

David A Leigh

List of Publications by Year in descending order

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319
papers

34,526
citations

2538

96
h-index

4203

174
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369
all docs

369
docs citations

369
times ranked

14632
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time observation of the dynamics of an individual rotaxane molecular shuttle using a single-molecule junction. <i>Chem</i> , 2022, 8, 243-252.	5.8	29
2	Molecular weaving. <i>Nature Materials</i> , 2022, 21, 275-283.	13.3	35
3	Insights from an information thermodynamics analysis of a synthetic molecular motor. <i>Nature Chemistry</i> , 2022, 14, 530-537.	6.6	54
4	Vernier template synthesis of molecular knots. <i>Science</i> , 2022, 375, 1035-1041.	6.0	31
5	Pumping between phases with a pulsed-fuel molecular ratchet. <i>Nature Nanotechnology</i> , 2022, 17, 701-707.	15.6	41
6	Autonomous fuelled directional rotation about a covalent single bond. <i>Nature</i> , 2022, 604, 80-85.	13.7	63
7	Decorating polymer beads with 1014 inorganic-organic [2]rotaxanes as shown by spin counting. <i>Communications Chemistry</i> , 2022, 5, .	2.0	3
8	Chemical fuels for molecular machinery. <i>Nature Chemistry</i> , 2022, 14, 728-738.	6.6	53
9	A molecular endless (74) knot. <i>Nature Chemistry</i> , 2021, 13, 117-122.	6.6	85
10	Effects of turn-structure on folding and entanglement in artificial molecular overhand knots. <i>Chemical Science</i> , 2021, 12, 1826-1833.	3.7	12
11	Site-to-site peptide transport on a molecular platform using a small-molecule robotic arm. <i>Chemical Science</i> , 2021, 12, 2065-2070.	3.7	9
12	Real-Time Fluctuations in Single-Molecule Rotaxane Experiments Reveal an Intermediate Weak Binding State during Shuttling. <i>Journal of the American Chemical Society</i> , 2021, 143, 2348-2352.	6.6	17
13	A Doubly Kinetically-Gated Information Ratchet Autonomously Driven by Carbodiimide Hydration. <i>Journal of the American Chemical Society</i> , 2021, 143, 4414-4420.	6.6	55
14	Sequence-Selective Decapeptide Synthesis by the Parallel Operation of Two Artificial Molecular Machines. <i>Journal of the American Chemical Society</i> , 2021, 143, 5158-5165.	6.6	30
15	A catalysis-driven artificial molecular pump. <i>Nature</i> , 2021, 594, 529-534.	13.7	126
16	A Chiral Cyclometalated Iridium Star of David [2]Catenane. <i>Journal of the American Chemical Society</i> , 2021, 143, 1154-1161.	6.6	28
17	Chemical engines: driving systems away from equilibrium through catalyst reaction cycles. <i>Nature Nanotechnology</i> , 2021, 16, 1057-1067.	15.6	70
18	Transmembrane Ion Channels Formed by a Star of David [2]Catenane and a Molecular Pentafoil Knot. <i>Journal of the American Chemical Society</i> , 2020, 142, 18859-18865.	6.6	38

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19	A Track-Based Molecular Synthesizer that Builds a Single-Sequence Oligomer through Iterative Carbon-Carbon Bond Formation. <i>CheM</i> , 2020, 6, 2964-2973.	5.8	25
20	Knotting a molecular strand can invert macroscopic effects of chirality. <i>Nature Chemistry</i> , 2020, 12, 939-944.	6.6	38
21	Tying different knots in a molecular strand. <i>Nature</i> , 2020, 584, 562-568.	13.7	74
22	Self-assembly of a layered two-dimensional molecularly woven fabric. <i>Nature</i> , 2020, 588, 429-435.	13.7	74
23	Weak functional group interactions revealed through metal-free active template rotaxane synthesis. <i>Nature Communications</i> , 2020, 11, 744.	5.8	41
24	Single-Step Enantioselective Synthesis of Mechanically Planar Chiral [2]Rotaxanes Using a Chiral Leaving Group Strategy. <i>Journal of the American Chemical Society</i> , 2020, 142, 9803-9808.	6.6	58
25	Self-Sorting Assembly of Molecular Trefoil Knots of Single Handedness. <i>Journal of the American Chemical Society</i> , 2019, 141, 14249-14256.	6.6	60
26	Titelbild: Dissipative Catalysis with a Molecular Machine (<i>Angew. Chem.</i> 29/2019). <i>Angewandte Chemie</i> , 2019, 131, 9751-9751.	1.6	2
27	Dynamic Control of Chiral Space Through Local Symmetry Breaking in a Rotaxane Organocatalyst. <i>Angewandte Chemie</i> , 2019, 131, 15097-15100.	1.6	17
28	Dynamic Control of Chiral Space Through Local Symmetry Breaking in a Rotaxane Organocatalyst. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14955-14958.	7.2	72
29	Probing the Dynamics of the Imine-Based Pentafoil Knot and Pentameric Circular Helicate Assembly. <i>Journal of the American Chemical Society</i> , 2019, 141, 3605-3612.	6.6	28
30	Effects of knot tightness at the molecular level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2452-2457.	3.3	37
31	Active template rotaxane synthesis through the Ni-catalyzed cross-coupling of alkylzinc reagents with redox-active esters. <i>Chemical Science</i> , 2019, 10, 7269-7273.	3.7	11
32	Dissipative Catalysis with a Molecular Machine. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9876-9880.	7.2	116
33	Dissipative Catalysis with a Molecular Machine. <i>Angewandte Chemie</i> , 2019, 131, 9981-9985.	1.6	37
34	Stereoselective Synthesis of Molecular Square and Granny Knots. <i>Journal of the American Chemical Society</i> , 2019, 141, 6054-6059.	6.6	40
35	Coordination Chemistry of a Molecular Pentafoil Knot. <i>Journal of the American Chemical Society</i> , 2019, 141, 3952-3958.	6.6	43
36	Molecular machines with bio-inspired mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9397-9404.	3.3	150

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37	Spontaneous Assembly of Rotaxanes from a Primary Amine, Crown Ether and Electrophile. Journal of the American Chemical Society, 2018, 140, 6049-6052.	6.6	59
38	Securing a Supramolecular Architecture by Tying a Stopper Knot. Angewandte Chemie - International Edition, 2018, 57, 10484-10488.	7.2	41
39	An artificial molecular machine that builds an asymmetric catalyst. Nature Nanotechnology, 2018, 13, 381-385.	15.6	108
40	Molecular Trefoil Knot from a Trimeric Circular Helicate. Journal of the American Chemical Society, 2018, 140, 4982-4985.	6.6	51
41	Frontispiece: Securing a Supramolecular Architecture by Tying a Stopper Knot. Angewandte Chemie - International Edition, 2018, 57, .	7.2	0
42	Frontispiz: Securing a Supramolecular Architecture by Tying a Stopper Knot. Angewandte Chemie, 2018, 130, .	1.6	0
43	Analysis of two [2]catenanes based on electron densities from invariom refinement and results from DFT calculations. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 677-687.	0.3	3
44	Comment on "Coordination-Driven Self-Assembly of a Molecular Knot Comprising Sixteen Crossings". Angewandte Chemie, 2018, 130, 12390-12392.	1.6	1
45	Stereoselective synthesis of a composite knot with nine crossings. Nature Chemistry, 2018, 10, 1083-1088.	6.6	114
46	A Six-Crossing Doubly Interlocked [2]Catenane with Twisted Rings, and a Molecular Granny Knot. Angewandte Chemie, 2018, 130, 14029-14033.	1.6	15
47	Comment on "Coordination-Driven Self-Assembly of a Molecular Knot Comprising Sixteen Crossings". Angewandte Chemie - International Edition, 2018, 57, 12212-12214.	7.2	15
48	A Six-Crossing Doubly Interlocked [2]Catenane with Twisted Rings, and a Molecular Granny Knot. Angewandte Chemie - International Edition, 2018, 57, 13833-13837.	7.2	35
49	Securing a Supramolecular Architecture by Tying a Stopper Knot. Angewandte Chemie, 2018, 130, 10644-10648.	1.6	12
50	Braiding a molecular knot with eight crossings. Science, 2017, 355, 159-162.	6.0	209
51	Artificial molecular motors. Chemical Society Reviews, 2017, 46, 2592-2621.	18.7	698
52	Molecular Knots. Angewandte Chemie - International Edition, 2017, 56, 11166-11194.	7.2	244
53	Pyridyl-Acyl Hydrazone Rotaxanes and Molecular Shuttles. Journal of the American Chemical Society, 2017, 139, 7104-7109.	6.6	64
54	[2]Rotaxane Formation by Transition State Stabilization. Journal of the American Chemical Society, 2017, 139, 8455-8457.	6.6	49

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55	Switching between Anion-Binding Catalysis and Aminocatalysis with a Rotaxane Dual-Function Catalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 9376-9381.	6.6	100
56	Rotary and linear molecular motors driven by pulses of a chemical fuel. <i>Science</i> , 2017, 358, 340-343.	6.0	308
57	A complementary pair of enantioselective switchable organocatalysts. <i>Chemical Science</i> , 2017, 8, 7077-7081.	3.7	41
58	Stereodivergent synthesis with a programmable molecular machine. <i>Nature</i> , 2017, 549, 374-378.	13.7	147
59	Sequence-Specific β^2 -Peptide Synthesis by a Rotaxane-Based Molecular Machine. <i>Journal of the American Chemical Society</i> , 2017, 139, 10875-10879.	6.6	61
60	Enzyme-Mediated Directional Transport of a Small-Molecule Walker With Chemically Identical Feet. <i>Journal of the American Chemical Society</i> , 2017, 139, 11998-12002.	6.6	18
61	Molekulare Knoten. <i>Angewandte Chemie</i> , 2017, 129, 11318-11347.	1.6	62
62	Transient two-dimensional vibrational spectroscopy of an operating molecular machine. <i>Nature Communications</i> , 2017, 8, 2206.	5.8	13
63	Tying a Molecular Overhand Knot of Single Handedness and Asymmetric Catalysis with the Corresponding Pseudo- D_3 -Symmetric Trefoil Knot. <i>Journal of the American Chemical Society</i> , 2016, 138, 13159-13162.	6.6	75
64	Triply Threaded [4]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2016, 138, 12643-12647.	6.6	42
65	Genesis of the Nanomachines: The 2016 Nobel Prize in Chemistry. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14506-14508.	7.2	150
66	Die Genese der Nanomaschinen: der Chemie-Nobelpreis 2016. <i>Angewandte Chemie</i> , 2016, 128, 14722-14724.	1.6	32
67	Successive Translocation of the Rings in a [3]Rotaxane. <i>ChemPhysChem</i> , 2016, 17, 1902-1912.	1.0	11
68	An autonomous chemically fuelled small-molecule motor. <i>Nature</i> , 2016, 534, 235-240.	13.7	370
69	Allosteric initiation and regulation of catalysis with a molecular knot. <i>Science</i> , 2016, 352, 1555-1559.	6.0	204
70	Asymmetric Catalysis with a Mechanically Point-Chiral Rotaxane. <i>Journal of the American Chemical Society</i> , 2016, 138, 1749-1751.	6.6	132
71	Pick-up, transport and release of a molecular cargo using a small-molecule robotic arm. <i>Nature Chemistry</i> , 2016, 8, 138-143.	6.6	154
72	InnenrÄ¼cktitelbild: A Solomon Link through an Interwoven Molecular Grid (<i>Angew. Chem.</i> 26/2015). <i>Angewandte Chemie</i> , 2015, 127, 7829-7829.	1.6	0

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73	Rise of the Molecular Machines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10080-10088.	7.2	312
74	A Solomon Link through an Interwoven Molecular Grid. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7555-7559.	7.2	89
75	Goldberg Active Template Synthesis of a [2]Rotaxane Ligand for Asymmetric Transition-Metal Catalysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 7656-7659.	6.6	110
76	A mechanically interlocked molecular system programmed for the delivery of an anticancer drug. <i>Chemical Science</i> , 2015, 6, 2608-2613.	3.7	124
77	Lanthanide Template Synthesis of Trefoil Knots of Single Handedness. <i>Journal of the American Chemical Society</i> , 2015, 137, 10437-10442.	6.6	81
78	Strong and Selective Anion Binding within the Central Cavity of Molecular Knots and Links. <i>Journal of the American Chemical Society</i> , 2015, 137, 9812-9815.	6.6	82
79	Artificial switchable catalysts. <i>Chemical Society Reviews</i> , 2015, 44, 5341-5370.	18.7	571
80	Catenanes: Fifty Years of Molecular Links. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6110-6150.	7.2	471
81	Artificial Molecular Machines. <i>Chemical Reviews</i> , 2015, 115, 10081-10206.	23.0	1,586
82	Selecting reactions and reactants using a switchable rotaxane organocatalyst with two different active sites. <i>Chemical Science</i> , 2015, 6, 140-143.	3.7	129
83	A Rotaxane-Like Supramolecular Assembly Featuring Orthogonal Recognition Modes. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 204-207.	1.3	0
84	A Simple and Highly Effective Ligand System for the Copper(I)-Mediated Assembly of Rotaxanes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13771-13774.	7.2	28
85	Synthetic Molecular Walkers. <i>Topics in Current Chemistry</i> , 2014, 354, 111-138.	4.0	36
86	Rotaxane Catalysts. <i>ACS Catalysis</i> , 2014, 4, 4490-4497.	5.5	164
87	Probing the mobility of catenane rings in single molecules. <i>Chemical Science</i> , 2014, 5, 1449.	3.7	50
88	Toward Metal Complexes That Can Directionally Walk Along Tracks: Controlled Stepping of a Molecular Biped with a Palladium(II) Foot. <i>Journal of the American Chemical Society</i> , 2014, 136, 2094-2100.	6.6	47
89	Exploring the Activation Modes of a Rotaxane-Based Switchable Organocatalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 15775-15780.	6.6	105
90	A Star of David catenane. <i>Nature Chemistry</i> , 2014, 6, 978-982.	6.6	233

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91	Lanthanide Template Synthesis of a Molecular Trefoil Knot. <i>Journal of the American Chemical Society</i> , 2014, 136, 13142-13145.	6.6	72
92	The Self-Sorting Behavior of Circular Helicates and Molecular Knots and Links. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7823-7827.	7.2	90
93	A Switchable [2]Rotaxane Asymmetric Organocatalyst That Utilizes an Acyclic Chiral Secondary Amine. <i>Journal of the American Chemical Society</i> , 2014, 136, 4905-4908.	6.6	194
94	Efficient Assembly of Threaded Molecular Machines for Sequence-Specific Synthesis. <i>Journal of the American Chemical Society</i> , 2014, 136, 5811-5814.	6.6	130
95	Water lubricates hydrogen-bonded molecular machines. <i>Nature Chemistry</i> , 2013, 5, 929-934.	6.6	100
96	Sequence-Specific Peptide Synthesis by an Artificial Small-Molecule Machine. <i>Science</i> , 2013, 339, 189-193.	6.0	659
97	Induction of Motion in a Synthetic Molecular Machine: Effect of Tuning the Driving Force. <i>Chemistry - A European Journal</i> , 2013, 19, 5566-5577.	1.7	25
98	Tetrameric Cyclic Double Helicates as a Scaffold for a Molecular Solomon Link. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6464-6467.	7.2	87
99	One-Dimensional Random Walk of a Synthetic Small Molecule Toward a Thermodynamic Sink. <i>Journal of the American Chemical Society</i> , 2013, 135, 8639-8645.	6.6	44
100	AAAA-DDDD Quadruple Hydrogen-Bond Arrays Featuring NH \cdots N and CH \cdots N Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 9939-9943.	6.6	60
101	Template synthesis of molecular knots. <i>Chemical Society Reviews</i> , 2013, 42, 1700-1712.	18.7	280
102	Tetrameric Cyclic Double Helicates as a Scaffold for a Molecular Solomon Link. <i>Angewandte Chemie</i> , 2013, 125, 6592-6595.	1.6	33
103	A scalable synthesis of 5,5-dibromo-2,2'-bipyridine and its stepwise functionalization via Stille couplings. <i>Nature Protocols</i> , 2012, 7, 2022-2028.	5.5	10
104	Time-resolved vibrational spectroscopy of a molecular shuttle. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1865-1875.	1.3	31
105	Second generation specific-enzyme-activated rotaxane propeptides. <i>Chemical Communications</i> , 2012, 48, 2083.	2.2	50
106	A synthetic molecular pentafoil knot. <i>Nature Chemistry</i> , 2012, 4, 15-20.	6.6	379
107	A Three-Compartment Chemically-Driven Molecular Information Ratchet. <i>Journal of the American Chemical Society</i> , 2012, 134, 8321-8323.	6.6	115
108	Half-rotation in a kinetically locked [2]catenane induced by transition metal ion substitution. <i>Chemical Communications</i> , 2012, 48, 5826.	2.2	36

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109	A Small Molecule that Walks Non-Directionally Along a Track Without External Intervention. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5480-5483.	7.2	43
110	Pentameric Circular Iron(II) Double Helicates and a Molecular Pentafoil Knot. <i>Journal of the American Chemical Society</i> , 2012, 134, 9488-9497.	6.6	123
111	A Rotaxane-Based Switchable Organocatalyst. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5166-5169.	7.2	232
112	Inside Back Cover: A Small Molecule that Walks Non-Directionally Along a Track Without External Intervention (<i>Angew. Chem. Int. Ed.</i> 22/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5505-5505.	7.2	0
113	Sulfur-containing amide-based [2]rotaxanes and molecular shuttles. <i>Chemical Science</i> , 2011, 2, 1922.	3.7	43
114	IR Spectroscopy on Jet-Cooled Isolated Two-Station Rotaxanes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9669-9675.	1.1	32
115	En Route to a Molecular Sheaf: Active Metal Template Synthesis of a [3]Rotaxane with Two Axles Threaded through One Ring. <i>Journal of the American Chemical Society</i> , 2011, 133, 12298-12303.	6.6	73
116	Phosphorus-Based Functional Groups as Hydrogen Bonding Templates for Rotaxane Formation. <i>Journal of the American Chemical Society</i> , 2011, 133, 12304-12310.	6.6	73
117	An AAAA-“DDDD quadruple hydrogen-bond array. <i>Nature Chemistry</i> , 2011, 3, 244-248.	6.6	155
118	A single synthetic small molecule that generates force against a load. <i>Nature Nanotechnology</i> , 2011, 6, 553-557.	15.6	103
119	Walking molecules. <i>Chemical Society Reviews</i> , 2011, 40, 3656.	18.7	237
120	Light-Driven Transport of a Molecular Walker in Either Direction along a Molecular Track. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 285-290.	7.2	152
121	Cover Picture: Light-Driven Transport of a Molecular Walker in Either Direction along a Molecular Track (<i>Angew. Chem. Int. Ed.</i> 1/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1-1.	7.2	404
122	Strategies and Tactics for the Metal-Directed Synthesis of Rotaxanes, Knots, Catenanes, and Higher Order Links. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9260-9327.	7.2	614
123	Active-Metal Template Synthesis of a Molecular Trefoil Knot. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12280-12284.	7.2	137
124	Back Cover: Active-Metal Template Synthesis of a Molecular Trefoil Knot (<i>Angew. Chem. Int. Ed.</i> 51/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12366-12366.	7.2	0
125	Bimodal dynamics of mechanically constrained hydrogen bonds revealed by vibrational photon echoes. <i>Journal of Chemical Physics</i> , 2011, 134, 134504.	1.2	8
126	Controlled Hydrogen-Bond Breaking in a Rotaxane by Discrete Solvation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3896-3900.	7.2	32

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127	A synthetic small molecule that can walk down a track. <i>Nature Chemistry</i> , 2010, 2, 96-101.	6.6	308
128	Linking rings without templates. <i>Nature Chemistry</i> , 2010, 2, 708-710.	6.6	22
129	Operation Mechanism of a Molecular Machine Revealed Using Time-Resolved Vibrational Spectroscopy. <i>Science</i> , 2010, 328, 1255-1258.	6.0	95
130	An Unusual Nickel-Copper-Mediated Alkyne Homocoupling Reaction for the Active-Template Synthesis of [2]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2010, 132, 6243-6248.	6.6	121
131	Two Axles Threaded Using a Single Template Site: Active Metal Template Macrobicyclic [3]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2010, 132, 315-320.	6.6	80
132	Nitrone [2]Rotaxanes: Simultaneous Chemical Protection and Electrochemical Activation of a Functional Group. <i>Journal of the American Chemical Society</i> , 2010, 132, 9465-9470.	6.6	66
133	Diels-Alder Active-Template Synthesis of Rotaxanes and Metal-Ion-Switchable Molecular Shuttles. <i>Journal of the American Chemical Society</i> , 2010, 132, 5309-5314.	6.6	65
134	Sequence Isomerism in [3]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2010, 132, 4954-4959.	6.6	86
135	Design, Synthesis, and Operation of Small Molecules That Walk along Tracks. <i>Journal of the American Chemical Society</i> , 2010, 132, 16134-16145.	6.6	69
136	The application of CuAAC "click" chemistry to catenane and rotaxane synthesis. <i>Chemical Society Reviews</i> , 2010, 39, 1240-1251.	18.7	400
137	Synthesis and solid state structure of a hydrazone-disulfide macrocycle and its dynamic covalent ring-opening under acidic and basic conditions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4617.	1.5	14
138	Synthesis, Structure, and Dynamic Properties of Hybrid Organic-Inorganic Rotaxanes. <i>Journal of the American Chemical Society</i> , 2010, 132, 15435-15444.	6.6	56
139	Improved dynamics and positional bias with a second generation palladium(ii)-complexed molecular shuttle. <i>Chemical Communications</i> , 2010, 46, 2382.	2.2	22
140	Ligand-assisted nickel-catalysed sp ³ -sp ³ homocoupling of unactivated alkyl bromides and its application to the active template synthesis of rotaxanes. <i>Chemical Science</i> , 2010, 1, 383.	3.7	104
141	In trap fragmentation and optical characterization of rotaxanes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12556.	1.3	2
142	Conformational Flexibility of a Rotaxane Thread Probed by Electronic Spectroscopy in Helium Nanodroplets. <i>Journal of the American Chemical Society</i> , 2009, 131, 12902-12903.	6.6	11
143	Photoinduced Shuttling Dynamics of Rotaxanes in Viscous Polymer Solutions. <i>Advanced Functional Materials</i> , 2009, 19, 3440-3449.	7.8	22
144	Rotaxane-Based Propeptides: Protection and Enzymatic Release of a Bioactive Pentapeptide. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6443-6447.	7.2	129

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145	Hybrid organic-inorganic rotaxanes and molecular shuttles. <i>Nature</i> , 2009, 458, 314-318.	13.7	256
146	Getting Harder: Cobalt(III)-Template Synthesis of Catenanes and Rotaxanes. <i>Journal of the American Chemical Society</i> , 2009, 131, 3762-3771.	6.6	96
147	Multistate Photo-Induced Relaxation and Photoisomerization Ability of Fumaramide Threads: A Computational and Experimental Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 104-117.	6.6	27
148	Stiff, and Sticky in the Right Places: Binding Interactions in Isolated Mechanically Interlocked Molecules Probed by Mid-Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 2428-2429.	6.6	33
149	Two-Dimensional Vibrational Spectroscopy of Rotaxane-Based Molecular Machines. <i>Accounts of Chemical Research</i> , 2009, 42, 1462-1469.	7.6	39
150	AAA- π -DDD Triple Hydrogen Bond Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 14116-14122.	6.6	94
151	Active metal template synthesis of rotaxanes, catenanes and molecular shuttles. <i>Chemical Society Reviews</i> , 2009, 38, 1530.	18.7	573
152	Active Metal Template Synthesis of [2]Catenanes. <i>Journal of the American Chemical Society</i> , 2009, 131, 15924-15929.	6.6	127
153	Shaping of a Conformationally Flexible Molecular Structure for Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3174-3179.	7.2	29
154	Active Template Synthesis of Rotaxanes and Molecular Shuttles with Switchable Dynamics by Four-Component Pd ^{II} -Promoted Michael Additions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3381-3384.	7.2	64
155	Cadiot-Chodkiewicz Active Template Synthesis of Rotaxanes and Switchable Molecular Shuttles with Weak Intercomponent Interactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4392-4396.	7.2	101
156	Gold(I)-Template Catenane and Rotaxane Synthesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6999-7003.	7.2	83
157	An Ion-Pair Template for Rotaxane Formation and its Exploitation in an Orthogonal Interaction Anion-Switchable Molecular Shuttle. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8036-8039.	7.2	108
158	An ammonium/bis-ammonium switchable molecular shuttle. <i>Tetrahedron</i> , 2008, 64, 8411-8416.	1.0	28
159	Core level photoemission of rotaxanes: A summary on binding energies. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2008, 165, 42-45.	0.8	6
160	Tuning magnetic properties using targeted structural distortion: New additions to a family of Mn ⁶ single-molecule magnets. <i>Inorganica Chimica Acta</i> , 2008, 361, 3420-3426.	1.2	40
161	Three State Redox-Active Molecular Shuttle That Switches in Solution and on a Surface. <i>Journal of the American Chemical Society</i> , 2008, 130, 2593-2601.	6.6	158
162	A Chemically-Driven Molecular Information Ratchet. <i>Journal of the American Chemical Society</i> , 2008, 130, 1836-1838.	6.6	187

#	ARTICLE	IF	CITATIONS
163	Beyond switches: Rotaxane- and catenane-based synthetic molecular motors. <i>Pure and Applied Chemistry</i> , 2008, 80, 17-29.	0.9	62
164	Amide-based molecular shuttles (2001-2006). <i>Pure and Applied Chemistry</i> , 2007, 79, 39-54.	0.9	60
165	Chapter 1. <i>Chemically Driven Artificial Molecular Machines.</i> , 2007, , 1-47.		4
166	The class of molecules with mobile parts: Catenanes and rotaxanes for nonlinear optical applications. , 2007, , .		1
167	Catalytic "Active-Metal" Template Synthesis of [2]Rotaxanes, [3]Rotaxanes, and Molecular Shuttles, and Some Observations on the Mechanism of the Cu(I)-Catalyzed Azide-Alkyne 1,3-Cycloaddition. <i>Journal of the American Chemical Society</i> , 2007, 129, 11950-11963.	6.6	248
168	Extremely Strong and Readily Accessible AAA~DDD Triple Hydrogen Bond Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 476-477.	6.6	103
169	Coumaric amide rotaxanes: effects of hydrogen bonding and mechanical interlocking on the photochemistry and photophysics. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 480.	1.6	10
170	A metal-complex-tolerant CuAAC "click"™ protocol exemplified through the preparation of homo- and mixed-metal-coordinated [2]rotaxanes. <i>Chemical Communications</i> , 2007, , 4218.	2.2	47
171	A rotaxane mimic of the photoactive yellow protein chromophore environment: effects of hydrogen bonding and mechanical interlocking on a coumaric amide derivative. <i>Chemical Communications</i> , 2007, , 1910.	2.2	17
172	[2]Rotaxanes through Palladium Active-Template Oxidative Heck Cross-Couplings. <i>Journal of the American Chemical Society</i> , 2007, 129, 12092-12093.	6.6	104
173	A Switchable Palladium-Complexed Molecular Shuttle and Its Metastable Positional Isomers. <i>Journal of the American Chemical Society</i> , 2007, 129, 15085-15090.	6.6	95
174	Heterovibrational Interactions, Cooperative Hydrogen Bonding, and Vibrational Energy Relaxation Pathways in a Rotaxane. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6798-6804.	1.5	15
175	Synthetic Molecular Motors and Mechanical Machines. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 72-191.	7.2	2,428
176	One Template, Multiple Rings: Controlled Iterative Addition of Macrocycles onto a Single Binding Site Rotaxane Thread. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5015-5019.	7.2	78
177	A Catalytic Palladium Active-Metal Template Pathway to [2]Rotaxanes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5709-5713.	7.2	100
178	The effect of solvent upon molecularly thin rotaxane film formation. <i>Applied Surface Science</i> , 2007, 253, 6090-6095.	3.1	7
179	A molecular information ratchet. <i>Nature</i> , 2007, 445, 523-527.	13.7	602
180	Self-assembly of trimetallic nitride template fullerenes on surfaces studied by STM. <i>Surface Science</i> , 2007, 601, 2750-2755.	0.8	21

#	ARTICLE	IF	CITATIONS
181	Structural Dynamics of Rotaxanes Studied by Infrared Photon Echo Spectroscopy. Springer Series in Chemical Physics, 2007, , 430-432.	0.2	0
182	Catalytic "Click" Rotaxanes: A Substoichiometric Metal-Template Pathway to Mechanically Interlocked Architectures. Journal of the American Chemical Society, 2006, 128, 2186-2187.	6.6	350
183	Surface Enhanced Second Harmonic Generation from Macrocyclic, Catenane, and Rotaxane Thin Films: Experiments and Theory. Journal of Physical Chemistry B, 2006, 110, 7648-7652.	1.2	9
184	Adsorption of Fumaramide [2]Rotaxane and Its Components on a Solid Substrate: A Coverage-Dependent Study. Journal of Physical Chemistry B, 2006, 110, 17076-17081.	1.2	17
185	Rotaxanes of Cyclic Peptides. Journal of the American Chemical Society, 2006, 128, 1784-1785.	6.6	38
186	Switchable Dual Binding Mode Molecular Shuttle. Organic Letters, 2006, 8, 5377-5379.	2.4	79
187	Self-organization of Rotaxane Thin Films into Spatially Correlated Nanostructures: Morphological and Structural Aspects. Journal of the American Chemical Society, 2006, 128, 526-532.	6.6	22
188	Beyond Switches: Ratcheting a Particle Energetically Uphill with a Compartmentalized Molecular Machine. Journal of the American Chemical Society, 2006, 128, 4058-4073.	6.6	252
189	Linear and nonlinear optical properties of a rotaxane molecule. , 2006, , .		2
190	Lighting up nanomachines. Nature, 2006, 440, 286-287.	13.7	68
191	Chemoselective Formation of Successive Triazole Linkages in One Pot: "Click" Chemistry. Organic Letters, 2006, 8, 4505-4507.	2.4	212
192	Complexation-Induced Translational Isomerism: Shuttling through Stepwise Competitive Binding. Angewandte Chemie - International Edition, 2006, 45, 77-83.	7.2	100
193	An Allosterically Regulated Molecular Shuttle. Angewandte Chemie - International Edition, 2006, 45, 1385-1390.	7.2	69
194	Rotaxane Functionalized Acid-Terminated Self-Assembled Siloxane Monolayers on Non-Conducting Surfaces - XPS, AFM and TRF. , 2006, , .		0
195	Self-organization of nano-lines and dots triggered by a local mechanical stimulus. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17650-17654.	3.3	26
196	Structure and Dynamics of Rotaxanes Studied by Femtosecond Infrared Spectroscopy. , 2006, , .		0
197	IRAS investigation of a catenane adsorption on Au(111). Surface Science, 2005, 580, 57-62.	0.8	6
198	Macroscopic transport by synthetic molecular machines. Nature Materials, 2005, 4, 704-710.	13.3	685

#	ARTICLE	IF	CITATIONS
199	Rare and Diverse Binding Modes Introduced through Mechanical Bonding. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4557-4564.	7.2	71
200	Patterning through Controlled Submolecular Motion: Rotaxane-Based Switches and Logic Gates that Function in Solution and Polymer Films. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3062-3067.	7.2	210
201	Experimental and theoretical study of the adsorption of fumaramide [2]rotaxane on Au(111) and Ag(111) surfaces. <i>Journal of Chemical Physics</i> , 2005, 123, 244708.	1.2	21
202	From The Cover: Probing the structure of a rotaxane with two-dimensional infrared spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13378-13382.	3.3	49
203	Selecting Topology and Connectivity through Metal-Directed Macrocyclization Reactions: A Square Planar Palladium [2]Catenate and Two Noninterlocked Isomers. <i>Journal of the American Chemical Society</i> , 2005, 127, 12612-12619.	6.6	129
204	Half-rotation in a [2]catenane via interconvertible Pd(ii) coordination modes. <i>Chemical Communications</i> , 2005, , 4919.	2.2	46
205	Synthetic Molecular Machines. , 2005, , 333-406.		18
206	Conservative and dissipative force imaging of switchable rotaxanes with frequency-modulation atomic force microscopy. <i>Physical Review B</i> , 2005, 72, .	1.1	26
207	Surface enhanced SHG from macrocycle, catenane and rotaxane thin films: experiments and theory. , 2005, 5724, 139.		1
208	Ultrafast vibrational dynamics of rotaxanes. <i>Springer Series in Chemical Physics</i> , 2005, , 548-550.	0.2	1
209	A Simple General Ligand System for Assembling Octahedral Metal-Rotaxane Complexes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1218-21.	7.2	45
210	Shuttling through Anion Recognition. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1222-1224.	7.2	176
211	Controlled Submolecular Translational Motion in Synthesis: A Mechanically Interlocking Auxiliary. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3260-3264.	7.2	99
212	A 3D Interlocked Structure from a 2D Template: Structural Requirements for the Assembly of a Square-Planar Metal-Coordinated [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3914-3918.	7.2	124
213	Photoinduced Dynamics in Hydrogen-Bonded Rotaxanes. <i>ChemInform</i> , 2004, 35, no.	0.1	0
214	The Mechanism of Formation of Amide-Based Interlocked Compounds: Prediction of a New Rotaxane-Forming Motif. <i>Chemistry - A European Journal</i> , 2004, 10, 4960-4969.	1.7	50
215	Shuttling through reversible covalent chemistry. <i>Chemical Communications</i> , 2004, , 2262-2263.	2.2	77
216	Solution and Solid-State Properties of Mechanically Linked Polycarbonates. <i>Macromolecules</i> , 2004, 37, 66-70.	2.2	26

#	ARTICLE	IF	CITATIONS
217	Structural, Electrochemical, and Photophysical Properties of a Molecular Shuttle Attached to an Acid-Terminated Self-Assembled Monolayer. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15192-15199.	1.2	60
218	Mechanically Linked Poly(ethylene terephthalate). <i>Macromolecules</i> , 2004, 37, 7884-7892.	2.2	29
219	A Reversible Synthetic Rotary Molecular Motor. <i>Science</i> , 2004, 306, 1532-1537.	6.0	564
220	A Generic Basis for Some Simple Light-Operated Mechanical Molecular Machines. <i>Journal of the American Chemical Society</i> , 2004, 126, 12210-12211.	6.6	199
221	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 2398-2402.	1.6	60
222	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 3501-3505.	1.6	14
223	Remarkable Positional Discrimination in Bistable Light- and Heat-Switchable Hydrogen-Bonded Molecular Shuttles. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2296-2300.	7.2	187
224	Rotaxane Building Blocks bearing Blocked Isocyanate Stoppers: Polyrotaxanes through Post-Assembly Chain Extension. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3379-3383.	7.2	54
225	Entropy-Driven Translational Isomerism: A Tristable Molecular Shuttle. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5886-5889.	7.2	103
226	Summing Up Ligand Binding Interactions. <i>Chemistry and Biology</i> , 2003, 10, 1143-1144.	6.2	8
227	Rotaxanes – “novel photonic molecules. <i>Optical Materials</i> , 2003, 21, 39-44.	1.7	12
228	Unidirectional rotation in a mechanically interlocked molecular rotor. <i>Nature</i> , 2003, 424, 174-179.	13.7	862
229	Electrochemically Switchable Hydrogen-Bonded Molecular Shuttles. <i>Journal of the American Chemical Society</i> , 2003, 125, 8644-8654.	6.6	232
230	Mechanically Linked Polycarbonate. <i>Journal of the American Chemical Society</i> , 2003, 125, 2200-2207.	6.6	67
231	Chiroptical Switching in a Bistable Molecular Shuttle. <i>Journal of the American Chemical Society</i> , 2003, 125, 13360-13361.	6.6	175
232	“Magic Rod” Rotaxanes: The Hydrogen Bond-Directed Synthesis of Molecular Shuttles under Thermodynamic Control. <i>Organic Letters</i> , 2003, 5, 1907-1910.	2.4	78
233	Grafting of Benzylic Amide Macrocycles onto Acid-Terminated Self-Assembled Monolayers Studied by XPS, RAIRS, and Contact Angle Measurements. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10863-10872.	1.2	50
234	Hydrogen Bond-Assembled Fullerene Molecular Shuttle. <i>Organic Letters</i> , 2003, 5, 689-691.	2.4	108

#	ARTICLE	IF	CITATIONS
235	Information Storage Using Supramolecular Surface Patterns. <i>Science</i> , 2003, 299, 531-531.	6.0	193
236	Photoisomerization of a rotaxane hydrogen bonding template: Light-induced acceleration of a large amplitude rotational motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10-14.	3.3	185
237	Photoinduced dynamics in hydrogen-bonded rotaxanes. <i>Pure and Applied Chemistry</i> , 2003, 75, 1055-1060.	0.9	24
238	Molecules in Motion: Towards Hydrogen Bond-Assembled Molecular Machines. , 2003, , 47-56.		0
239	Adsorption of a Benzylic Amide Macrocyclic on a Solid Substrate: XPS and HREELS Characterization of Thin Films Grown on Au(111). <i>Journal of Physical Chemistry B</i> , 2002, 106, 8739-8746.	1.2	40
240	From reactants to products via simple hydrogen-bonding networks: Information transmission in chemical reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4967-4971.	3.3	53
241	Spontaneous Fabrication of Microscopic Arrays of Molecular Structures with Submicron Length Scales. <i>Nano Letters</i> , 2002, 2, 635-639.	4.5	21
242	The Effect of Mechanical Interlocking on Crystal Packing: Predictions and Testing. <i>Journal of the American Chemical Society</i> , 2002, 124, 225-233.	6.6	83
243	Switching "On" and "Off" the Expression of Chirality in Peptide Rotaxanes. <i>Journal of the American Chemical Society</i> , 2002, 124, 2939-2950.	6.6	118
244	Excited and ionic states of formamide: An excited-state photoelectron spectroscopy and ab initio study. <i>Journal of Chemical Physics</i> , 2002, 117, 8270-8280.	1.2	20
245	The Effect of Guest Inclusion on the Crystal Packing of p-tert-Butylcalix[4]arenes. <i>Chemistry - A European Journal</i> , 2002, 8, 4854-4866.	1.7	33
246	Solid-State Fingerprints of Molecular Threading Detected by Inelastic Neutron Scattering. <i>ChemPhysChem</i> , 2002, 3, 1038-1041.	1.0	7
247	Effect of potassium intercalation on the electronic and vibrational properties of benzylic amide [2]catenane films. <i>Surface Science</i> , 2002, 515, 45-52.	0.8	7
248	Enhanced Hydrogen Bonding Induced by Optical Excitation: Unexpected Subnanosecond Photoinduced Dynamics in a Peptide-Based [2]Rotaxane. <i>Journal of the American Chemical Society</i> , 2001, 123, 11327-11328.	6.6	93
249	Excimer-like electroluminescence from thin films of switchable supermolecular anthracene-based rotaxanes. <i>Synthetic Metals</i> , 2001, 122, 27-29.	2.1	7
250	Photophysical properties of thin films and solid phase of switchable supermolecular anthracene-based rotaxanes. <i>Synthetic Metals</i> , 2001, 122, 63-65.	2.1	4
251	Photoinduction of Fast, Reversible Translational Motion in a Hydrogen-Bonded Molecular Shuttle. <i>Science</i> , 2001, 291, 2124-2128.	6.0	642
252	Photoemission study of pristine and potassium intercalated benzylic amide catenane films. <i>Surface Science</i> , 2001, 474, 37-46.	0.8	22

#	ARTICLE	IF	CITATIONS
253	A high resolution electron energy loss spectroscopy study of the adsorption of benzylic amide macrocycle on Au(111). <i>Surface Science</i> , 2001, 474, 71-80.	0.8	15
254	Conformational Self-Recognition as the Origin of Dewetting in Bistable Molecular Surfaces. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10826-10830.	1.2	57
255	Stiff, and Sticky in the Right Places: The Dramatic Influence of Preorganizing Guest Binding Sites on the Hydrogen Bond-Directed Assembly of Rotaxanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 5983-5989.	6.6	203
256	Solid-state optical properties of the methyl-exopyridine-anthracene rotaxane. <i>Chemical Physics</i> , 2001, 269, 381-388.	0.9	0
257	A Quantum-Mechanical Description of Macrocyclic Ring Rotation in Benzylic Amide [2]Catenanes. <i>Chemistry - A European Journal</i> , 2001, 7, 1450-1454.	1.7	26
258	Benzylic Imine Catenates: Readily Accessible Octahedral Analogues of the Sauvage Catenates. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1538-1543.	7.2	202
259	Optical and electroemission properties of thin films of supermolecular anthracene-based rotaxanes. <i>Applied Surface Science</i> , 2001, 175-176, 369-373.	3.1	7
260	The inelastic neutron scattering of two benzylic amide [2]catenanes. <i>Journal of Chemical Physics</i> , 2001, 114, 5006-5011.	1.2	14
261	Benzylic Imine Catenates: Readily Accessible Octahedral Analogues of the Sauvage Catenates This work was supported by the EPSRC. D.A.L. is an EPSRC Advanced Research Fellow (AF/982324). We thank Dr. B. P. Murphy (Manchester Metropolitan University) for useful discussions and Drs. T. J. Kidd, S. M. Lacy (University of Warwick), G. Di Orazio and R. Nasreen (University of Manchester, Institute of Science) Tj ETQq1 1 0.784314 rgBT /Over	7.2	202
262	Linear and nonlinear optical properties of rotaxanes: novel versatile photonic materials. , 2000, , .		2
263	Evidence for ring spinning in rotaxanes induced with an alternate electric field. , 2000, 4106, 194.		1
264	Reducing Molecular Shuttling to a Single Dimension. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 350-353.	7.2	74
265	Physical Consequences of a Mechanically Interlocked Architecture: Benzylic Amide Catenane NH Stretching Vibrations as Sensitive Probes for Weakly Hydrogen-Bonding Environments. <i>ChemPhysChem</i> , 2000, 1, 97-100.	1.0	19
266	Influencing intramolecular motion with an alternating electric field. <i>Nature</i> , 2000, 406, 608-611.	13.7	223
267	Self-assembly of mechanically interlocked and threaded rings: a HREELS and XPS study of thiol-functionalised catenane and rotaxane molecules on Au(111). <i>Surface Science</i> , 2000, 454-456, 112-117.	0.8	29
268	Nonlinear Optical Properties of Benzylic Amide [2] Catenanes: A Novel Versatile Photonic Material. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 353, 545-559.	0.3	2
269	Reducing Molecular Shuttling to a Single Dimension. , 2000, 39, 350.		2
270	Linear and Unanticipated Second-Order Nonlinear Optical Properties of Benzylic Amide [2]Catenane Thin Films: Evidence of Partial Rotation of the Interlocked Molecular Rings in the Solid State. <i>Advanced Materials</i> , 1999, 11, 1303-1306.	11.1	19

#	ARTICLE	IF	CITATIONS
271	STM investigation of flexible supramolecules: Benzylic amide [2] catenanes. <i>Synthetic Metals</i> , 1999, 102, 1466-1467.	2.1	14
272	Raman and far infrared characterization of the simplest benzylic amide [2] catenane. <i>Synthetic Metals</i> , 1999, 102, 1556-1557.	2.1	2
273	Smart Rotaxanes: Shape Memory and Control in Tertiary Amide Peptide [2] rotaxanes. <i>Journal of the American Chemical Society</i> , 1999, 121, 4124-4129.	6.6	95
274	Electrochemically Induced Dynamics of a Benzylic Amide [2] Catenane. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10171-10179.	1.2	20
275	How Do Benzylic Amide [2] Catenane Rings Rotate?. <i>Journal of the American Chemical Society</i> , 1999, 121, 2364-2379.	6.6	69
276	Organic Magic Rings: The Hydrogen Bond-Directed Assembly of Catenanes under Thermodynamic Control. <i>Journal of the American Chemical Society</i> , 1999, 121, 1599-1600.	6.6	194
277	<title>Benzylic amide [2] catenanes as a novel photonic material</title>. , 1999, , .		0
278	Experimental and theoretical studies of the low-lying electronic states of the simplest benzylic amide [2] catenane. <i>Chemical Physics</i> , 1998, 238, 421-428.	0.9	7
279	Growth and characterization of benzylic amide [2] catenane thin films. <i>Thin Solid Films</i> , 1998, 327-329, 321-325.	0.8	20
280	From catenanes to mechanically-linked polymers. <i>Current Opinion in Solid State and Materials Science</i> , 1998, 3, 579-584.	5.6	19
281	High-Frequency Vibrations of the Simplest Benzylic Amide [2] Catenane. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5782-5788.	1.1	19
282	Controlling the Frequency of Macrocyclic Ring Rotation in Benzylic Amide [2] Catenanes. <i>Journal of the American Chemical Society</i> , 1998, 120, 6458-6467.	6.6	92
283	Inelastic neutron scattering of large molecular systems: The case of the original benzylic amide [2] catenane. <i>Journal of Chemical Physics</i> , 1998, 109, 11094-11100.	1.2	18
284	Peptide-Based Molecular Shuttles. <i>Journal of the American Chemical Society</i> , 1997, 119, 11092-11093.	6.6	256
285	Glycylglycine Rotaxanes: The Hydrogen Bond Directed Assembly of Synthetic Peptide Rotaxanes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 728-732.	4.4	198
286	Glycylglycin Rotaxane: Wasserstoffbrückenvermittelte Selbstorganisation synthetischer Peptid Rotaxane. <i>Angewandte Chemie</i> , 1997, 109, 752-756.	1.6	60
287	Studies of multiple-chain alkylaminomethylp-cyanophenol derivatives for Langmuir-Blodgett films. <i>Advanced Materials for Optics and Electronics</i> , 1997, 7, 295-305.	0.6	1
288	The Synthesis and Solubilization of Amide Macrocycles via Rotaxane Formation. <i>Journal of the American Chemical Society</i> , 1996, 118, 10662-10663.	6.6	136

#	ARTICLE	IF	CITATIONS
289	Catenane-Chameleons: von der Umgebung abhängige Translationsisomerie amphiphiler Benzylamid[2]Catenane. <i>Angewandte Chemie</i> , 1996, 108, 326-331.	1.6	34
290	Fast atom bombardment mass spectrometry as a tool for the rapid determination of enantioselective binding of methylated cyclodextrins. <i>Carbohydrate Research</i> , 1996, 290, 117-123.	1.1	13
291	Catenane Chameleons: Environment-Sensitive Translational Isomerism in Amphiphilic Benzylic Amide[2]Catenanes. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 306-310.	4.4	114
292	Crystallization-resistant photorefractive polymer composite with high diffraction efficiency and reproducibility. <i>Applied Physics Letters</i> , 1996, 68, 2801-2803.	1.5	93
293	Einfache Synthese eines Benzylamid[2]Catenans und seine Festkörperstruktur. <i>Angewandte Chemie</i> , 1995, 107, 1324-1327.	1.6	86
294	Strukturell variantenreiche und dynamisch vielseitige Benzylamid[2]Catenane, die direkt aus kommerziell erhältlichen Ausgangsmaterialien zugänglich sind. <i>Angewandte Chemie</i> , 1995, 107, 1327-1331.	1.6	47
295	Facile Synthesis and Solid-State Structure of a Benzylic Amide[2]Catenane. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1209-1212.	4.4	269
296	Structurally Diverse and Dynamically Versatile Benzylic Amide[2]Catenanes Assembled Directly from Commercially Available Precursors. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1212-1216.	4.4	161
297	Intermolecular aglycon transfer of ethyl 1-thiorhamnopyranosides under Koenigs-Knorr and Helferich glycosylation conditions. <i>Carbohydrate Research</i> , 1995, 276, 417-424.	1.1	39
298	Second Harmonic Generation from Langmuir-Blodgett Films of Fullerene-Aza-Crown Ethers and Their Potassium Ion Complexes. <i>Langmuir</i> , 1995, 11, 2334-2336.	1.6	24
299	Improved Second Harmonic Generation from Langmuir-Blodgett Films of an Azacrown Ether Fullerene Derivative. <i>Materials Research Society Symposia Proceedings</i> , 1994, 349, 343.	0.1	0
300	2,7-Dimethyl-3,5-octadiyne-2,7-diol dichloromethane solvate: a clathrate comprising hydrogen-bonded supramolecular tunnels containing dichloromethane guest molecules. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1994, 50, 129-131.	0.4	3
301	Unusual host-guest π -arene \cdots H bonding in a π -hooded cavitand: the first solid-state structure of a calix[4]resorcinarene with underivatized hydroxy groups. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 389-390.	2.0	64
302	C60-azacrown ethers: the first monoaminated fullerene derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 397.	2.0	43
303	Endohedral complexation of helium atoms by derivatised fullerenes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 7.	2.0	2
304	Kinetically controlled regiospecific silylation of polyols via dibutylstannediyl acetals. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1373.	2.0	27
305	The regioselective tert-butyldimethylsilylation of the 6 α -hydroxyl group of lactose derivatives via their dibutylstannylene acetals. <i>Carbohydrate Research</i> , 1993, 248, 365-369.	1.1	28
306	Tandem mass spectrometry of aminated fullerene derivatives. <i>Organic Mass Spectrometry</i> , 1993, 28, 559-563.	1.3	4

#	ARTICLE	IF	CITATIONS
307	White light emission from C60 molecules confined in molecular cage materials. <i>Advanced Materials</i> , 1993, 5, 583-585.	11.1	48
308	Unorthodox rate enhancement in the Mannich reaction of para-substituted phenols containing electron-withdrawing groups. <i>Tetrahedron Letters</i> , 1993, 34, 5639-5640.	0.7	11
309	The confinement of buckminsterfullerene in one-dimensional channels. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 533.	2.0	42
310	The crystal structure of 1,5-bis(3,5-dimethyl-2-hydroxybenzyl)-1,5-diazocane-2,6-dione. <i>Journal of Heterocyclic Chemistry</i> , 1992, 29, 317-320.	1.4	4
311	The in situ activation of thioglycosides with bromine: an improved glycosylation method. <i>Journal of Organic Chemistry</i> , 1990, 55, 2860-2863.	1.7	145
312	Conformational analysis of some 11, 12-dihydrodibenz[B, F][1, 5]oxazocin-6-one derivatives by NMR spectroscopy. <i>Tetrahedron</i> , 1989, 45, 6857-6866.	1.0	8
313	The complexation properties of some unnatural and natural macrocyclic trichothecenes. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 904.	2.0	8
314	The facile conversion of T-2 toxin and neosolaniol into anguidine. <i>Tetrahedron Letters</i> , 1987, 28, 2661-2664.	0.7	7
315	Novel 4,15-polyether analogues of macrocyclic trichothecenes. <i>Tetrahedron Letters</i> , 1987, 28, 2653-2656.	0.7	8
316	Novel 3,4- and 8,15-polyether analogues of macrocyclic trichothecenes. <i>Tetrahedron Letters</i> , 1987, 28, 2657-2660.	0.7	6
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