

Lawrence T Scott

List of Publications by Year in descending order

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264
papers

16,750
citations

17440

63
h-index

20358

116
g-index

372
all docs

372
docs citations

372
times ranked

7836
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-phase production and photoelectron spectroscopy of the smallest fullerene, C ₂₀ . <i>Nature</i> , 2000, 407, 60-63.	27.8	700
2	Geodesic Polyarenes by Flash Vacuum Pyrolysis. <i>Chemical Reviews</i> , 2006, 106, 4868-4884.	47.7	681
3	A grossly warped nanographene and the consequences of multiple odd-membered-ring defects. <i>Nature Chemistry</i> , 2013, 5, 739-744.	13.6	548
4	A Rational Chemical Synthesis of C ₆₀ . <i>Science</i> , 2002, 295, 1500-1503.	12.6	406
5	Corannulene. A convenient new synthesis. <i>Journal of the American Chemical Society</i> , 1991, 113, 7082-7084.	13.7	343
6	Corannulene bowl-to-bowl inversion is rapid at room temperature. <i>Journal of the American Chemical Society</i> , 1992, 114, 1920-1921.	13.7	338
7	A Short, Rigid, Structurally Pure Carbon Nanotube by Stepwise Chemical Synthesis. <i>Journal of the American Chemical Society</i> , 2012, 134, 107-110.	13.7	335
8	Fragments of fullerenes: Novel syntheses, structures and reactions. <i>Pure and Applied Chemistry</i> , 1996, 68, 291-300.	1.9	329
9	π-Orbital conjugation and rehybridization in bridged annulenes and deformed molecules in general: π-orbital axis vector analysis. <i>Pure and Applied Chemistry</i> , 1986, 58, 137-142.	1.9	283
10	Hole-Transporting Materials with a Two-Dimensionally Expanded π-System around an Azulene Core for Efficient Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 15656-15659.	13.7	271
11	Corannulene. A Three-Step Synthesis ¹ . <i>Journal of the American Chemical Society</i> , 1997, 119, 10963-10968.	13.7	227
12	Methods for the Chemical Synthesis of Fullerenes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4994-5007.	13.8	227
13	Diels-Alder Reactivity of Polycyclic Aromatic Hydrocarbon Bay Regions: Implications for Metal-Free Growth of Single-Chirality Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2009, 131, 16006-16007.	13.7	224
14	Geodesic polyarenes with exposed concave surfaces. <i>Pure and Applied Chemistry</i> , 1999, 71, 209-219.	1.9	223
15	Pentaindenocorannulene and Tetraindenocorannulene: A New Aromatic Hydrocarbon π Systems with Curvatures Surpassing That of C ₆₀ . <i>Journal of the American Chemical Society</i> , 2007, 129, 484-485.	13.7	195
16	Stable High-Order Molecular Sandwiches: Hydrocarbon Polyanion Pairs with Multiple Lithium Ions Inside and Out. <i>Science</i> , 1994, 265, 1065-1067.	12.6	190
17	Groundwork for a Rational Synthesis of C ₆₀ : Cyclodehydrogenation of a C ₆₀ H ₃₀ Polyarene. <i>Science</i> , 2001, 294, 828-831.	12.6	186
18	X-ray Quality Geometries of Geodesic Polyarenes from Theoretical Calculations: What Levels of Theory Are Reliable?. <i>Journal of Organic Chemistry</i> , 2005, 70, 5713-5716.	3.2	186

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19	Embracing C ₆₀ with Multiarmed Geodesic Partners. <i>Journal of the American Chemical Society</i> , 2001, 123, 12770-12774.	13.7	168
20	Aromatic π -Systems More Curved Than C ₆₀ . The Complete Family of All Indenocorannulenes Synthesized by Iterative Microwave-Assisted Intramolecular Arylations. <i>Journal of the American Chemical Society</i> , 2009, 131, 10537-10545.	13.7	167
21	Interstellar Chemistry: A Strategy for Detecting Polycyclic Aromatic Hydrocarbons in Space. <i>Journal of the American Chemical Society</i> , 2005, 127, 4345-4349.	13.7	158
22	Rearrangements and interconversions of compounds of the formula (CH) _n . <i>Chemical Reviews</i> , 1972, 72, 181-202.	47.7	155
23	Corannulene Tetraanion: A Novel Species with Concentric Anionic Rings. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1636-1637.	4.4	152
24	A New Suzuki-Heck-Type Coupling Cascade: Indeno[1,2,3]-Annulation of Polycyclic Aromatic Hydrocarbons. <i>Journal of Organic Chemistry</i> , 2003, 68, 883-887.	3.2	152
25	Synthesis and Characterization of a C ₃₆ H ₁₂ Fullerene Subunit. <i>Journal of the American Chemical Society</i> , 1996, 118, 8743-8744.	13.7	151
26	Corannulene Reduction: Spectroscopic Detection of All Anionic Oxidation States. <i>Journal of the American Chemical Society</i> , 1995, 117, 6254-6257.	13.7	143
27	A Quintuple [6]Helicene with a Corannulene Core as a C ₅ -Symmetric Propeller-Shaped π -System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1337-1341.	13.8	134
28	Conjugated Belts and Nanorings with Radially Oriented p Orbitals. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4133-4135.	13.8	133
29	Pushing the Ir-Catalyzed C-H Polyborylation of Aromatic Compounds to Maximum Capacity by Exploiting Reversibility. <i>Journal of the American Chemical Society</i> , 2012, 134, 15169-15172.	13.7	128
30	Novel Syntheses of Three C ₃₀ H ₁₂ Bowl-Shaped Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 406-408.	4.4	126
31	Circumtrindene: A Geodesic Dome of Molecular Dimensions. Rational Synthesis of 60 of C ₆₀ . <i>Journal of the American Chemical Society</i> , 2000, 122, 2719-2724.	13.7	126
32	Coordination chemistry of buckybowl: from corannulene to a hemifullerene. <i>Dalton Transactions</i> , 2005, , 2969.	3.3	123
33	One-Step Conversion of Aromatic Hydrocarbon Bay Regions into Unsubstituted Benzene Rings: A Reagent for the Low-Temperature, Metal-Free Growth of Single-Chirality Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6626-6628.	13.8	121
34	Imposing Curvature on a Polyarene by Intramolecular Palladium-Catalyzed Arylation Reactions: A Simple Synthesis of Dibenzo[a,g]corannulene. <i>Organic Letters</i> , 2000, 2, 1427-1430.	4.6	119
35	Elaboration of Diaryl Ketones into Naphthalenes Fused on Two or Four Sides: A Naphthoannulation Procedure. <i>Journal of the American Chemical Society</i> , 2004, 126, 3108-3112.	13.7	119
36	³ He NMR of He@C ₆₀ and He@C ₇₀ . New Records for the Most Shielded and the Most Deshielded ³ He Inside a Fullerene. <i>Journal of the American Chemical Society</i> , 1998, 120, 6389-6393.	13.7	117

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37	Hemibuckminsterfullerene C ₃₀ H ₁₂ : X-ray Crystal Structures of the Parent Hydrocarbon and of the Two-Dimensional Organometallic Network {[Rh ₂ (O ₂ CCF ₃) ₄] ₃ ·(C ₃₀ H ₁₂)}. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5477-5481.	13.8	113
38	New Strategies for Synthesizing Short Sections of Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5400-5402.	13.8	110
39	Concave Polyarenes with Sulfide-Linked Flaps and Tentacles: A New Electron-Rich Hosts for Fullerenes. <i>Journal of Organic Chemistry</i> , 2005, 70, 6158-6163.	3.2	108
40	Synthesis and Characterization of the Three Dicyclopentapyrenes ¹ . <i>Journal of Organic Chemistry</i> , 1996, 61, 386-388.	3.2	102
41	A Water-Soluble Warped Nanographene: Synthesis and Applications for Photoinduced Cell Death. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2874-2878.	13.8	102
42	Carbon nanotubes from short hydrocarbon templates. Energy analysis of the Diels-Alder cycloaddition/rearomatization growth strategy. <i>Journal of Materials Chemistry</i> , 2011, 21, 1373-1381.	6.7	101
43	Completely Spirocyclopropanated Macrocyclic Oligodiacetylenes: The Family of "Exploding" Rotanes. <i>Chemistry - A European Journal</i> , 1995, 1, 124-131.	3.3	98
44	Thermal rearrangements of aromatic compounds. <i>Accounts of Chemical Research</i> , 1982, 15, 52-58.	15.6	96
45	Cyclynes. Part 4. Pericyclynes of the order [5], [6], [7], and [8]. Simple convergent syntheses and chemical reactions of the first homoconjugated cyclic polyacetylenes. <i>Journal of the American Chemical Society</i> , 1985, 107, 6546-6555.	13.7	95
46	Identification of C ₂₀ H ₁₀ Dicyclopentapyrenes in Flames: A Correlation with Corannulene and Fullerene Formation. <i>The Journal of Physical Chemistry</i> , 1996, 100, 17421-17428.	2.9	93
47	Stability and Aromaticity of the Cyclopenta-Fused Pyrene Congeners. <i>Journal of the American Chemical Society</i> , 2002, 124, 2363-2370.	13.7	93
48	Electrochemical and Theoretical Investigation of Corannulene Reduction Processes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1954-1962.	2.6	93
49	Hexaspiro[2.4.2.4.2.4.2.4.2.4.2.4]dotetraconta-4,6,11,13,18,20,25,27,32,34,39,41-dodecayne An Exploding[6]Rotane. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 869-871.	4.4	92
50	Palladium-Catalyzed C-H Activation Taken to the Limit. Flattening an Aromatic Bowl by Total Arylation. <i>Journal of the American Chemical Society</i> , 2012, 134, 15664-15667.	13.7	89
51	Thermal rearrangements of aromatic compounds. 11. Benzene ring contractions at high temperatures. Evidence from the thermal interconversions of aceanthrylene, acephenanthrylene, and fluoranthene. <i>Journal of the American Chemical Society</i> , 1987, 109, 5461-5465.	13.7	85
52	Intense and Tunable Electrochemiluminescence of Corannulene. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19467-19472.	3.1	85
53	Transition-Metal Complexes of an Open Geodesic Polyarene. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3375-3379.	13.8	82
54	Gas-phase ion/molecule reactions of corannulene, a fullerene subunit. <i>Journal of the American Chemical Society</i> , 1993, 115, 11636-11637.	13.7	81

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55	π-π Interactions and Solid State Packing Trends of Polycyclic Aromatic Bowls in the Indenocorannulene Family: Predicting Potentially Useful Bulk Properties. <i>Crystal Growth and Design</i> , 2010, 10, 4607-4621.	3.0	81
56	Nearly Exclusive Growth of Small Diameter Semiconducting Single-Wall Carbon Nanotubes from Organic Chemistry Synthetic End-Cap Molecules. <i>Nano Letters</i> , 2015, 15, 586-595.	9.1	81
57	Oligoindenopyrenes: A New Class of Polycyclic Aromatics. <i>Journal of Organic Chemistry</i> , 2006, 71, 9080-9087.	3.2	80
58	Corannulene and its penta-tert-butyl derivative co-crystallize 1:1 with pristine C60-fullerene. <i>Chemical Communications</i> , 2012, 48, 5563.	4.1	80
59	Modeling of Supramolecular Properties of Molecular Tweezers, Clips, and Bowls. <i>Journal of Molecular Modeling</i> , 2000, 6, 318-327.	1.8	75
60	A short new azulene synthesis. <i>Journal of the American Chemical Society</i> , 1980, 102, 6311-6314.	13.7	71
61	Intermolecular carbon-hydrogen insertion of copper carbenoids. <i>Journal of the American Chemical Society</i> , 1974, 96, 322-323.	13.7	69
62	Synthesis, Properties, and Packing Structures of Corannulene-Based Systems Containing Heptagons. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1635-1639.	3.3	69
63	Microscopic origin of chiral shape induction in achiral crystals. <i>Nature Chemistry</i> , 2016, 8, 326-330.	13.6	68
64	A Quintuple [6]Helicene with a Corannulene Core as a C ₅ -Symmetric Propeller-Shaped System. <i>Angewandte Chemie</i> , 2018, 130, 1351-1355.	2.0	67
65	Double-Helix Supramolecular Nanofibers Assembled from Negatively Curved Nanographenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 5465-5469.	13.7	66
66	Das Corannulen-Tetraanion, eine neuartige Spezies mit konzentrischen anionischen Ringen. <i>Angewandte Chemie</i> , 1992, 104, 1691-1692.	2.0	64
67	Practical Synthesis of an Open Geodesic Polyarene with a Fullerene-type 6:6-Double Bond at the Center: Diindeno[1,2,3,4-defg;1,2,3,4-ijkl]chrysene. <i>Journal of the American Chemical Society</i> , 2003, 124, 8870-8875.	13.7	64
68	Synthesis and Structure of a Propeller-Shaped Polycyclic Aromatic Hydrocarbon Containing Seven-Membered Rings. <i>Organic Letters</i> , 2018, 20, 1932-1935.	4.6	64
69	Organic chemistry on the solid phase. Site-site interactions on functionalized polystyrene. <i>Journal of the American Chemical Society</i> , 1977, 99, 625-626.	13.7	63
70	Estimation of the electron affinities of C60, corannulene, and coronene by using the kinetic method. <i>Journal of the American Society for Mass Spectrometry</i> , 1996, 7, 619-627.	2.8	63
71	Reduction of Bowl-Shaped Hydrocarbons: Dianions and Tetraanions of Annelated Corannulenes. <i>Journal of Organic Chemistry</i> , 2006, 71, 290-298.	3.2	63
72	Synthesis and structural features of thiophene-fused analogues of warped nanographene and quintuple helicene. <i>Chemical Science</i> , 2019, 10, 2326-2330.	7.4	63

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73	Cyclines. 7. Homoconjugated cyclic poly(diacetylene)s. <i>Journal of the American Chemical Society</i> , 1990, 112, 4054-4055.	13.7	62
74	Corannuleneâ€“Helicene Hybrids: Chiral Î€-Systems Comprising Both Bowl and Helical Motifs. <i>Organic Letters</i> , 2016, 18, 3992-3995.	4.6	62
75	C20 Carbon Clusters: Fullereneâ€“Boatâ€“Sheet Generation, Mass Selection, Photoelectron Characterization. <i>Chemistry - A European Journal</i> , 2006, 12, 6268-6280.	3.3	61
76	Foregoing Rigidity to Achieve Greater Intimacy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8473-8476.	13.8	61
77	Dianions and Tetraanions of Bowl-Shaped Fullerene Fragments Dibenzo[a,g]corannulene and Dibenzo[a,g]cyclopenta[k]corannulene. <i>Chemistry - A European Journal</i> , 1998, 4, 234-239.	3.3	60
78	1,2-Shifts of Hydrogen Atoms in Aryl Radicals. <i>Journal of the American Chemical Society</i> , 1999, 121, 5444-5449.	13.7	60
79	Challenges in aromaticity: 150 years after KekulÃ©'s benzene. <i>Chemical Society Reviews</i> , 2015, 44, 6397-6400.	38.1	60
80	Enhancement of Through-Space and Through-Bond .pi.-Orbital Interactions. Syntheses and Properties of Permethylated and Perspirocyclopropanated Cyclotetradeca-1,3,6,9,12-pentayne. <i>Journal of the American Chemical Society</i> , 1994, 116, 10275-10283.	13.7	58
81	Gas-phase Dielsâ€“Alder cycloaddition of benzyne to an aromatic hydrocarbon bay region: Groundwork for the selective solvent-free growth of armchair carbon nanotubes. <i>Tetrahedron Letters</i> , 2011, 52, 2051-2053.	1.4	58
82	Decamethyl[5]pericyclyne. A novel homoconjugated cyclic polyacetylene. <i>Journal of the American Chemical Society</i> , 1983, 105, 7760-7761.	13.7	57
83	Unprecedented Complexation of Two Transition Metals to the Concave Surface of a Geodesic Polyarene:â€“% { [Rh2(O2CCF3)4]3(dibenzo[a,g]corannulene)2}. <i>Organometallics</i> , 2005, 24, 1394-1397.	2.3	57
84	Chemistry at the interior atoms of polycyclic aromatic hydrocarbons. <i>Chemical Society Reviews</i> , 2015, 44, 6464-6471.	38.1	57
85	Azulene thermal rearrangements. Carbon-13 labeling studies of automerization and isomerization to naphthalene. <i>Journal of the American Chemical Society</i> , 1981, 103, 5875-5879.	13.7	56
86	Ball-and-Socket Stacking of Supercharged Geodesic Polyarenes:Â Bonding by Interstitial Lithium Ions. <i>Journal of the American Chemical Society</i> , 2005, 127, 9581-9587.	13.7	56
87	An unusual ground-state di-.pi.-methane rearrangement in the thermal isomerization of homoazulene. <i>Journal of the American Chemical Society</i> , 1982, 104, 1147-1149.	13.7	55
88	Pyrolytic production of fullerenes. <i>Synthetic Metals</i> , 1996, 77, 17-22.	3.9	54
89	Steps toward the synthesis of a geodesic C60H12 end cap for a C3v carbon [6,6]nanotube. <i>Tetrahedron</i> , 2008, 64, 11360-11369.	1.9	54
90	Corannulene â€œHubâ€“Carbon Coordination by [Ru2{O2C(3,5-CF3)2C6H3}2(CO)5]. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7208-7210.	13.8	53

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91	Single and Double Ionization of Corannulene and Coronene. <i>Helvetica Chimica Acta</i> , 2001, 84, 1625-1634.	1.6	52
92	Free-electron attachment to coronene and corannulene in the gas phase. <i>Journal of Chemical Physics</i> , 2005, 123, 104308.	3.0	52
93	Electron Transfer in a Supramolecular Associate of a Fullerene Fragment. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2170-2175.	13.8	52
94	High temperature behavior of alternant and nonalternant polycyclic aromatic hydrocarbons. <i>Journal of Analytical and Applied Pyrolysis</i> , 2000, 54, 65-87.	5.5	51
95	Thermal Cyclodehydrogenations To Form 6-Membered Rings: Cyclizations of [5]Helicenes. <i>Organic Letters</i> , 2007, 9, 3937-3940.	4.6	51
96	Generation, rearrangement, and interconversion of hydrocarbons related to bullvalene. <i>Journal of the American Chemical Society</i> , 1970, 92, 3118-3126.	13.7	50
97	Novel heterocycles comprised of alternating phosphorous atoms and alkyne units. <i>Journal of the American Chemical Society</i> , 1990, 112, 7823-7825.	13.7	50
98	Squeezing C \equiv C Bonds. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7549-7553.	13.8	50
99	The quinones of azulene. A theoretical prognosis. <i>Journal of the American Chemical Society</i> , 1980, 102, 5169-5176.	13.7	49
100	Cyclynes. Part 5. Pericyclynes: "exploded cycloalkanes" with unusual orbital interactions and conformational properties. MM2 and STO-3G calculations, x-ray crystal structures, photoelectron spectra, and electron transmission spectra. <i>Journal of the American Chemical Society</i> , 1985, 107, 6556-6562.	13.7	49
101	Trisannulated Benzene Derivatives by Acid Catalyzed Aldol Cyclotrimerizations of Cyclic Ketones. Methodology Development and Mechanistic Insight. <i>Journal of Organic Chemistry</i> , 2007, 72, 3412-3418.	3.2	49
102	Identification of Some Novel Cyclopenta-Fused Polycyclic Aromatic Hydrocarbons in Ethylene Flames. <i>Polycyclic Aromatic Compounds</i> , 1998, 12, 223-237.	2.6	47
103	Carbon-13 Shift Tensors in Polycyclic Aromatic Compounds. 8.1A Low-Temperature NMR Study of Coronene and Corannulene. <i>Journal of Physical Chemistry A</i> , 2000, 104, 149-155.	2.5	47
104	HRMS Directly From TLC Slides. A Powerful Tool for Rapid Analysis of Organic Mixtures. <i>Organic Letters</i> , 2008, 10, 3493-3496.	4.6	47
105	Bicorannulenylium: Stereochemistry of a C ₄₀ H ₁₈ Biaryl Composed of Two Chiral Bowls. <i>Journal of Organic Chemistry</i> , 2008, 73, 6073-6078.	3.2	47
106	POLYCYCLIC AROMATIC HYDROCARBON BOWLS, BASKETS, BALLS, AND TUBES: CHALLENGING TARGETS FOR CHEMICAL SYNTHESIS. <i>Polycyclic Aromatic Compounds</i> , 2010, 30, 247-259.	2.6	45
107	Cyclynes. 9. Regioselective coupling of ethynylcyclopropane units: hexaspiro[2.0.2.4.2.0.2.4]triaconta-7,9,17,19,27,29-hexayne. <i>Journal of the American Chemical Society</i> , 1991, 113, 3935-3941.	13.7	44
108	A Four-Step Alternating Reductive Dimerization/Bond Cleavage of Indenocorannulene. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1712-1715.	13.8	44

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109	Thermal rearrangements of aromatic compounds. 10. Automerization of benzene. Journal of the American Chemical Society, 1987, 109, 5456-5461.	13.7	43
110	X-ray and Density Functional Theory Structural Study of 1,3,5,7,9-Penta-tert-butylcorannulene, C ₄₀ H ₅₀ . Journal of Organic Chemistry, 2006, 71, 6615-6618.	3.2	43
111	Diels-Alder cycloaddition of acetylene gas to a polycyclic aromatic hydrocarbon bay region. Chemical Communications, 2012, 48, 8102.	4.1	43
112	5-Azadibenzo[a,g]corannulene. Organic Chemistry Frontiers, 2017, 4, 688-698.	4.5	43
113	Rational synthesis of an atomically precise carboncone under mild conditions. Science Advances, 2019, 5, eaaw0982.	10.3	43
114	Azulenes: a synthesis based on intramolecular carbene addition. Journal of the Chemical Society Chemical Communications, 1973, , 882.	2.0	42
115	Corannulene: A Preference for exo-Metal Binding. X-ray Structural Characterization of [Ru ₂ (O ₂ CCF ₃) ₂ (CO) ₄ ·(1,2-C ₂₀ H ₁₀) ₂]. Organometallics, 2006, 25, 5492-5495.	2.3	42
116	The Synthesis of Bicyclo[4.2.2]deca-2,4,7,9-tetraene. New Sources of cis- and trans-9,10-Dihydronaphthalene and Bullvalene. Journal of the American Chemical Society, 1967, 89, 150-151.	13.7	41
117	Addition of dihalocarbenes to corannulene. A fullerene-type reaction. Tetrahedron Letters, 2000, 41, 9633-9637.	1.4	41
118	An Oxidation Induced by Potassium Metal. Studies on the Anionic Cyclodehydrogenation of 1,1'-Binaphthyl to Perylene. Journal of Organic Chemistry, 2010, 75, 7358-7364.	3.2	41
119	Quinones of azulene. 4. Synthesis and characterization of the parent 1,5- and 1,7-quinones. Journal of the American Chemical Society, 1984, 106, 4857-4861.	13.7	40
120	Highly charged supramolecular oligomers based on the dimerization of corannulene tetraanion. Chemical Communications, 2010, 46, 9010.	4.1	40
121	Automerization of naphthalene. Journal of the American Chemical Society, 1977, 99, 4506-4507.	13.7	39
122	Thermal migration of an ethynyl group from one benzene ring to another by reversible vinylidene C≡C-H insertion. Tetrahedron Letters, 1997, 38, 1877-1880.	1.4	39
123	Benzo[a]acecorannulene: Surprising Formation of a New Bowl-Shaped Aromatic Hydrocarbon from an Attempted Synthesis of 1,2-Diazadibenzo[d,m]corannulene. Organic Letters, 2006, 8, 5195-5198.	4.6	39
124	Search for corannulene (C ₂₀ H ₁₀) in the Red Rectangle. Monthly Notices of the Royal Astronomical Society, 2009, 397, 1053-1060.	4.4	39
125	Molecular curvature tradeoffs: Bending a planar trimercury unit over bowl-shaped polyaromatic hydrocarbons. Journal of Organometallic Chemistry, 2011, 696, 2877-2881.	1.8	39
126	A Convenient Synthesis of Benzo[c]naphtho[2,1-p]chrysene. Journal of Organic Chemistry, 1996, 61, 7198-7199.	3.2	38

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127	Expanding the Suzuki-Heck-Type Coupling Cascade: A New Indeno[1,2,3]-Annulation of Polycyclic Aromatic Hydrocarbons. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1009-1013.	4.3	38
128	Negatively Curved Warped Nanographene Self-Assembled on Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2019, 141, 13158-13164.	13.7	38
129	Fullerometallic Ion Chemistry: Reactions of C ₆₀ Fe ⁺ and C ₂₀ H ₁₀ Fe ⁺ in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2001, 123, 8573-8582.	13.7	37
130	Homoazulene. <i>Journal of the American Chemical Society</i> , 1981, 103, 5216-5220.	13.7	36
131	Fullerene-like Chemistry at the Interior Carbon Atoms of an Alkene-Centered C ₂₆ H ₁₂ Geodesic Polyarene 1. <i>Journal of Organic Chemistry</i> , 2008, 73, 88-93.	3.2	36
132	Increasing the Curvature of a Bowl-Shaped Polyarene by Fullerene-like π -Complexation of a Transition Metal at the Interior of the Convex Surface. <i>Organometallics</i> , 2010, 29, 1231-1237.	2.3	36
133	The Identification of New Ethynyl-Substituted and Cyclopenta-Fused Polycyclic Aromatic Hydrocarbons in the Products of Anthracene Pyrolysis. <i>Polycyclic Aromatic Compounds</i> , 1999, 13, 221-240.	2.6	35
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