

Udo H Brinker

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Induced Circular Dichroism and UV-Vis Absorption Spectroscopy of Cyclodextrin Inclusion Complexes: A Structural Elucidation of Supramolecular Aziadamantane (Spiro[adamantane-2,3'-diazirine]). <i>Journal of the American Chemical Society</i> , 1998, 120, 11627-11632.	13.7	61
2	The Carbene Reactivity Surface: A Classification. <i>Journal of Organic Chemistry</i> , 2008, 73, 1553-1558.	3.2	49
3	Temperature dependence of carbene-carbene rearrangements. A new method for the generation of carbenes. <i>Journal of the American Chemical Society</i> , 1981, 103, 2116-2119.	13.7	42
4	Carbenes in Constrained Systems I: 1,3 C-H, Insertion Reaction of Adamantylidene within the β -Cyclodextrin Cavity. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1344-1345.	4.4	42
5	Molecular Dynamics Simulations of β -Cyclodextrin-Aziadamantane Complexes in Water. <i>Journal of Physical Chemistry B</i> , 2008, 112, 710-714.	2.6	40
6	Inter- and Inermolecular Reactions of Chloro(phenyl)carbene. <i>Journal of Organic Chemistry</i> , 2003, 68, 4819-4832.	3.2	33
7	Carbene rearrangements. 43. Carbenes in Constrained Systems. 2. First Carbene Reactions within Zeolites: Solid-State Photolysis of Adamantane-2-spiro-3'-diazirine. <i>Journal of the American Chemical Society</i> , 1994, 116, 7393-7398.	13.7	31
8	First formation of 1,1-dihalo-1,3-butadienes from reactions of dichloro- and dibromocarbenes with cyclopropenes via new addition-rearrangements. <i>Tetrahedron Letters</i> , 1992, 33, 4537-4540.	1.4	30
9	Induced Circular Dichroism of Cyclodextrin Inclusion Complexes: Examining the Cavity with a Bilateral Probe. <i>Organic Letters</i> , 2000, 2, 1999-2002.	4.6	29
10	1-Bromobicyclo[1.1.0]butane as an Easily Obtainable C ₄ -Building Block: A Novel Route to Cyclobutanone. <i>Journal of Organic Chemistry</i> , 1999, 64, 6085-6086.	3.2	26
11	Chemospecific Monofunctionalization of β -Cyclodextrin in the Solid State. <i>Organic Letters</i> , 2000, 2, 315-318.	4.6	25
12	4-Aziadamantan-1-amine: synthesis, reactions and cyclodextrin complexes. <i>Tetrahedron Letters</i> , 2001, 42, 9161-9165.	1.4	24
13	Supramolecular Recognition and Structural Elucidation of Inclusion Complexes of an Achiral Carbene Precursor in β - and Permethylated β -Cyclodextrin. <i>Organic Letters</i> , 2004, 6, 1967-1970.	4.6	24
14	Dihalocarbene Insertion Reactions into C-H Bonds of Compounds Containing Small Rings: Mechanisms and Regio- and Stereoselectivities. <i>Journal of Organic Chemistry</i> , 2007, 72, 8434-8451.	3.2	24
15	Carbene rearrangements. 38. Functionalization of saturated hydrocarbons: selective insertion reactions of dihalocarbenes into carbon-hydrogen bonds adjacent to cyclopropane rings. <i>Journal of the American Chemical Society</i> , 1992, 114, 783-784.	13.7	22
16	The Nature and Extent of π -Stabilization within Foiled Carbenes. <i>Journal of the American Chemical Society</i> , 2006, 128, 15843-15850.	13.7	22
17	Carbene-Carbene Rearrangements of cis- and trans-2-(1,3-Butadienyl)cyclopropylidene. <i>Angewandte Chemie International Edition in English</i> , 1979, 18, 396-397.	4.4	21
18	Carbene Rearrangements, 60. Supramolecular Structure-Reactivity Relationships: Photolysis of a Series of Aziadamantane@Cyclodextrin Inclusion Complexes in the Solid State. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1367-1374.	4.3	21

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19	Some Pericyclic Reactions of Carbenes. <i>Organic Chemistry</i> , 1977, , 109-198.	0.2	20
20	Evidence for a novel carbene-carbene rearrangement of a new foiled methylene. <i>Journal of the American Chemical Society</i> , 1981, 103, 212-214.	13.7	20
21	Carbene-carbene rearrangements as a route to 1,5-dihydropentalene. <i>Tetrahedron</i> , 1981, 37, 4495-4502.	1.9	20
22	Constrained Carbenes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5423-5440.	2.4	20
23	Chemistry of carbenes in molecular reaction vessels. <i>Advances in Carbene Chemistry</i> , 1998, , 29-44.	0.1	20
24	Efficient Syntheses of Multisubstituted Methylene-cyclopropanes via Novel Ultrasonicated Reactions of 1,1-Dihaloolefins and Metals.. <i>Acta Chemica Scandinavica</i> , 1992, 46, 650-653.	0.7	19
25	Substituent Effects on the Ring-Opening Mechanism of Lithium Bromocyclopropylidenoids to Allenes. <i>Journal of Organic Chemistry</i> , 2008, 73, 8182-8188.	3.2	18
26	2 <i>H</i> -Azirines from a Concerted Addition of Alkylcarbenes to Nitrile Groups. <i>Organic Letters</i> , 2010, 12, 2366-2369.	4.6	18
27	Reversal of Diastereoselectivities in Intra- and Intermolecular Reactions of 2-Adamantanylidenes Primarily Caused by Electron-Donating and Electron-Withdrawing Substituents on C5. <i>Organic Letters</i> , 2003, 5, 2943-2946.	4.6	17
28	Structure-Reactivity Relationships: Reactions of a 5-Substituted Aziadamantane in a Resorcin[4]arene-based Cavitand. <i>Organic Letters</i> , 2010, 12, 332-335.	4.6	17
29	Intra- and Intermolecular Reaction Selectivities of \hat{I}^3 -Substituted Adamantanylidenes. <i>Journal of Organic Chemistry</i> , 2012, 77, 1340-1360.	3.2	17
30	A "sugar-coated" carbene precursor: a single crystal X-ray diffraction and NMR study. <i>Tetrahedron Letters</i> , 2000, 41, 5663-5667.	1.4	16
31	Intra- and Intermolecular Diastereoselectivity of 5-Hydroxy-2-adamantylidene. <i>Journal of the American Chemical Society</i> , 2000, 122, 7430-7431.	13.7	16
32	Effect of Supramolecular Inclusion on the Selectivity of 3-Nortricyclanylidene. <i>Journal of Organic Chemistry</i> , 2001, 66, 1517-1522.	3.2	14
33	Study of the Structure and Photochemical Decomposition of Azidoadamantanes Entrapped in \hat{I}^2 - and \hat{I}^3 -Cyclodextrin. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1249-1255.	2.4	14
34	MetaSelectivity in the Friedel-Crafts Reaction Induced by a Faujasite-Type Zeolite. <i>Journal of Organic Chemistry</i> , 2001, 66, 2874-2876.	3.2	13
35	Carbene Rearrangements, XXII Labelling Studies of the Reaction of 8,8-Dibromobicyclo[5.1.0]octa-2,4-diene with Methylolithium. <i>Chemische Berichte</i> , 1987, 120, 501-506.	0.2	12
36	Carbene-Alkene Complexes between a Nucleophilic Carbene and Electron-Poor Alkenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 14634-14639.	13.7	12

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37	Competitive 1,2-C Atom Shifts in the Strained Carbene Spiro[3.3]hept-1-ylidene Explained by Distinct Ring-Puckered Conformers. <i>Journal of Organic Chemistry</i> , 2016, 81, 12388-12400.	3.2	12
38	Carbenes in constrained systems, 3. Solid-State photolysis of cycloheptane- and cyclooctanespirodiazirine within cyclodextrins and zeolites. <i>Liebigs Annalen</i> , 1995, 1995, 1721-1725.	0.8	11
39	Foiled Carbenes Revisited: When σ -Stabilization Surpasses π -Stabilization. <i>Journal of Organic Chemistry</i> , 2007, 72, 263-268.	3.2	11
40	Reactions of Carbenes with Ethers: The Role of Noncovalent Interactions. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3363-3368.	2.4	11
41	Controllable Selective Functionalization of a Cavitand via Solid State Photolysis of an Encapsulated Phenyl Azide. <i>Organic Letters</i> , 2009, 11, 3056-3058.	4.6	11
42	BICYCLO[3.2.1]OCTA-2,6-DIEN-8-YLIDENE (HOMO-7-NORBORNADIENYLIDENE), A "FOILED" CARBENE. <i>Chemistry Letters</i> , 1984, 13, 45-48.	1.3	10
43	Toward Selective Reactions with CH Bonds: A Rationale for the Regio- and Stereochemistry of Dichlorocarbene Insertions into Cyclic Hydrocarbons. <i>Journal of Organic Chemistry</i> , 2007, 72, 10211-10219.	3.2	10
44	Intermolecular Reactions of Foiled Carbenes with N-H Bonds: Evidence for an Ylidic Pathway. <i>Journal of Organic Chemistry</i> , 2008, 73, 6551-6558.	3.2	10
45	Supramolecular Photochirogenesis with Carbenes Entrapped in Cyclodextrins. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5907-5912.	2.4	9
46	Conformations and Reactions of Bicyclo[3.2.1]oct-6-en-8-ylidene. <i>Journal of Organic Chemistry</i> , 2012, 77, 3800-3807.	3.2	9
47	A new mechanism for reactions of carbenes and bicyclo[1.1.0]butanes. <i>Tetrahedron Letters</i> , 1991, 32, 4461-4464.	1.4	8
48	2-Methoxy-1,3,4-oxadiazoline, a Multipurpose Precursor for the Generation of a Carbene, an Ylide, or a Diazo Compound. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5336-5345.	2.4	8
49	Stepwise insertion of carbenes into C-H bonds: the case of foiled carbenes. <i>Tetrahedron</i> , 2009, 65, 765-770.	1.9	8
50	Probing the active catalytic sites of zeolites with benzyl chloride. <i>Tetrahedron</i> , 2002, 58, 4963-4967.	1.9	7
51	2,6-Diaziadamantane: A Single-Crystal X-ray Diffraction Study and Theoretical Calculations. <i>Journal of Organic Chemistry</i> , 2003, 68, 2129-2134.	3.2	7
52	Bent Singlet Cyclobutylcarbene: Computed Geometry, Properties, and Product Selectivity of a Nonclassical Carbene. <i>Journal of Organic Chemistry</i> , 2019, 84, 11873-11884.	3.2	6
53	Carbenes generated within cyclodextrins and zeolites. <i>Advances in Physical Organic Chemistry</i> , 2005, 40, 1-47.	0.5	6
54	Intermolecular Reactions of a Foiled Carbene with Carbonyl Compounds: The Effects of Trishomocyclopropyl Stabilization. <i>Journal of Organic Chemistry</i> , 2015, 80, 11877-11887.	3.2	4

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55	Hinweise auf eine schrittweise Addition von Carbenen an gespannte Doppelbindungen: Reaktionen von Dihalogencarbenen mit Cyclopropenen. <i>Angewandte Chemie</i> , 1997, 109, 1689-1692.	2.0	3
56	Decomposition of an oxodiazirine: free versus incarcerated within the cavities of two β -cyclodextrins. <i>Tetrahedron Letters</i> , 2013, 54, 681-683.	1.4	3
57	Diastereoselective carbenes: Stereoelectronic control of bent singlet trans- β -substituted cyclobutylcarbenes. <i>Tetrahedron Letters</i> , 2018, 59, 645-649.	1.4	3
58	Proton NMR studies of syn- and anti-tricyclo [5.1.0.0 ^{3,5}]octanes and their dichloromethyl derivatives. <i>Magnetic Resonance in Chemistry</i> , 1992, 30, 1196-1202.	1.9	2
59	Probing the Nature and Extent of Stabilization within Foiled Carbenes: Homoallylic Participation by a Neighboring Cyclopropane Ring. <i>Journal of Organic Chemistry</i> , 2013, 78, 4879-4885.	3.2	2
60	Tricyclo[2.1.0.0 ^{2,5}]pent-3-ylidene: Stereoelectronic Control of Bridge-Flapping within a Nonclassical Nucleophilic Carbene. <i>Journal of Organic Chemistry</i> , 2021, 86, 878-891.	3.2	2
61	NMR examination of tricyclo[4.2.0.0 ^{1,3}]octane. <i>Magnetic Resonance in Chemistry</i> , 1991, 29, 465-467.	1.9	1
62	Thermal ring opening of 1,1-dibromo and 1-bromo-2-chloromethylcyclopropanes: observation of a formal debromochlorination. <i>Monatshefte für Chemie</i> , 2009, 140, 479-483.	1.8	1
63	Quest for Even Higher Stabilized Foiled Carbenes. <i>Journal of Organic Chemistry</i> , 2011, 76, 7491-7496.	3.2	1
64	Other Physicochemical Methods. , 2006, , 255-332.		0