Graham J Bodwell

List of Publications by Year
in descending order

81	2,226	186265	233421
papers	citations	28 h-index	45 g-index

87	87	87	1505
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cyclophanes containing large polycyclic aromatic hydrocarbons. Chemical Society Reviews, 2015, 44, 6494-6518.	38.1	129
2	1,1,8,8â€Tetramethyl[8](2,11)teropyrenophane: Half of an Aromatic Belt and a Segment of an (8,8) Singleâ€Walled Carbon Nanotube. Angewandte Chemie - International Edition, 2009, 48, 5487-5491.	13.8	113
3	Nonplanar Aromatic Compounds. 8.1 Synthesis, Crystal Structures, and Aromaticity Investigations of the 1,n-Dioxa[n](2,7)pyrenophanes. How Does Bending Affect the Cyclic Ï€-Electron Delocalization of the Pyrene System?. Journal of Organic Chemistry, 2003, 68, 2089-2098.	3.2	107
4	Nonplanar Aromatic Compounds. 6. [2]Paracyclo[2](2,7)pyrenophane. A Novel Strained Cyclophane and a First Step on the Road to a â€œVÃ¶gtleâ€•Beltâ€. Organic Letters, 2001, 3, 2093-2096.	4.6	88
5	1,7-Dioxa[7](2,7)pyrenophane: The Pyrene Moiety Is More Bent than That of C70. Chemistry - A European Journal, 1999, 5, 1823-1827.	3.3	82
6	1,8-Dioxa[8](2,7)pyrenophane, a Severely Distorted Polycyclic Aromatic Hydrocarbon. Angewandte Chemie International Edition in English, 1996, 35, 1320-1321.	4.4	79
7	Chimerical Pyreneâ€Based [7]Helicenes as Twisted Polycondensed Aromatics. Chemistry - A European Journal, 2015, 21, 8910-8917.	3.3	77
8	A Concise Formal Total Synthesis of (ï¿½ï¿½)-Strychnine by Using a Transannular Inverse-Electron-Demand Dielsï¿½ï¿½ï¿½Alder Reaction of a [3](1,3)Indolo[3](3,6)pyridazinophane. Angewandte Chemie - International Edition, 2002, 41, 3261-3262.	13.8	73
9	Nonplanar Aromatic Compounds.â€3. A Proposed New Strategy for the Synthesis of Buckybowls. Synthesis, Structure and Reactions of [7]-, [8]- and [9](2,7)Pyrenophanes. Journal of Organic Chemistry, 2000, 65, 5360-5370.	3.2	72
10	Electrogenerated Chemiluminescence. 74. Photophysical, Electrochemical, and Electrogenerated Chemiluminescent Studies of Selected Nonplanar Pyrenophanes. Journal of Physical Chemistry A, 2004, 108, 376-383.	2.5	72
11	Concise Synthesis and Transannular Inverse Electron Demand Dielsâ^'Alder Reaction of [3](3,6)Pyridazino[3](1,3)indolophane. Rapid Access to a Pentacyclic Indoloid System. Organic Letters, 2002, 4, 127-130.	4.6	66
12	The New Inductees in theâ€œHall of Phaneâ€â€"No Phane, No Gain. Angewandte Chemie International Edition in English, 1996, 35, 2085-2088.	4.4	57
13	Non-planar aromatic compounds. Part 4: Fine tuning the degree of bend in the pyrene moiety of [7](2,7)pyrenophanes by modifying the nature of the bridge. Tetrahedron, 2001, 57, 3577-3585.	1.9	57
14	Interplay of Ï€-Electron Delocalization and Strain in [n](2,7)Pyrenophanes. Journal of Organic Chemistry, 2008, 73, 8001-8009.	3.2	55
15	1,8-Pyrenyleneâ^'Ethynylene Macrocycles. Organic Letters, 2011, 13, 2240-2243.	4.6	55
16	Nonplanar aromatic compounds. Part 10: A strategy for the synthesis of aromatic belts-all wrapped up or down the tubes?. Pure and Applied Chemistry, 2008, 80, 533-546.	1.9	49
17	Nonplanar Aromatic Compounds. 9. Synthesis, Structure, and Aromaticity of 1:2,13:14-Dibenzo[2]paracyclo[2](2,7)- pyrenophane-1,13-diene. Organic Letters, 2008, 10, 273-276.	4.6	48
18	Growth potential. Nature Nanotechnology, 2010, 5, 103-104.	31.5	43

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19	1,1,n,n-Tetramethyl[n](2,11)teropyrenophanes (n = 7â€“9): a series of armchair SWCNT segments. Chemical Communications, 2013, 49, 5930.	4.1	43
20	Dioxa[8](2,7)pyrenophan, ein stark verzerrter, polycyclischer, aromatischer Kohlenwasserstoff. Angewandte Chemie, 1996, 108, 1418-1420.	2.0	39
21	Olefination Reactions in the Synthesis of Cyclophanes. Israel Journal of Chemistry, 2012, 52, 105-138.	2.3	38
22	Stretch Effects Induced by Molecular Strain on Weakening Ïƒ-Bonds: Molecular Design of Long-Lived Diradicals (Biradicals). Journal of Organic Chemistry, 2012, 77, 7612-7619.	3.2	31
23	Sodium Sulfide Adsorbed on Alumina as a Reagent for the Facile Synthesis of 2,11-Dithia[3.3]metacyclophanes. Synlett, 1995, 1995, 751-752.	1.8	30
24	Synthesis, Crystal Structure, and Resolution of [10](1,6)Pyrenophane: An Inherently Chiral [n]Cyclophane. Journal of Organic Chemistry, 2012, 77, 57-67.	3.2	30
25	Nonplanar Aromatic Compounds. 5.1A Strategy for the Synthesis ofcis-10b,10c-Dimethyl-10b,10c-dihydropyrenes. First Crystal Structure of acis-10b,10c-Dimethyl-10b,10c-dihydropyrene. Journal of the American Chemical Society, 2001, 123, 4704-4708.	13.7	29
26	A fusion of metals, cyclophanes and dihydropyrenes. Pure and Applied Chemistry, 1986, 58, 15-24.	1.9	28
27	Phanâ€tastische Phane â€“ Strukturvielfalt ohne Ende. Angewandte Chemie, 1996, 108, 2221-2224.	2.0	28
28	â€œPolyunsaturatedâ€•Cyclophanes. Angewandte Chemie - International Edition, 2002, 41, 4003-4006.	13.8	28
29	Reduction of Strained Polycycles:Â How Much Strain Can a Pyrene Anion Take?. Journal of the American Chemical Society, 2004, 126, 6765-6775.	13.7	28
30	[2](1,3)Adamantano[2](2,7)pyrenophane: A Hydrocarbon with a Large Dipole Moment. Angewandte Chemie - International Edition, 2016, 55, 9277-9281.	13.8	28
31	Synthesis of Pyreneâ€4,5â€dione on a 15 g Scale. European Journal of Organic Chemistry, 2016, 2016, 5933-5936.	2.4	27
32	Synthesis, structure and AM1 conformational study of [3]paracyclo[3](1,3)indolophane, a novel chiral cyclophane. Tetrahedron, 1999, 55, 12939-12956.	1.9	25
33	â€œThe Great Escapeâ€•from Antiaromaticity:Â Reduction of Strained Pyrenes. Journal of the American Chemical Society, 2003, 125, 1720-1721.	13.7	25
34	Pyrenoimidazolyl-Benzaldehyde Fluorophores: Synthesis, Properties, and Sensing Function for Fluoride Anions. ACS Omega, 2018, 3, 16387-16397.	3.5	25
35	A Concise Formal Total Synthesis of (ï¿½ï¿½)-Strychnine by Using a Transannular Inverse-Electron-Demand Dielsï¿½ï¿½ï¿½Alder Reaction of a [3](1,3)Indolo[3](3,6)pyridazinophane. Angewandte Chemie, 2002, 114, 3395-3396.	2.0	23
36	Extraordinary Transformations to Achieve the Synthesis of Remarkable Aromatic Compounds. Chemical Record, 2014, 14, 547-567.	5.8	21

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37	Gramâ€Scale Synthesis and Highly Regioselective Bromination of 1,1,9,9â€Tetramethyl[9](2,11)teropyrenophane. Angewandte Chemie - International Edition, 2018, 57, 1707-1711.	13.8	21
38	Concise, aromatization-based approach to an elaborate C2-symmetric pyrenophane. Chemical Communications, 2012, 48, 7747.	4.1	20
39	Mixed [2.2]Cyclophanes of Pyrene and Benzene. Australian Journal of Chemistry, 2010, 63, 1703.	0.9	19
40	A C-Pyrenyl Poly(methylenephosphine): Oxidation â€œTurns Onâ€•Blue Photoluminescence in Solution and the Solid State. Organometallics, 2017, 36, 2520-2526.	2.3	19
41	A Macrocyclization of 1,8-Bis(dithiafulvenyl)pyrenes. Organic Letters, 2016, 18, 2403-2406.	4.6	17
42	Synthesis of a Ï€â€Extended Azacorannulenophane Enabled by Strainâ€Induced 1,3â€Dipolar Cycloaddition. Angewandte Chemie - International Edition, 2022, 61, .	13.8	17
43	Synâ€•und antiâ€[2.2]Orthometacyclophan. Angewandte Chemie, 1989, 101, 509-510.	2.0	16
44	Closing the loop. Nature Chemistry, 2014, 6, 383-385.	13.6	16
45	â€žMehrfach ungesÃttigteâ€œ Cyclophane. Angewandte Chemie, 2002, 114, 4175-4178.	2.0	15
46	syn- andanti-[2.2]Orthometacyclophane. Angewandte Chemie International Edition in English, 1989, 28, 455-456.	4.4	14
47	[2](1,3)Adamantano[2](2,7)pyrenophane: A Hydrocarbon with a Large Dipole Moment. Angewandte Chemie, 2016, 128, 9423-9427.	2.0	14
48	The Development of Synthetic Routes to 1,1,n,nâ€Tetramethyl[n](2,11)teropyrenophanes. European Journal of Organic Chemistry, 2019, 2019, 4546-4560.	2.4	14
49	Reductive Dimerization of Tethered Pyrenes: Implications for the Reduction of Polcyclic Aromatic Hydrocarbons. Angewandte Chemie - International Edition, 2003, 42, 2547-2550.	13.8	13
50	Synthesis, structure and AM1 conformational study of 1,12-dioxa-2,11-dioxo[3.3]orthocyclophane. Tetrahedron Letters, 1997, 38, 1469-1472.	1.4	12
51	Generation of an extremely bent pyrene system using kinetic stabilization. Canadian Journal of Chemistry, 2017, 95, 460-481.	1.1	12
52	Gramâ€Scale Synthesis and Highly Regioselective Bromination of 1,1,9,9â€Tetramethyl[9](2,11)teropyrenophane. Angewandte Chemie, 2018, 130, 1723-1727.	2.0	12
53	Contractive Annulation: A Strategy for the Synthesis of Small, Strained Cyclophanes and Its Application in the Synthesis of [2](6,1)Naphthaleno[1]paracyclophane. Angewandte Chemie - International Edition, 2019, 58, 9166-9170.	13.8	12
54	Kinetic Stabilization of a Highly Bent Pyrene System. Synlett, 2016, 27, 2113-2116.	1.8	11

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55	Cyclophane, XXIX. Gasphasenpyrolyse von 2,11â€Dithia[3.3](1,2)(1,4)cyclophanâ€S,S,Sâ€²,Sâ€²â€tetraoxid. Chemische Berichte, 1989, 122, 1013-1016.	0.2	10
56	Cyclophanes, XXXVIII. [2]Metacyclo[2]indenophanes: Synthesis, Anions and Iron Complexes. Chemische Berichte, 1993, 126, 167-175.	0.2	10
57	Advanced Molecular Nanocarbons: Fertile Ground for Discovery, Creation, and Invention. Accounts of Chemical Research, 2019, 52, 2757-2759.	15.6	9
58	Gramâ€Scale Synthesis of the 1,1,n,nâ€Tetramethyl[n](2,11)teropyrenophanes. Chemistry - A European Journal, 2021, 27, 390-400.	3.3	7
59	Synthesis, supramolecular complexation and DFTstudies of a bis(pyrene)-appended â€˜cappedâ€™ triazole-linked calix[4]arene as Zn2+ and Cd2+ fluorescent chemosensors. Supramolecular Chemistry, 2020, 32, 325-333.	1.2	6
60	Highly sensitive detection for alkaline phosphatase using doped ZnS quantum dots with room temperature phosphorescence and its logic gate function. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111968.	5.0	6
61	Synthesis of a Ï€â€Extended Azacorannulenophane Enabled by Strainâ€Induced 1,3â€Dipolar Cycloaddition. Angewandte Chemie, 0, , .	2.0	6
62	A TTFVâ€“pyrene-based copolymer: synthesis, redox properties, and aggregation behaviour. RSC Advances, 2015, 5, 23952-23956.	3.6	5
63	Endo or Exo? Structures of Gasâ€Phase Alkali Metal Cation/Aromatic Halfâ€Belt Complexes. ChemPhysChem, 2018, 19, 2194-2199.	2.1	4
64	Synthesis of Oligo(1,8â€pyrenylene)s: A Series of Functional Molecular Liquids. ChemPlusChem, 2019, 84, 754-765.	2.8	4
65	Crystal Engineering and Photophysical Properties of Phenyl-Pyrenoimidazole Systems. Crystal Growth and Design, 2020, 20, 1681-1693.	3.0	4
66	Synthesis of anti-[1](1,6)Naphthaleno[1](1,6)naphthalenophane by Double Contractive Annulation of [2.2]Paracyclophane. Organic Letters, 2022, 24, 5009-5013.	4.6	4
67	Design and Synthesis of Tetrandrine Derivatives as Potential Antiâ€tumor Agents Against A549 Cell Lines. ChemistrySelect, 2019, 4, 196-201.	1.5	3
68	The phenine concept delivers a nitrogen-doped nanotube and evokes infinite possibilities. Communications Chemistry, 2020, 3, .	4.5	3
69	â€œShadowâ€•Synthesis, Structure, and Electronic Properties of [2.2](1,6)(1,8)Pyrenophane-1-monoene. Journal of Organic Chemistry, 2021, 86, 4405-4412.	3.2	3
70	Synthesis of [2.2]Paracyclophane/9-Alkylfluorene Hybrids and the Discovery of a Solvent-assisted Rearrangement. Organic Letters, 2021, 23, 5461-5465.	4.6	3
71	A Highly Congested Dioxapyrenophane from an Attempted Synthesis of the Highlyâ€Strained 1,1,6,6â€Tetramethyl[6](2,11)teropyrenophane. European Journal of Organic Chemistry, 2021, 2021, 3559-3568.	2.4	3
72	Synthesis of 5-Alkynyltetrandrine Derivatives and Evaluation of their Anticancer Activity on A549 Cell Lines. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 1454-1462.	1.7	2

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73	Contractive Annulation: A Strategy for the Synthesis of Small, Strained Cyclophanes and Its Application in the Synthesis of [2](6,1)Naphthaleno[1]paracyclophane. Angewandte Chemie, 2019, 131, 9264-9268.	2.0	1
74	Sodium sulfide on coal fly ash (Na2S/CFA) as a reagent for the synthesis of dithia[3.3]cyclophanes. Canadian Journal of Chemistry, 2020, 98, 322-326.	1.1	1
75	1,7-Dioxa[7](2,7)pyrenophane: The Pyrene Moiety Is More Bent than That of C70. , 1999, 5, 1823.		1
76	A Concise Formal Total Synthesis of (Â±)-Strychnine by Using a Transannular Inverse-Electron-Demand Dielsâ€“Alder Reaction of a [3](1,3)Indolo[3](3,6)pyridazinophane. , 2002, 41, 3261.		1
77	â€œPolyunsaturatedâ€•Cyclophanes.. ChemInform, 2003, 34, no.	0.0	0
78	Nonplanar Aromatic Compounds. Part 8. Synthesis, Crystal Structures, and Aromaticity Investigations of the 1,n-Dioxa[n](2,7)pyrenophanes. How Does Bending Affect the Cyclic Ï€-Electron Delocalization of the Pyrene System?. ChemInform, 2003, 34, no.	0.0	0
79	A New Wrinkle in Oligoarylene Architecture. Angewandte Chemie - International Edition, 2017, 56, 10642-10643.	13.8	0
80	Eine neue Raffinesse bei Oligoarylenâ€Architekturen. Angewandte Chemie, 2017, 129, 10778-10779.	2.0	0
81	Comparative study of the photophysical and crystallographic properties of 4-(9H-pyreno[4,5-d]imidazol-10-yl)phenol and its alkylated derivatives. New Journal of Chemistry, 2021, 45, 7647-7658.	2.8	0