Anhydromevalonolactone. ACS Macro Letters, 2016, 5, 1128-1131.	4.8	7
132	Trapping of Hexadehydro-Dielsâ€“Alder Benzynes with Exocyclic, Conjugated Enals as a Route to Fused Spirocyclic Benzopyran Motifs. Synlett, 2017, 28, 2933-2935.	1.8	7
133	Benzocyclobutadienes: An Unusual Mode of Access Reveals Unusual Modes of Reactivity. Angewandte Chemie, 2018, 130, 10049-10053.	2.0	7
134	TMS is Superior to Residual CHCl₃ for Use as the Internal Reference for Routine ¹H NMR Spectra Recorded in CDCl₃. Journal of Organic Chemistry, 2022, 87, 905-909.	3.2	7
135	Hydrothermal catalysis of waste greases into green gasoline, jet, andÂdiesel biofuels in continuous flow supercritical water. Biofuels, Bioproducts and Biorefining, 2022, 16, 349-369.	3.7	7
136	Practical Method for Chemoselective Formation of MTPA Amide Derivatives from Amino Alcohols and Phenols. Journal of Organic Chemistry, 1997, 62, 4168-4170.	3.2	6
137	Isomerizations of Propargyl 3-Acylpropiolates via Reactive Allenes. Organic Letters, 2018, 20, 4425-4429.	4.6	6
138	â€œKobayashi Benzynesâ€•as Hexadehydro-Dielsâ€“Alder Diynophiles. Organic Letters, 2021, 23, 3349-3353.	4.6	6
139	Synthesis of Isohexide Diyne Polymers and Hydrogenation to Their Saturated Polyethers. ACS Macro Letters, 2021, 10, 1068-1072.	4.8	6
140	De novo Assembly of the Benzenoid Ring as a Core Strategy for Synthesis of the Isoindolinone Natural Products Isohericerin, Erinacerin A, and Sterenin A. Organic Letters, 2021, 23, 7550-7554.	4.6	6
141	3,4,5-Trimethoxyphenyllithium. Synthetic Communications, 1982, 12, 49-52.	2.1	5
142	A Useful Modification of the Evans Magnesium Halide Catalyzed anti-Aldol Reaction: Application to Enolizable Aldehydes. Synlett, 2010, 2010, 1984-1986.	1.8	4
143	Cu^Iâ€Mediated Bromoalkynylation and Hydroalkynylation Reactions of Unsymmetrical Benzynes: Complementary Modes of Addition. Angewandte Chemie, 2018, 130, 16802-16806.	2.0	4
144	Characterization of stereoisomeric 5â€(2â€nitroâ€1â€phenylethyl)furanâ€2(5H)â€ones by computation of ¹H and ¹³C NMR chemical shifts and electronic circular dichroism spectra. Magnetic Resonance in Chemistry, 2021, 59, 43-51.	1.9	4

#	Article	IF	Citations
145	Coumarin (5,6-Benzo-2-pyrone) Trapping of an HDDA-Benzyne. Organic Letters, 2021, 23, 2189-2193.	4.6	4
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165	Design of nonâ€peptidic helix/sheet topomimetics: applications to bacterial endotoxin neutralization and inhibition of angiogenesis and tumor growth in mice. FASEB Journal, 2006, 20, LB108.	0.5	0