

Bowls, Hoops, and Saddles: Synthetic Approaches to Cu

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Cyclization of 2-Biphenylthiols to Dibenzothiophenes under PdCl ₂ /DMSO Catalysis. <i>Organic Letters</i> , 2018, 20, 5439-5443.	2.4	38
2	Cyclobishelicenes: Shape-Persistent Figure-Eight Aromatic Molecules with Promising Chiroptical Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 14364-14369.	1.7	43
3	Bowl Inversion in an Exo-type Supramolecule in the Solid State. <i>Angewandte Chemie</i> , 2019, 131, 13410-13413.	1.6	3
4	Synthesis of Belt- and Möbius-Shaped Cycloparaphenylenes by Rhodium-Catalyzed Alkyne Cyclotrimerization. <i>Journal of the American Chemical Society</i> , 2019, 141, 14955-14960.	6.6	84
5	Synthesis of a Carbon Nanocone by Cascade Annulation. <i>Journal of the American Chemical Society</i> , 2019, 141, 13008-13012.	6.6	93
6	Shape-Persistent π -Conjugated Macrocycles with Aggregation-Induced Emission Property: Synthesis, Mechanofluorochromism, and Mercury(II) Detection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34232-34240.	4.0	45
7	How to make interlocked nanocarbons. <i>Science</i> , 2019, 365, 216-217.	6.0	6
8	Bowl Inversion in an Exo-type Supramolecule in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13276-13279.	7.2	12
9	Torsional chirality generation based on cyclic oligomers constructed from an odd number of pyrenes. <i>Chemical Communications</i> , 2019, 55, 9618-9621.	2.2	17
10	Application of Palladium-Catalyzed C(sp ²)-H Bond Arylation to the Synthesis of Polycyclic (Hetero)Aromatics. <i>CheM</i> , 2019, 5, 2006-2078.	5.8	101
11	Linear [3]Spirobifluorenylene: An S-Shaped Molecular Geometry of <i>p</i> -Oligophenyls. <i>Journal of the American Chemical Society</i> , 2019, 141, 18238-18245.	6.6	40
12	A Highly Warped Heptagon-Containing sp ² Carbon Scaffold via Vinylaphthyl π -Extension. <i>Angewandte Chemie</i> , 2019, 131, 16656-16659.	1.6	21
13	A Highly Warped Heptagon-Containing sp ² Carbon Scaffold via Vinylaphthyl π -Extension. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16504-16507.	7.2	48
14	The Consequences of Twisting Nanocarbons: Lessons from Tethered Twisted Acenes. <i>Accounts of Chemical Research</i> , 2019, 52, 2482-2490.	7.6	88
15	Synthesis and structural features of thiophene-fused analogues of warped nanographene and quintuple helicene. <i>Chemical Science</i> , 2019, 10, 2326-2330.	3.7	63
16	Doping Sumanene with Both Chalcogens and Phosphorus(V): One-Step Synthesis, Coordination, and Selective Response Toward Ag ⁺ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3819-3823.	7.2	40
17	Synthesis, Structures, and Properties of Heptabenzo[7]circulene and Octabenzo[8]circulene. <i>Journal of the American Chemical Society</i> , 2019, 141, 9680-9686.	6.6	116
18	Quinoxalinophenanthrophenazines (QPPs) and Hexabenzoovalenes (HBOs) - Proving the Solubility Enhancement by Triptycene End-Capping. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4891-4896.	1.2	13

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19	Polycyclic aromatic hydrocarbons in the graphene era. <i>Science China Chemistry</i> , 2019, 62, 1099-1144.	4.2	142
20	Synthesis of corannulene-based nanographenes. <i>Communications Chemistry</i> , 2019, 2, .	2.0	70
21	Size-Selective Synthesis of Large Cycloparaphenyleneacetylene Carbon Nanohoops Using Alkyne Metathesis. <i>Organic Letters</i> , 2019, 21, 4680-4683.	2.4	11
22	A remarkably strained cyclopyrenylene trimer that undergoes metal-free direct oxygen insertion into the biaryl C-C ĩf-bond. <i>Chemical Science</i> , 2019, 10, 6785-6790.	3.7	12
23	Synthesis of a Strained Spherical Carbon Nanocage by Regioselective Alkyne Cyclotrimerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9439-9442.	7.2	34
24	Synthesis of a Strained Spherical Carbon Nanocage by Regioselective Alkyne Cyclotrimerization. <i>Angewandte Chemie</i> , 2019, 131, 9539-9542.	1.6	12
25	Lemniscular [16]Cycloparaphenylene: A Radially Conjugated Figure-Eight Aromatic Molecule. <i>Journal of the American Chemical Society</i> , 2019, 141, 7421-7427.	6.6	134
26	Bowl-Shaped Carbon Nanobelts Showing Size-Dependent Properties and Selective Encapsulation of C ₇₀ . <i>Journal of the American Chemical Society</i> , 2019, 141, 5934-5941.	6.6	58
27	Photoconductive Curved Nanographene/Fullerene Supramolecular Heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6244-6249.	7.2	99
28	Nanohoop Rotaxanes from Active Metal Template Syntheses and Their Potential in Sensing Applications. <i>Angewandte Chemie</i> , 2019, 131, 7419-7423.	1.6	13
29	Nanohoop Rotaxanes from Active Metal Template Syntheses and Their Potential in Sensing Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7341-7345.	7.2	63
30	Fusing of Seven HBCs toward a Green Nanographene Propeller. <i>Journal of the American Chemical Society</i> , 2019, 141, 5511-5517.	6.6	127
31	A Triskelion-Shaped Saddle-Helix Hybrid Nanographene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8068-8072.	7.2	105
32	A Triskelion-Shaped Saddle-Helix Hybrid Nanographene. <i>Angewandte Chemie</i> , 2019, 131, 8152-8156.	1.6	47
33	Rhodium-Catalyzed Synthesis, Crystal Structures, and Photophysical Properties of [6]Cycloparaphenylene Tetracarboxylates. <i>Organic Letters</i> , 2019, 21, 3895-3899.	2.4	21
34	Photoconductive Curved Nanographene/Fullerene Supramolecular Heterojunctions. <i>Angewandte Chemie</i> , 2019, 131, 6310-6315.	1.6	30
35	ortho-Phenylene-Bridged Hybrid Nanorings of 2,5-Pyrrolylenes and 2,5-Thienylenes. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 994-1000.	1.3	11
36	Doping Sumanene with Both Chalcogens and Phosphorus(V): One-Step Synthesis, Coordination, and Selective Response Toward Ag I. <i>Angewandte Chemie</i> , 2019, 131, 3859-3863.	1.6	7

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37	Diagonally π -Extended Perylene-Based Bis(heteroacene) for Chiroptical Activity and Integrating Luminescence with Carrier-Transporting Capability. <i>Organic Letters</i> , 2019, 21, 1417-1421.	2.4	17
38	Inserting Nitrogen: An Effective Concept To Create Nonplanar and Stimuli-Responsive Perylene Bisimide Analogues. <i>Journal of the American Chemical Society</i> , 2019, 141, 19807-19816.	6.6	40
39	Synthesis of theoretically interesting molecules. <i>Strategies and Tactics in Organic Synthesis</i> , 2019, , 225-259.	0.1	0
40	Emerging applications of carbon nano hoops. <i>Nature Reviews Chemistry</i> , 2019, 3, 672-686.	13.8	193
41	Facile synthesis of fluorescent hetero[8]circulene analogues with tunable solubilities and optical properties. <i>Chemical Science</i> , 2019, 10, 11006-11012.	3.7	34
42	Chiroptical Properties of Twisted Acenes: Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2019, 25, 3279-3285.	1.7	27
43	Trichalcogenasumanenes containing various chalcogen atoms: synthesis, structure, properties, and chemical reactivity. <i>Organic Chemistry Frontiers</i> , 2019, 6, 263-272.	2.3	26
44	The Supramolecular Chemistry of Strained Carbon Nano hoops. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 559-573.	7.2	162
45	Synthesis and Properties of Conjugated Nano hoops Incorporating Dibenzo[<i>a</i> , <i>e</i>]pentalenes: [2]DBP[12]CPPs. <i>Journal of Organic Chemistry</i> , 2020, 85, 34-43.	1.7	37
46	Supramolekulare Chemie von gespannten Kohlenstoffnanoreifen. <i>Angewandte Chemie</i> , 2020, 132, 567-582.	1.6	65
47	π -Conjugated Macrocycles Bearing Angle-Strained Alkynes. <i>Chemistry - A European Journal</i> , 2020, 26, 2529-2575.	1.7	36
48	Synthetic Applications of Oxidative Aromatic Coupling—From Biphenols to Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2998-3027.	7.2	224
49	Syntheseanwendungen der oxidativen aromatischen Kupplung von Biphenolen zu Nanographenen. <i>Angewandte Chemie</i> , 2020, 132, 3020-3050.	1.6	74
50	A Chiral Polycyclic Aromatic Hydrocarbon Monkey Saddle. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 270-274.	7.2	71
51	Synthesis and Structure of [9]Cycloparaphenylene Catenane: An All-Benzene Catenane Consisting of Small Rings. <i>Organic Letters</i> , 2020, 22, 1067-1070.	2.4	24
52	Dicyclohepta[<i>ijkl</i>] ₂ [<i>uvw</i>] ₂ rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Nonbenzenoid Nanographene. <i>Angewandte Chemie</i> , 2020, 132, 3557-3561.	1.6	33
53	Dicyclohepta[<i>ijkl</i>] ₂ [<i>uvw</i>] ₂ rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Nonbenzenoid Nanographene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3529-3533.	7.2	82
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55	A Chiral Polycyclic Aromatic Hydrocarbon Monkey Saddle. <i>Angewandte Chemie</i> , 2020, 132, 276-280.	1.6	24
56	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3264-3271.	7.2	67
57	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. <i>Angewandte Chemie</i> , 2020, 132, 3290-3297.	1.6	29
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61	Mechanochemical Synthesis of Corannulene-Based Curved Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21620-21626.	7.2	53
62	Synthesis and assembly of extended quintulene. <i>Nature Communications</i> , 2020, 11, 3976.	5.8	28
63	Synthesis of 1,2-dihydro-1,3,5-triazine derivatives via Cu-catalyzed C(sp ³)-H activation of N,N-dimethylethanolamine with amidines. <i>Chemical Communications</i> , 2020, 56, 10946-10949.	2.2	18
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66	Mechanochemical Synthesis of Corannulene-Based Curved Nanographenes. <i>Angewandte Chemie</i> , 2020, 132, 21804-21810.	1.6	14
67	Self-Associating Curved π -Electronic Systems with Electron-Donating and Hydrogen-Bonding Properties. <i>Journal of the American Chemical Society</i> , 2020, 142, 16420-16428.	6.6	12
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69	Theoretical Insights for Materials Properties of Cyclic Organic Nanorings. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000110.	1.3	4
70	Synthesis, Structures, and Properties of Highly Strained Cyclophenylene-Ethynylenes with Axial and Helical Chirality. <i>Angewandte Chemie</i> , 2020, 132, 18107-18113.	1.6	9
71	Enantiospecific Generation and Trapping Reactions of Aryne Atropisomers. <i>Journal of the American Chemical Society</i> , 2020, 142, 16921-16925.	6.6	23
72	Flexible C-C Bonds: Reversible Expansion, Contraction, Formation, and Scission of Extremely Elongated Single Bonds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22252-22257.	7.2	25

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73	Flexible C=C Bonds: Reversible Expansion, Contraction, Formation, and Scission of Extremely Elongated Single Bonds. <i>Angewandte Chemie</i> , 2020, 132, 22436-22441.	1.6	8
74	Increasing and dispersing strain in pyrene-fused azaacenes. <i>Chemical Communications</i> , 2020, 56, 11457-11460.	2.2	7
75	Conformation and Aromaticity Switching in a Curved Non-Alternant sp ² Carbon Scaffold. <i>Angewandte Chemie</i> , 2020, 132, 21689-21693.	1.6	23
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80	Structural order and charge transfer in highly strained carbon nanobelts. <i>New Journal of Chemistry</i> , 2020, 44, 15769-15775.	1.4	14
81	Molecular Bows-Strained Bow-shaped Macrocycles. <i>Chemistry Letters</i> , 2020, 49, 1329-1336.	0.7	5
82	Porphyrin-based systems containing polyaromatic fragments: decoupling the synergistic effects in aromatic-porphyrin-fullerene systems. <i>RSC Advances</i> , 2020, 10, 36164-36173.	1.7	7
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85	An Isosteric Triaza Analogue of a Polycyclic Aromatic Hydrocarbon Monkey Saddle. <i>Chemistry - A European Journal</i> , 2020, 26, 14560-14564.	1.7	25
86	Dynamic Covalent Formation of Concave Disulfide Macrocycles Mechanically Interlocked with Single-Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18774-18785.	7.2	35
87	Triskelion-Shaped π -Luminophores Bearing Coumarin: Syntheses, Structures, and Luminescence Properties. <i>ChemPhotoChem</i> , 2020, 4, 5159-5167.	1.5	4
88	Mechanische Verzahnung von einwandigen Kohlenstoffnanoröhren durch dynamisch-kovalente Bildung von konkaven Disulfidmakrozyklen. <i>Angewandte Chemie</i> , 2020, 132, 18933-18945.	1.6	8
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92	Active Metal Template Synthesis and Characterization of a Nanohoop [c2]Daisy Chain Rotaxane. Chemistry - A European Journal, 2020, 26, 10205-10209.	1.7	27
93	Syntheses and Characterizations of Functional Polycyclic Aromatic Hydrocarbons and Graphene Nanoribbons. Bulletin of the Chemical Society of Japan, 2020, 93, 490-506.	2.0	62
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101	Of Twists and Curves: Electronics, Photophysics, and Upcoming Applications of Non-Planar Conjugated Organic Molecules. Chemistry - A European Journal, 2020, 26, 10653-10675.	1.7	41
102	Dissociative Electron Attachment to 2,3,6,7,10,11-Hexabromotriphenylene. Journal of Physical Chemistry A, 2020, 124, 690-694.	1.1	6
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109	Synthesis of a Sidewall Fragment of a (12,0) Carbon Nanotube. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2658-2662.	7.2	75
110	Synthesis of a Sidewall Fragment of a (12,0) Carbon Nanotube. <i>Angewandte Chemie</i> , 2021, 133, 2690-2694.	1.6	25
111	Enantioselective Pd ⁰ -Catalyzed C(sp ²)-H Arylation for the Synthesis of Chiral Warped Molecules. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5136-5140.	7.2	9
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113	Octagon-Embedded Carbohelicene as a Chiral Motif for Circularly Polarized Luminescence Emission of Saddle-Helix Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6094-6100.	7.2	70
114	Conjugated Nano hoops Incorporating Donor, Acceptor, Hetero- or Polycyclic Aromatics. <i>Angewandte Chemie</i> , 2021, 133, 15877-15900.	1.6	21
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116	Synthesis and derivatization of hetero-buckybowls. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 101-122.	1.5	22
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119	Conjugated Nano hoops Incorporating Donor, Acceptor, Hetero- or Polycyclic Aromatics. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15743-15766.	7.2	108
120	Topologically diverse polycyclic aromatic hydrocarbons from pericyclic reactions with polyaromatic phospholes. <i>New Journal of Chemistry</i> , 2021, 45, 8118-8124.	1.4	2
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125	Visualizing electron delocalization in contorted polycyclic aromatic hydrocarbons. <i>Chemical Science</i> , 2021, 12, 13092-13100.	3.7	17
126	Porphyry Bearing Phenothiazine Pincers as Hosts for Fullerene Binding via Concave-Convex Complementarity: Synthesis and Complexation Study. <i>New Journal of Chemistry</i> , 0, , .	1.4	3

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127	Dimeric Cycloparaphenylenes with a Rigid Aromatic Linker. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7649-7653.	7.2	47
128	Double π -Extended Undecabenzo[7]helicene. <i>Angewandte Chemie</i> , 2021, 133, 7875-7880.	1.6	17
129	Dimeric Cycloparaphenylenes with a Rigid Aromatic Linker. <i>Angewandte Chemie</i> , 2021, 133, 7727-7731.	1.6	12
130	Dinaphtho[1,8- <i>bc</i> :1,8- <i>fg</i>][1,5]dithiocine Bisimide. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 541-544.	4.4	4
131	Double π -Extended Undecabenzo[7]helicene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7796-7801.	7.2	57
132	Octagon-Embedded Carbohelicene as a Chiral Motif for Circularly Polarized Luminescence Emission of Saddle-Helix Nanographenes. <i>Angewandte Chemie</i> , 2021, 133, 6159-6165.	1.6	21
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134	Curved Perylene Diimides Fused with Seven-Membered Rings. <i>Chemistry - an Asian Journal</i> , 2021, 16, 690-695.	1.7	7
135	Radially π -Extended Pyrrole-Fused Azacoronene: A Series of Crystal Structures of HPHAC with Various Oxidation States. <i>Journal of Organic Chemistry</i> , 2021, 86, 4290-4295.	1.7	22
136	Chiral Dibenzopentalene-Based Conjugated Nanohoops through Stereoselective Synthesis. <i>Angewandte Chemie</i> , 2021, 133, 10775-10784.	1.6	9
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