Jeremy K M Sanders

List of Publications by Year
in descending order

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336 papers	28,612 citations	7551 77 h-index	6282 158 g-index
380 all docs	380 docs citations	380 times ranked	16646 citing authors

#	Article	IF	Citations
1	The nature of .pi.-.pi. interactions. Journal of the American Chemical Society, 1990, 112, 5525-5534.	6.6	4,972
2	Dynamic Covalent Chemistry. Angewandte Chemie - International Edition, 2002, 41, 898-952.	7.2	2,245
3	Dynamic Combinatorial Chemistry. Chemical Reviews, 2006, 106, 3652-3711.	23.0	1,707
4	Expanding roles for templates in synthesis. Accounts of Chemical Research, 1993, 26, 469-475.	7.6	673
5	Selection and Amplification of Hosts From Dynamic Combinatorial Libraries of Macrocyclic Disulfides. Science, 2002, 297, 590-593.	6.0	355
6	Disulfide exchange: exposing supramolecular reactivity through dynamic covalent chemistry. Chemical Society Reviews, 2014, 43, 1861-1872.	18.7	303
7	Amplification of Acetylcholine-Binding Catenanes from Dynamic Combinatorial Libraries. Science, 2005, 308, 667-669.	6.0	282
8	Discovery of an Organic Trefoil Knot. Science, 2012, 338, 783-785.	6.0	282
9	Dabco-metalloporphyrin binding: ternary complexes, host-guest chemistry and the measurement of .pi.-.pi. interactions. Journal of the American Chemical Society, 1990, 112, 5773-5780.	6.6	281
10	Evolution of Dynamic Combinatorial Chemistry. Accounts of Chemical Research, 2012, 45, 2211-2221.	7.6	265
11	Nuclear magnetic double resonance; the use of difference spectroscopy. Progress in Nuclear Magnetic Resonance Spectroscopy, 1982, 15, 353-400.	3.9	258
12	Dynamic Combinatorial Libraries of Macrocyclic Disulfides in Water. Journal of the American Chemical Society, 2000, 122, 12063-12064.	6.6	251
13	Tris(dipivalomethanato)europium. Paramagnetic shift reagent for use in nuclear magnetic resonance spectroscopy. Journal of the American Chemical Society, 1971, 93, 641-645.	6.6	244
14	Supramolecular Catalysis in Transition. Chemistry - A European Journal, 1998, 4, 1378-1383.	1.7	243
15	Complete analysis of proton NMR spectra of complex natural products using a combination of one- and two-dimensional techniques. 1-Dehydrotestosterone. Journal of the American Chemical Society, 1980, 102, 5703-5711.	6.6	229
16	Polyol Recognition by a Steroid-Capped Porphyrin. Enhancement and Modulation of Misfit Guest Binding by Added Water or Methanol. Journal of the American Chemical Society, 1995, 117, 259-271.	6.6	229
17	Switchable Neutral Bistable Rotaxanes. Journal of the American Chemical Society, 2004, 126, 9884-9885.	6.6	219
18	Synthesis, Structure and Photophysics of Neutral Ï€-Associated [2]Catenanes. Chemistry - A European Journal, 1998, 4, 608-620.	1.7	212

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19	Hydrogen-Bonded Helical Organic Nanotubes. Angewandte Chemie - International Edition, 2007, 46, 194-197.	7.2	203
20	Controllable Donor-Acceptor Neutral [2]Rotaxanes. Chemistry - A European Journal, 2004, 10, 6375-6392.	1.7	185
21	Thermodynamics of induced-fit binding inside polymacrocyclic porphyrin hosts. Journal of the American Chemical Society, 1990, 112, 5780-5789.	6.6	182
22	Assembly and Crystal Structure of a Photoactive Array of Five Porphyrins. Angewandte Chemie International Edition in English, 1995, 34, 1096-1099.	4.4	175
23	Solid-state dynamic combinatorial chemistry: reversibility and thermodynamic product selection in covalent mechanosynthesis. Chemical Science, 2011, 2, 696.	3.7	165
24	Automated Recognition, Sorting, and Covalent Self-Assembly by Predisposed Building Blocks in a Mixture. Journal of the American Chemical Society, 1997, 119, 2578-2579.	6.6	164
25	Molecular evolution: dynamic combinatorial libraries, autocatalytic networks and the quest for molecular function. Current Opinion in Chemical Biology, 2000, 4, 270-279.	2.8	159
26	Catalytic Acyl Transfer by a Cyclic Porphyrin Trimer: Efficient Turnover without Product Inhibition. Journal of the American Chemical Society, 1994, 116, 3141-3142.	6.6	158
27	Lithium-Templated Synthesis of a Donorâ€“Acceptor Pseudorotaxane and Catenane. Angewandte Chemie - International Edition, 2004, 43, 1959-1962.	7.2	156
28	Selection and Amplification of a Catalyst from a Dynamic Combinatorial Library. Angewandte Chemie - International Edition, 2003, 42, 1270-1273.	7.2	155
29	A shift reagent for use in nuclear magnetic resonance spectroscopy. A first-order spectrum of n-hexanol. Challenge, 1970, , 422.	0.4	144
30	Amine-Template-Directed Synthesis of Cyclic Porphyrin Oligomers. Angewandte Chemie International Edition in English, 1990, 29, 1400-1403.	4.4	141
31	Selection approaches to catalytic systems. Chemical Society Reviews, 1997, 26, 327.	18.7	141
32	Filling Helical Nanotubes with C60. Angewandte Chemie - International Edition, 2007, 46, 2238-2240.	7.2	140
33	Homochiral and meso Figure Eight Knots and a Solomon Link. Journal of the American Chemical Society, 2014, 136, 8243-8251.	6.6	140
34	Ligand binding by butadiyne-linked porphyrin dimers, trimers and tetramers. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2231.	0.9	138
35	Dynamic combinatorial synthesis of a catenane based on donorâ€“acceptor interactions in water. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10466-10470.	3.3	138
36	The Poly-Î²-hydroxybutyrate Granule in vivo. Journal of Biological Chemistry, 1989, 264, 3286-3291.	1.6	137

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37	Supramolecular templating in thermodynamically controlled synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4801-4804.	3.3	133
38	Recent developments in dynamic combinatorial chemistry. Current Opinion in Chemical Biology, 2002, 6, 321-327.	2.8	129
39	Solvation and surface effects on polymorph stabilities at the nanoscale. Chemical Science, 2016, 7, 6617-6627.	3.7	128
40	â€˜Livingâ€™ macrolactonisation: thermodynamically-controlled cyclisation and interconversion of oligocholates. Chemical Communications, 1996, , 319-320.	2.2	126
41	Exciton coupling in porphyrin dimers. Chemical Physics, 1989, 133, 395-404.	0.9	125
42	Generation of a Dynamic System of Threeâ€Dimensional Tetrahedral Polycatenanes. Angewandte Chemie - International Edition, 2013, 52, 5749-5752.	7.2	124
43	Macrocyclization and Molecular Interlocking via Mitsunobu Alkylation:â€‰ Highlighting the Role of Câ€“HÂ·Â·Â·O Interactions in Templating. Organic Letters, 2000, 2, 449-452.	2.4	123
44	Diastereoselective Amplification of an Induced-Fit Receptor from a Dynamic Combinatorial Library. Journal of the American Chemical Society, 2005, 127, 8902-8903.	6.6	122
45	Ligand-Driven G-Quadruplex Conformational Switching By Using an Unusual Mode of Interaction. Angewandte Chemie - International Edition, 2007, 46, 5405-5407.	7.2	122
46	Tetramethylpyridiniumporphyrazinesâ€”a new class of G-quadruplex inducing and stabilising ligands. Chemical Communications, 2006, , 4685-4687.	2.2	120
47	Exploring the Formation Pathways of Donorâ€“Acceptor Catenanes in Aqueous Dynamic Combinatorial Libraries. Journal of the American Chemical Society, 2011, 133, 3198-3207.	6.6	119
48	Metalloporphyrin Dendrimers with Folding Arms. Angewandte Chemie - International Edition, 1998, 37, 3020-3023.	7.2	116
49	Competition between Receptors in Dynamic Combinatorial Libraries:Â Amplification of the Fittest?. Journal of the American Chemical Society, 2005, 127, 9390-9392.	6.6	112
50	Reversible synthesis of Ï€-associated [2]catenanes by ring-closing metathesis: towards dynamic combinatorial libraries of catenanes. New Journal of Chemistry, 1998, 22, 1019-1021.	1.4	111
51	A New Cyclic Pseudopeptide Receptor for Li+ from a Dynamic Combinatorial Library. Journal of the American Chemical Society, 2001, 123, 8876-8877.	6.6	110
52	exo-Selective acceleration of an intermolecular Dielsâ€“Alder reaction by a trimeric porphyrin host. Journal of the Chemical Society Chemical Communications, 1993, , 458-460.	2.0	109
53	Correlation between Hostâ€“Guest Binding and Host Amplification in Simulated Dynamic Combinatorial Libraries. Chemistry - A European Journal, 2004, 10, 3139-3143.	1.7	109
54	Thermodynamics of Supramolecular Naphthalenediimide Nanotube Formation: The Influence of Solvents, Side Chains, and Guest Templates. Journal of the American Chemical Society, 2012, 134, 566-573.	6.6	108

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55	Dynamic combinatorial chemistry. Drug Discovery Today, 2002, 7, 117-125.	3.2	107
56	Thermodynamically self-assembling porphyrin-stoppered rotaxanes. New Journal of Chemistry, 2001, 25, 166-173.	1.4	105
57	Dynamic combinatorial libraries of pseudo-peptide hydrazone macrocycles. Chemical Communications, 1999, , 1575-1576.	2.2	104
58	Guestâ€Induced Transformation of a Porphyrinâ€Edged Fe^{II}₄L₆ Capsule into a Cu^IFe^{II}₂L₄ Fullerene Receptor. Angewandte Chemie - International Edition, 2015, 54, 3988-3992.	7.2	104
59	Amorphous, biomimetic granules of polyhydroxybutyrate: preparation, characterization, and biological implications. Journal of the American Chemical Society, 1994, 116, 2695-2702.	6.6	103
60	Identification and Isolation of a Receptor forN-Methyl Alkylammonium Salts: Molecular Amplification in a Pseudo-peptide Dynamic Combinatorial Library. Angewandte Chemie - International Edition, 2001, 40, 423-428.	7.2	103
61	High Catalytic Activity of Chiral Amino Alcohol Ligands Anchored to Polystyrene Resins. Journal of Organic Chemistry, 1998, 63, 6309-6318.	1.7	101
62	Exploring the Differential Recognition of DNA Gâ€Quadruplex Targets by Small Molecules Using Dynamic Combinatorial Chemistry. Angewandte Chemie - International Edition, 2008, 47, 2677-2680.	7.2	101
63	Templated Dynamic Synthesis of a [3]Catenane. Angewandte Chemie - International Edition, 2012, 51, 1443-1447.	7.2	101
64	Neutral [2]catenanes from oxidative coupling of Ï€-stacked components. Chemical Communications, 1997, , 897-898.	2.2	96
65	Tandem Hetero-Catenation:Â Templating and Self-Assembly in the Mutual Closure of Two Different Interlocking Rings. Journal of the American Chemical Society, 1998, 120, 1096-1097.	6.6	96
66	Dioxoporphyrins as Supramolecular Building Blocks: Oligomer Synthesis via Preassembly on a Ligand Template. Journal of the American Chemical Society, 1995, 117, 6611-6612.	6.6	95
67	Photophysical and Electrochemical Characterisation of the Interactions between Components in Neutral Ï€-Associated [2]Catenanes. Chemistry - A European Journal, 2000, 6, 608-617.	1.7	93
68	Expanding diversity in dynamic combinatorial libraries: simultaneous exchange of disulfide and thioester linkages. Chemical Communications, 2005, , 1959.	2.2	92
69	Discovery of Linear Receptors for Multiple Dihydrogen Phosphate Ions Using Dynamic Combinatorial Chemistry. Journal of the American Chemical Society, 2011, 133, 3804-3807.	6.6	90
70	Exploring the Relation between Amplification and Binding in Dynamic Combinatorial Libraries of Macrocyclic Synthetic Receptors in Water. Chemistry - A European Journal, 2008, 14, 2153-2166.	1.7	88
71	Male antifertility compounds from Tripterygium wilfordii Hook F.. Contraception, 1993, 47, 387-400.	0.8	86
72	Assembly of Dynamic Heterometallic Oligoporphyrins Using Cooperative Zincâ^'Nitrogen, Rutheniumâ^'Nitrogen, and Tinâ^'Oxygen Coordination. Journal of the American Chemical Society, 1999, 121, 8120-8121.	6.6	86

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73	Adventures in molecular recognition. The ins and outs of templating. Pure and Applied Chemistry, 2000, 72, 2265-2274.	0.9	86
74	Reversible five-component assembly of a [2]catenane from a chiral metallomacrocycle and a dinaphtho-crown ether. Chemical Communications, 1998, , 723-724.	2.2	84
75	Dynamic combinatorial chemistry. Drug Discovery Today, 2002, 7, 117-125.	3.2	81
76	Amplifying Different [2]Catenanes in an Aqueous Donorâ^'Acceptor Dynamic Combinatorial Library. Journal of the American Chemical Society, 2009, 131, 16030-16032.	6.6	81
77	Dynamic combinatorial libraries of metalloporphyrins: templated amplification of disulfide-linked oligomers. Chemical Communications, 2003, , 2674.	2.2	78
78	Thermodynamically-controlled cyclisation and interconversion of oligocholates: metal ion templated â€˜livingâ€™ macrolactonisation. Journal of the Chemical Society Perkin Transactions 1, 1997, , 3237-3254.	0.9	77
79	Metal-ion induced amplification of three receptors from dynamic combinatorial libraries of peptide-hydrazonesElectronic supplementary information (ESI) available: NMR and IR data of the Li+ complexes of (mPF)2, (pPF)3 and (pPC)3. See http://www.rsc.org/suppdata/ob/b3/b300956d/. Organic and Biomolecular Chemistry, 2003, 1, 1625-1633.	1.5	77
80	A Water Soluble Donorâ€“Acceptor [2]Catenane that Can Switch between a Coplanar and a Geminiâ€Sign Conformation. Angewandte Chemie - International Edition, 2010, 49, 5331-5334.	7.2	77
81	Paramagnetic shift reagents. Nature of the interactions. Journal of the American Chemical Society, 1972, 94, 5325-5335.	6.6	76
82	Exploiting donorâ€“acceptor interactions in aqueous dynamic combinatorial libraries: exploratory studies of simple systems. Chemical Science, 2010, 1, 567.	3.7	73
83	Geometry of porphyrin-porphyrin interactions. Journal of Organic Chemistry, 1988, 53, 733-740.	1.7	72
84	Synthesis of a cyclic porphyrin trimer with a semi-rigid cavity. Journal of the Chemical Society Chemical Communications, 1989, , 1714.	2.0	72
85	Macrocycles Derived from Cinchona Alkaloids:â€‰ A Thermodynamic vs Kinetic Study. Journal of Organic Chemistry, 1998, 63, 1536-1546.	1.7	72
86	Rh(III) Porphyrins as Building Blocks for Porphyrin Coordination Arrays:â€‰ From Dimers to Heterometallic Undecamers. Inorganic Chemistry, 2001, 40, 2486-2499.	1.9	72
87	Selection and Amplification of Mixed-Metal Porphyrin Cages from Dynamic Combinatorial Libraries. Chemistry - A European Journal, 2003, 9, 6039-6048.	1.7	71
88	Structure-Directed Synthesis under Thermodynamic Control: Macrocyclic Trimers from Cinchona Alkaloids. Angewandte Chemie International Edition in English, 1996, 35, 2143-2145.	4.4	69
89	Dynamic Covalent Chemistry. Angewandte Chemie - International Edition, 2002, 41, 1460-1460.	7.2	69
90	Systems Chemistry: Pattern Formation in Random Dynamic Combinatorial Libraries. Angewandte Chemie - International Edition, 2007, 46, 8858-8861.	7.2	69

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91	Template-directed synthesis of multi-component organic cages in water. Chemical Science, 2012, 3, 2326.	3.7	69
92	What Are the Limits to the Size of Effective Dynamic Combinatorial Libraries?. Organic Letters, 2004, 6, 1825-1827.	2.4	67
93	Inclusion of C60 into an adjustable porphyrin dimer generated by dynamic disulfide chemistry. Chemical Communications, 2005, , 1276.	2.2	67
94	Catenation and encapsulation induce distinct reconstitutions within a dynamic library of mixed-ligand Zn₄L₆ cages. Chemical Science, 2016, 7, 2614-2620.	3.7	67
95	Structural Parameters Governing the Dynamic Combinatorial Synthesis of Catenanes in Water. Journal of the American Chemical Society, 2012, 134, 19129-19135.	6.6	66
96	Towards synthetic enzymes based on porphyrins and steroids. Pure and Applied Chemistry, 1994, 66, 803-810.	0.9	64
97	Product-Induced Distortion of a Metalloporphyrin Host:Â Implications for Acceleration of Dielsâ˜'Alder Reactions. Journal of the American Chemical Society, 2000, 122, 5286-5293.	6.6	64
98	Efficient and Mild Microwave-Assisted Stepwise Functionalization of Naphthalenediimide with Î±-Amino Acids. Journal of Organic Chemistry, 2006, 71, 7063-7066.	1.7	63
99	A supramolecular array assembled via the complementary binding properties of ruthenium(II) and tin(IV) porphyrins. New Journal of Chemistry, 2001, 25, 797-800.	1.4	61
100	Acceleration of a hetero-Dielsâ€"Alder reaction by cyclic metalloporphyrin trimers. Chemical Communications, 1998, , 2265-2266.	2.2	60
101	A Strategy for the Assembly of Multiple Porphyrin Arrays Based on the Coordination Chemistry of Ru-Centered Porphyrin Pentamers. Journal of Organic Chemistry, 2001, 66, 4476-4486.	1.7	60
102	Crystal Structure of a Supramolecular Dimer Formed byÏ€ï£¿Ï€ Interactions between Two Interlocked Cyclic Zinc Porphyrin Trimers. Angewandte Chemie International Edition in English, 1994, 33, 429-431.	4.4	59
103	Enzyme mimics based on cyclic porphyrin oligomers: strategy, design and exploratory synthesis. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2223.	0.9	59
104	Reversing the stereochemistry of a Dielsâ€"Alder reaction: use of metalloporphyrin oligomers to control transition state stability. New Journal of Chemistry, 1998, 22, 493-502.	1.4	59
105	A combined covalent and coordination approach to dendritic multiporphyrin arrays based on ruthenium(II) porphyrins. New Journal of Chemistry, 1999, 23, 359-364.	1.4	58
106	Molecular amplification in a dynamic combinatorial library using non-covalent interactions. Chemical Communications, 2000, , 1761-1762.	2.2	57
107	Amplification of a cyclic mixed-metalloporphyrin tetramer from a dynamic combinatorial library through orthogonal metal coordinationElectronic supplementary information (ESI) available: Fig. S1Ã¢â‚¬â€œ3: 1H NMR, 1HÃ¢â‚¬â€œ1H COSY and 1HÃ¢â‚¬â€œ1H NOESY spectra of (4,4Ã¢â‚¬â€²-bipy)Ã¢Åâ€š[(Zn-1)2/(Rh-2)2] at http://www.rsc.org/suppdata/cc/b1/b111019p/. Chemical Communications, 2002, , 524-525.	2.2	57
108	Molecular amplification in a dynamic system by ammonium cations. Tetrahedron, 2002, 58, 771-778.	1.0	57

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109	Templated amplification of a naphthalenediimide-based receptor from a donorâ€“acceptor dynamic combinatorial library in water. Chemical Communications, 2009, , 419-421.	2.2	57
110	Hostâ€“Guest Binding Constants Can Be Estimated Directly from the Product Distributions of Dynamic Combinatorial Libraries. Angewandte Chemie - International Edition, 2007, 46, 5762-5764.	7.2	56
111	A catalyst for an acetal hydrolysis reaction from a dynamic combinatorial library. New Journal of Chemistry, 2005, 29, 1001.	1.4	55
112	Poly(hydroxybutyrate) in vivo: NMR and x-ray characterization of the elastomeric state. Macromolecules, 1991, 24, 4583-4588.	2.2	54
113	Ferrocene-amino acid macrocycles as hydrazone-based receptors for anions. Chemical Science, 2011, 2, 1560.	3.7	54
114	A new approach to the assembly of electron donorâ€“spacerâ€“acceptor systems. Journal of the Chemical Society Chemical Communications, 1989, .	2.0	53
115	Metalloporphyrin Oligomers with Collapsible Cavities: Characterisation and Recognition Properties of Individual Atropisomers. Chemistry - A European Journal, 1998, 4, 335-343.	1.7	52
116	Synthesis and G-quadruplex binding studies of new 4-N-methylpyridinium porphyrins. Organic and Biomolecular Chemistry, 2006, 4, 3337-3342.	1.5	52
117	Understanding the Influence of Surface Solvation and Structure on Polymorph Stability: A Combined Mechanochemical and Theoretical Approach. Journal of the American Chemical Society, 2018, 140, 17051-17059.	6.6	51
118	Self-associating cyclocholates. Tetrahedron Letters, 1993, 34, 1677-1680.	0.7	50
119	Supramolecular Assemblies of Tripodal Porphyrin Hosts and C₆₀. Chemistry - A European Journal, 2008, 14, 3035-3044.	1.7	50
120	The sergeants-and-soldiers effect: chiral amplification in naphthalenediimide nanotubes. Organic and Biomolecular Chemistry, 2010, 8, 4274.	1.5	50
121	Changing the game of time resolved X-ray diffraction on the mechanochemistry playground by downsizing. Nature Communications, 2021, 12, 6134.	5.8	50
122	Formaldehyde metabolism by Escherichia coli. Detection by in vivo carbon-13 NMR spectroscopy of S-(hydroxymethyl)glutathione as a transient intracellular intermediate. Biochemistry, 1986, 25, 4504-4507.	1.2	49
123	Observation of mobile poly(Î²-hydroxybutyrate) in the storage granules ofMethylobacteriumAM1 by in vivo13C-NMR spectroscopy. FEBS Letters, 1988, 231, 16-18.	1.3	49
124	Plasticization of poly(hydroxybutyrate) in vivo. International Journal of Biological Macromolecules, 1992, 14, 50-56.	3.6	49
125	Selbstassoziation und Struktur einer photoaktiven Anordnung von fÃ¼nf Porphyrinen. Angewandte Chemie, 1995, 107, 1196-1200.	1.6	49
126	Synthesis of macrocycles and an unusually asymmetric [2]catenane via templated acetylenic couplings. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1057-1066.	0.9	49

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127	Aluminium(iii) porphyrins as supramolecular building blocks. Chemical Communications, 2006, , 3087.	2.2	49
128	A fully self-assembled non-symmetric triad for photoinduced charge separation. Chemical Science, 2011, 2, 676-685.	3.7	49
129	Interactions Between Amino Acidâ€Tagged Naphthalenediimide and Single Walled Carbon Nanotubes for the Design and Construction of New Bioimaging Probes. Advanced Functional Materials, 2012, 22, 503-518.	7.8	49
130	Analysis of the proton nuclear magnetic resonance spectrum of 11.beta.-hydroxyprogesterone by one- and two-dimensional methods. Some implications for steroid and terpenoid chemistry. Journal of Organic Chemistry, 1981, 46, 1132-1138.	1.7	48
131	Cyclocholates: Synthesis and Ion Binding. Tetrahedron Letters, 1992, 33, 2071-2074.	0.7	48
132	Direct Observation of Intermediates in a Thermodynamically Controlled Solid-State Dynamic Covalent Reaction. Journal of the American Chemical Society, 2014, 136, 16156-16166.	6.6	48
133	Carboxylate and carboxylic acid recognition by tin(IV) porphyrins. Chemical Communications, 1998, , 661-662.	2.2	47
134	Effects of Shape on Thermodynamic Cyclizations of Cinchona Alkaloids. Journal of Organic Chemistry, 1999, 64, 5804-5814.	1.7	47
135	Morphine recognition by a porphyrinâ€“cyclocholate molecular bowl. Journal of the Chemical Society Chemical Communications, 1993, , 456-458.	2.0	46
136	Construction of Multiporphyrin Arrays Using Ruthenium and Rhodium Coordination to Phosphines. Inorganic Chemistry, 2003, 42, 6564-6574.	1.9	46
137	Cation-reinforced donor-acceptor pseudorotaxanes. New Journal of Chemistry, 2005, 29, 80.	1.4	46
138	Shift Reagents in NMR Spectroscopy. Nature, 1972, 240, 385-390.	13.7	45
139	Petroporphyrins IV. Nuclear overhauser enhancement 1H NMR studies of deoxophylloerythroetio porphyrins from gilsonite. Tetrahedron Letters, 1980, 21, 2987-2990.	0.7	45
140	Modelling the photosynthetic reaction centre: photoinduced electron transfer in a pyromellitimide-bridged â€˜special pairâ€™ porphyrin dimer. Journal of the Chemical Society Chemical Communications, 1987, , 55-58.	2.0	45
141	Assembly of a photoactive supramolecule using porphyrin co-ordination chemistry. Journal of the Chemical Society Chemical Communications, 1989, , 226.	2.0	45
142	Simultaneous selection, amplification and isolation of a pseudo-peptide receptor by an immobilised N-methyl ammonium ion template. Chemical Communications, 2002, , 938-939.	2.2	45
143	A self-assembling polymer-bound rotaxane under thermodynamic control. Chemical Communications, 2003, , 1396.	2.2	45
144	Understanding the unexpected effect of frequency on the kinetics of a covalent reaction under ball-milling conditions. Beilstein Journal of Organic Chemistry, 2019, 15, 1226-1235.	1.3	45

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145	Allosteric ligand binding to cofacial metalloporphyrin dimers: the mechanism of porphyrin disaggregation. Journal of the Chemical Society Perkin Transactions 1, 1989, , 547.	0.9	44
146	A platinum-linked porphyrin trimer and a complementary aluminium tris[3-(4-pyridyl)acetylacetonate] guest. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2269.	0.9	44
147	Selection and Amplification of a Catalyst from a Dynamic Combinatorial Library. Angewandte Chemie, 2003, 115, 1308-1311.	1.6	44
148	Synthesis, binding properties and self-functionalization of a steroid-capped porphyrin. Journal of the Chemical Society Chemical Communications, 1991, , 574.	2.0	43
149	Octatetrayne-linked porphyrins: â€˜stretchedâ€™ cyclic dimers and trimers with very spacious cavities. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2275-2279.	0.9	43
150	Formaldehyde adducts of glutathione. Structure elucidation by two-dimensional n.m.r. spectroscopy and fast-atom-bombardment tandem mass spectrometry. Biochemical Journal, 1988, 249, 573-579.	1.7	42
151	Two-phase dynamic combinatorial discovery of a spermine transporter. Chemical Communications, 2009, , 3708.	2.2	42
152	Dynamic Combinatorial Donorâ^'Acceptor Catenanes in Water: Access to Unconventional and Unexpected Structures. Journal of Organic Chemistry, 2011, 76, 1257-1268.	1.7	42
153	Formaldehyde metabolism by Escherichia coli. In vivo carbon, deuterium, and two-dimensional NMR observations of multiple detoxifying pathways. Biochemistry, 1984, 23, 508-514.	1.2	41
154	Protonâ€Ðriven Switching Between Receptors for C₆₀ and C₇₀. Angewandte Chemie - International Edition, 2011, 50, 5725-5728.	7.2	41
155	Template-directed synthesis of linear and cyclic butadiyne-linked porphyrin oligomers up to a linear octamer. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2247.	0.9	40
156	Ethyne-Linked Cyclic Porphyrin Oligomers:â€‰ Synthesis and Binding Properties. Journal of Organic Chemistry, 1997, 62, 240-241.	1.7	40
157	Phosphine-substituted porphyrins as supramolecular building blocks. New Journal of Chemistry, 2000, 24, 261-264.	1.4	40
158	Templated Amplification of an Unexpected Receptor for C₇₀. Angewandte Chemie - International Edition, 2008, 47, 2689-2692.	7.2	40
159	A platinum-linked cyclic porphyrin trimer. Journal of the Chemical Society Chemical Communications, 1992, , 43.	2.0	39
160	Stepwise Approach to Bimetalic Porphyrin Hosts:Â Spatially Enforced Coordination of a Nickel(II) Porphyrin. Inorganic Chemistry, 1997, 36, 6117-6126.	1.9	39
161	Self-Assembly, Binding, and Dynamic Properties of Heterodimeric Porphyrin Macrocycles. Journal of Organic Chemistry, 2005, 70, 6616-6622.	1.7	39
162	Dynamic combinatorial libraries of hydrazone-linked pseudo-peptides: dependence of diversity on building block structure and chirality. Organic and Biomolecular Chemistry, 2007, 5, 778.	1.5	39

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163	Molecular amplification of two different receptors using diastereomeric templates. Chemical Communications, 2007, , 3092.	2.2	39
164	A remarkably flexible and selective receptor for Ba2+ amplified from a hydrazone dynamic combinatorial library. Chemical Communications, 2011, 47, 3371.	2.2	39
165	Synthesis and Characterization of Carboxylate Complexes of SnIV Porphyrin Monomers and Oligomers. Chemistry - A European Journal, 2003, 9, 5211-5222.	1.7	38
166	From static to dynamic: escaping kinetic traps in hydrazone-based dynamic combinatorial libraries. Chemical Communications, 2011, 47, 7359.	2.2	38
167	Selective C70 encapsulation by a robust octameric nanospheroid held together by 48 cooperative hydrogen bonds. Nature Communications, 2017, 8, 15109.	5.8	38
168	Synthesis and post-assembly modification of some functionalised, neutral Ï€-associated [2]catenanes. New Journal of Chemistry, 1999, 23, 897-903.	1.4	37
169	Dynamic combinatorial libraries for the recognition of heavy metal ions. Organic and Biomolecular Chemistry, 2012, 10, 60-66.	1.5	37
170	Diverse topologies in dynamic combinatorial libraries from tri- and mono-thiols in water: sensitivity to weak supramolecular interactions. Chemical Communications, 2013, 49, 5820.	2.2	37
171	Synthesis and Recognition Properties of a Ruthenium(II)â^'Bis(zinc) Cyclic Porphyrin Trimer. Inorganic Chemistry, 2000, 39, 5912-5919.	1.9	36
172	Dynamic combinatorial chemistry with hydrazones: libraries incorporating heterocyclic and steroidal motifs. Organic and Biomolecular Chemistry, 2010, 8, 1181.	1.5	36
173	Mixed cyclic trimers of porphyrins and dioxoporphyrins: geometry vs. electronics in ligand recognition. New Journal of Chemistry, 1998, 22, 1135-1138.	1.4	35
174	Synthesis, Structure, and Modeling of a Cyclic Rhodium(III) Porphyrin Dimer with an Encapsulated 4,4â€˜-Bipyridine Ligand. Inorganic Chemistry, 1999, 38, 5178-5183.	1.9	35
175	Engineering diversity into dynamic combinatorial libraries by use of a small flexible building block. New Journal of Chemistry, 1998, 22, 1015-1018.	1.4	34
176	Phosphine and Phosphonite Complexes of a Ruthenium(II) Porphyrin. 1. Synthesis, Structure, and Solution State Studies. Inorganic Chemistry, 2002, 41, 5255-5268.	1.9	34
177	Inhibition of Dicing of Guanosineâ€Rich shRNAs by Quadruplexâ€Binding Compounds. ChemBioChem, 2008, 9, 2722-2729.	1.3	34
178	Electrospray mass spectrometry and supramolecular complexes: quantifying the metal ion binding properties of cholic acid derivatives. New Journal of Chemistry, 1998, 22, 411-418.	1.4	33
179	STM Images of Individual Porphyrin Molecules on Cu(100) and Cu(111) Surfaces. Angewandte Chemie - International Edition, 1999, 38, 2780-2783.	7.2	33
180	A versatile synthetic strategy for construction of large oligomers: binding and photophysical properties of a nine-porphyrin array. Chemical Communications, 1999, , 1083-1084.	2.2	33

#	Article	IF	Citations
181	Structureâ^'Activity Relationships in the Acceleration of a Hetero Dielsâ^'Alder Reaction by Metalloporphyrin Hosts. Journal of Organic Chemistry, 2000, 65, 7266-7271.	1.7	33
182	Generation and screening of synthetic receptor libraries. Current Opinion in Chemical Biology, 1998, 2, 417-421.	2.8	32
183	Electronic structure and circular dichroism spectroscopy of naphthalenediimide nanotubes. Physical Chemistry Chemical Physics, 2009, 11, 6060.	1.3	32
184	Novel amide alkaloids from the roots of Piper guineense. Phytochemistry, 1977, 16, 757-759.	1.4	31
185	Building thermodynamic combinatorial libraries of quinine macrocycles. Chemical Communications, 1997, , 1407-1408.	2.2	31
186	Phase-transfer dynamic combinatorial chemistry. Chemical Communications, 2008, , 1738.	2.2	31
187	Coordination Polymers Based on Aluminum(III) Porphyrins. Inorganic Chemistry, 2008, 47, 8721-8726.	1.9	31
188	Spin-lattice relaxation, nuclear Overhauser enhancements, and long range coupling in chlorophylls and metalloporphyrins. Journal of the Chemical Society Perkin Transactions 1, 1978, , 1150.	0.9	30
189	Large-scale synthesis of alkyne-linked tripodal porphyrins via palladium-mediated coupling conditions. Chemical Communications, 2006, , 1085.	2.2	30
190	Structures and solution dynamics of pseudorotaxanes mediated by alkali-metal cations. Dalton Transactions, 2007, , 3874.	1.6	30
191	Deprotection, Tethering, and Activation of a Catalytically Active Metalloporphyrin to a Chemically Active Metal Surface: [SAc]₄Pâ^'Mn(III)Cl on Ag(100). Journal of the American Chemical Society, 2009, 131, 1910-1914.	6.6	30
192	Evidence for Contact and Pseudo-Contact Contributions in Lanthanide-Induced 31P N.M.R. Shifts. Tetrahedron Letters, 1971, 12, 2813-2816.	0.7	29
193	Isotope effects on proton chemical shifts and coupling constants in the ammonium ions 15, 14 NH4-nDn+. Chemical Physics Letters, 1988, 143, 471-476.	1.2	29
194	Ru(II)-centred porphyrin pentamers as coordination building blocks for large porphyrin arrays. Chemical Communications, 1999, , 1085-1086.	2.2	29
195	Practicalities and applications of reverse heteronuclear shift correlation: Porphyrin and polysaccharide examples. Magnetic Resonance in Chemistry, 1988, 26, 867-875.	1.1	28
196	Matrix assisted laser desorption/ionisation (MALDI)-TOF mass spectrometry of supramolecular metalloporphyrin assemblies: a surveyâ€Šâ€. Dalton Transactions RSC, 2001, , 604-613.	2.3	28
197	Supramolecular Monolayers of Zinc Porphyrin Trimers on Graphite. Journal of Physical Chemistry B, 2003, 107, 209-216.	1.2	28
198	Dynamic combinatorial chemistry at the phospholipid bilayer interface. Journal of Systems Chemistry, 2010, 1, .	1.7	28

#	Article	IF	Citations
199	New procedures for selectively protected cholic acid derivatives. Regioselective protection of the 12Î±-OH group, and t-butyl esterification of the carboxyl group. Journal of the Chemical Society Perkin Transactions 1, 1990, , 2245-2250.	0.9	27
200	Synthesis and kinetic cyclisation of quinine-derived oligomers. Tetrahedron Letters, 1996, 37, 6013-6016.	0.7	27
201	Sn(IV) Porphyrins as NMR Shift Reagents and Supramolecular Protecting Groups:Â Preparation of a Carboxylateâ^'Catenane Porphyrin Complex. Organic Letters, 1999, 1, 1343-1346.	2.4	27
202	Synthesis under reversible conditions of cyclic porphyrin dimers using palladium-catalysed allyl transesterification. Chemical Communications, 2000, , 1763-1764.	2.2	27
203	Molecular Conformation and Intermolecular Interactions in the Crystal Structures of Free-Base 5,15-Diarylporphyrins. Crystal Growth and Design, 2002, 2, 27-39.	1.4	27
204	The discovery and development of the green fluorescent protein, GFP. Chemical Society Reviews, 2009, 38, 2821.	18.7	27
205	Ion Pairs and C₆₀: Simultaneous Guests in Supramolecular Nanotubes. Chemistry - A European Journal, 2010, 16, 81-84.	1.7	27
206	N-isobutyl-trans-2-trans-4-eicosadienamide and other alkaloids of fruits of Piper guineense. Phytochemistry, 1977, 16, 483-485.	1.4	26
207	Recognition of giant cluster anions by a protonated porphyrin trimer: detection by fast-atom bombardment (FAB) mass spectrometry. Journal of the Chemical Society Chemical Communications, 1992, , 946.	2.0	26
208	Amorphous polymer granules. Nature, 1993, 363, 23-23.	13.7	26
209	Synthesis of cyclocholate-capped porphyrins. Journal of the Chemical Society Perkin Transactions 1, 1995, , 3085.	0.9	26
210	Complexation of Diphenyl(phenylacetenyl)phosphine to Rhodium(III) Tetraphenyl Porphyrins:Â Synthesis and Structural, Spectroscopic, and Thermodynamic Studies. Inorganic Chemistry, 2003, 42, 3086-3096.	1.9	26
211	Biomimetic, amorphous granules of polyhydroxyalkanoates: composition, mobility, and stabilization in vitro by proteins. Canadian Journal of Microbiology, 1995, 41, 115-123.	0.8	25
212	Hydrogen-Bonding Clusters Leading to Formation of Supramolecular Dimers of Metalloporphyrin Receptors: Modulation of Lewis Acidity by Ï€-Ï€ Interactions. Chemistry - A European Journal, 2000, 6, 2112-2119.	1.7	25
213	Dynamic synthesis of a macrocycle containing a porphyrin and an electron donor. Chemical Communications, 2005, , 1842.	2.2	25
214	Gel-phase HR-MAS 1H NMR spectroscopy as a probe for solid-tethered diimide rotaxanes and catenanes. New Journal of Chemistry, 2006, 30, 861.	1.4	25
215	Monitoring the thermodynamically-controlled formation of diimide-based resin-attached rotaxanes by gel-phase HR MAS1H NMR spectroscopy. Organic and Biomolecular Chemistry, 2008, 6, 278-286.	1.5	25
216	Crown-ether- and porphyrin-attached gel-phase resins in thermodynamically controlled rotaxane assembly. Organic and Biomolecular Chemistry, 2009, 7, 293-303.	1.5	25

#	Article	IF	Citations
217	Enzyme models: design and selection. Current Opinion in Chemical Biology, 1997, 1, 483-490.	2.8	24
218	A Tin(IV)â^'Ruthenium(II)â^'Tin(IV) Cyclic Porphyrin Trimer with Replaceable Chiral Linings. Inorganic Chemistry, 2000, 39, 5920-5929.	1.9	24
219	Phosphine and Phosphonite Complexes of a Ru(II) Porphyrin. 2. Photophysical and Electrochemical Studies. Inorganic Chemistry, 2002, 41, 5269-5275.	1.9	24
220	Biosynthetic studies using carbon-13-COSY: the Klebsiella K3 serotype polysaccharide. Journal of the American Chemical Society, 1989, 111, 5132-5137.	6.6	23
221	Tailored Polymerâ€Supported Templates in Dynamic Combinatorial Libraries: Simultaneous Selection, Amplification and Isolation of Synthetic Receptors. Chemistry - A European Journal, 2008, 14, 9006-9019.	1.7	23
222	A self-assembled aluminium(<scp>iii</scp>) porphyrin cyclic trimer. Dalton Transactions, 2008, , 588-590.	1.6	23
223	The solution conformation of 17Î±-acetoxy-6Î±-methylprogesterone (â€˜medroxyprogesterone acetateâ€™) : use of circular dichroism, nuclear overhauser effect difference and two-dimensional J spectroscopy. Journal of the Chemical Society Perkin Transactions II, 1982, , 105-110.	0.9	22
224	Strukturgerichtete Synthese unter thermodynamischer Kontrolle: makrocyclische Trimere aus Chinaâ€Alkaloiden. Angewandte Chemie, 1996, 108, 2283-2285.	1.6	22
225	Gel-Phase MAS NMR Spectroscopy of a Polymer-Supported Pseudorotaxane and Rotaxane: Receptor Binding to an â€œInertâ€•Polyethylene Glycol Spacer. Angewandte Chemie - International Edition, 2001, 40, 1757-1760.	7.2	22
226	Deprotection, Tethering, and Activation of a One-Legged Metalloporphyrin on a Chemically Active Metal Surface: NEXAFS, Synchrotron XPS, and STM Study of [SAc]Pâ^'Mn(III)Cl on Ag(100). Journal of the American Chemical Society, 2009, 131, 14913-14919.	6.6	22
227	Dynamic combinatorial chemistry with hydrazones: cholate-based building blocks and libraries. Organic and Biomolecular Chemistry, 2010, 8, 1173.	1.5	22
228	Spin-echo methods for resolution control of lanthanide-shifted n.m.r. spectra. Journal of the Chemical Society Chemical Communications, 1981, , 1201.	2.0	21
229	Complexes of aryl-substituted porphyrins and naphthalenediimide (NDI): investigations by synchrotron X-ray diffraction and NMR spectroscopy. Dalton Transactions, 2011, 40, 10833.	1.6	21
230	Supramolecular chemistry of monochiral naphthalenediimides. Organic and Biomolecular Chemistry, 2011, 9, 7547.	1.5	21
231	Indirect negative nuclear Overhauser effects: Observation and applications. Magnetic Resonance in Chemistry, 1982, 18, 122-124.	0.7	20
232	Gel phase MAS 1H NMR as a probe for supramolecular interactions at the solidâ€“liquid interface. Chemical Communications, 1998, , 2267-2268.	2.2	20
233	The Effect of Varying Substituents on the Equilibrium Distribution and Conformation of Macrocyclic SteroidalN-Acyl Hydrazones. Organic Letters, 2000, 2, 1435-1438.	2.4	20
234	Ru(ii) and Rh(iii) porphyrin complexes of primary phosphine-substituted porphyrinsDedicated to the memory of Bhaskar G. Maiya.. New Journal of Chemistry, 2004, 28, 1066.	1.4	20

#	Article	IF	Citations
235	Direct Observation of Surface-Mediated Thioacetyl Deprotection:Â Covalent Tethering of a Thiol-Terminated Porphyrin to the Ag(100) Surface. Journal of the American Chemical Society, 2006, 128, 9578-9579.	6.6	20
236	On the prevalence of smooth polymorphs at the nanoscale: implications for pharmaceuticals. CrystEngComm, 2019, 21, 2203-2211.	1.3	20
237	Phase separation within artificial granules from a blend of polyhydroxybutyrate and polyhydroxyoctanoate: biological implications. Polymer, 1994, 35, 5079-5083.	1.8	19
238	Metal induced folding: synthesis and conformational analysis of the lanthanide complexes of two 44-membered hydrazone macrocycles. Dalton Transactions, 2012, 41, 3780.	1.6	19
239	â€œIn beamâ€•electron impact mass spectrometry: the structure of a bacteriochlorophyll allomer. Tetrahedron Letters, 1980, 21, 1671-1674.	0.7	18
240	Acetaldehyde-enkephalins: structure proof and some conformational deductions from one- and two-dimensional proton nuclear magnetic resonance spectra. Biochemistry, 1981, 20, 3880-3883.	1.2	18
241	Stereochemistry of (â€“)-virantmycin. Journal of the Chemical Society Perkin Transactions 1, 1990, , 409-411.	0.9	18
242	Das Gibbsâ€Energieâ€Profil einer Wirtâ€beschleunigten Dielsâ€Alderâ€Reaktion: die GrÃ¼nde fÃ¼r die exoâ€Selektivität. Angewandte Chemie, 1995, 107, 223-225.	1.6	18
243	Coordination Chemistry of Rh(III) Porphyrins:Â Complexes with Hydrazine, Disulfide, and Diselenide Bridging Ligands. Inorganic Chemistry, 2001, 40, 3217-3221.	1.9	18
244	Quinone-capped porphyrins: n.m.r. studies of static and dynamic stereochemistry and co-ordination properties. Journal of the Chemical Society Perkin Transactions 1, 1982, , 1617.	0.9	17
245	The conformation of vinblastine in solution as determinated by n.O.e. difference spectroscopy. Journal of the Chemical Society Perkin Transactions 1, 1983, , 657.	0.9	17
246	Stereospecific templated synthesis of a triruthenium butadiyne-linked cyclic porphyrin trimer. Journal of the Chemical Society Dalton Transactions, 1997, , 985-990.	1.1	17
247	Interactions between tripodal porphyrin hosts and single walled carbon nanotubes: an experimental and theoretical (DFT) account. Journal of Materials Chemistry, 2008, 18, 2781.	6.7	17
248	New hostâ€“guest chemistry of supramolecular nanotubes. Faraday Discussions, 2010, 145, 205-218.	1.6	17
249	Supramolecular Naphthalenediimide Nanotubes. Topics in Current Chemistry, 2011, 322, 217-260.	4.0	17
250	Ligand-induced conformational switching and allosteric effects in macrocyclic porphyrin dimers. Journal of the Chemical Society Chemical Communications, 1988, , 694.	2.0	16
251	NMR of nature's plastics and spiders' webs: chemistry, physics, or biology?. Chemical Society Reviews, 1993, 22, 1.	18.7	16
252	A convergent approach to unsymmetrical porphyrin oligomers. Journal of the Chemical Society Chemical Communications, 1994, , 2657-2658.	2.0	16

#	Article	IF	Citations
253	Co2(CO)6-induced deformation of alkynes as a reversible modulator of supramolecular interactions: controlling the synthesis of catenanes. Chemical Communications, 1998, , 1749-1749.	2.2	16
254	Towards Synthetic Enzymes Based on Porphyrins and Steroids. , 1992, , 359-374.		16
255	Formaldehyde metabolism by Escherichia coli. Carbon and solvent deuterium incorporation into glycerol, 1,2-propanediol, and 1,3-propanediol. Biochemistry, 1985, 24, 4148-4155.	1.2	15
256	Molecular motion of donorâ€“acceptor catenanes in water. Organic and Biomolecular Chemistry, 2015, 13, 2927-2930.	1.5	15
257	Viologen-capped porphyrins as model photosynthetic systems: intra- and intermolecular Ï€â€“Ï€ interactions. Journal of the Chemical Society Chemical Communications, 1984, , 856-857.	2.0	14
258	Synthesis and conformation of macrocyclic porphyrin dimers with potentially spacious cavities. Journal of the Chemical Society Chemical Communications, 1988, , 692.	2.0	14
259	A clerodane diterpene and other constituents of Croton megalocarpus. Phytochemistry, 1989, 28, 2759-2761.	1.4	14
260	Concise synthesis of a porphyrinâ€“cyclocholate molecular bowl. Journal of the Chemical Society Perkin Transactions 1, 1993, , 1377-1378.	0.9	14
261	Modelling the influence of porphyrin supermacrocycles on the kinetics of bimolecular reactions. Tetrahedron, 1995, 51, 513-526.	1.0	14
262	Detection of boat conformations in the triterpene friedelin by methyl-to-methyl nuclear overhauser enhancements. Journal of the Chemical Society Perkin Transactions 1, 1983, , 181.	0.9	13
263	NMR visualization of free asparagine in potato tissue using adduct formation with [13C]formaldehyde. Phytochemistry, 1986, 25, 1567-1571.	1.4	13
264	Isolation and structure determination of norditerpene dilactones from Podocarpus saligna D. Don. Journal of the Chemical Society Perkin Transactions 1, 1982, , 2589.	0.9	12
265	Investigation of porphyrins and metalloporphyrins by fast atom bombardment mass spectrometry. Analytica Chimica Acta, 1990, 241, 281-287.	2.6	12
266	Self-assembly using dynamic combinatorial chemistry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 1239-1245.	1.6	12
267	N-Alkylation of Pyromellitic Diimide: Solid-State Structure of the 1 : 1 N,Nâ€²-Diethylpyromellitic Diimide/2,6-Dimethoxynaphthalene Cocrystal. Australian Journal of Chemistry, 1998, 51, 441.	0.5	12
268	Secondary deuterium isotope effect on Lewis basicity: tris(dipivaloylmethanato)-europium as a simple and effective probe. Journal of the Chemical Society Chemical Communications, 1972, , 436.	2.0	11
269	A molecular switch for control of conformation: strained intramolecular co-ordination in 4,4â€²-bipyridyl-capped zinc porphyrins. Journal of the Chemical Society Chemical Communications, 1984, , 854-856.	2.0	11
270	Reductive demetallation of porphyrins: Evidence for peripheral and axial modes of reduction. Tetrahedron Letters, 1986, 27, 1201-1204.	0.7	11

#	Article	IF	Citations
271	Macrolactone-based dynamic combinatorial libraries of cholate monomers bearing recognition functionality. Tetrahedron Letters, 2000, 41, 10171-10174.	0.7	11
272	Liquid phase deposition of supramolecular monolayers of zinc porphyrin molecules on graphite. Journal of Physics Condensed Matter, 2003, 15, S3127-S3138.	0.7	11
273	In vivo proton NMR spectroscopy. FEBS Letters, 1984, 170, 73-75.	1.3	10
274	Nuclear magnetic resonance relaxation studies of poly(hydroxybutyrate) in whole cells and in artificial granules. International Journal of Biological Macromolecules, 1994, 16, 59-63.	3.6	10
275	13C CPMAS NMR spectroscopy as a probe for porphyrinâ€“porphyrin and hostâ€“guest interactions in the solid state. Journal of the Chemical Society Perkin Transactions II, 1998, , 715-724.	0.9	10
276	Ruthenium(ii) and rhodium(iii) porphyrin phosphine complexes: influence of substitution pattern on structure and electronic properties. New Journal of Chemistry, 2011, 35, 2691.	1.4	10
277	Synthesis of a chlorophyll which does not aggregate. Tetrahedron Letters, 1978, 19, 295-298.	0.7	9
278	Symmetrization of proton two-dimensional J spectra. Journal of Magnetic Resonance, 1982, 50, 171-174.	0.5	9
279	Thin-Film Characterization of Neutral Ï€-Associated Assemblies Incorporating Putative Pseudo-Rotaxanes. Langmuir, 1999, 15, 5600-5605.	1.6	9
280	In vivo enzymology: 13 C NMR measurement of a kinetic isotope effect for methanol oxidation in Methylosinus trichosporium OB3b. FEBS Letters, 1987, 216, 4-6.	1.3	8
281	Synthesis and electrochemical properties of some metallated and peripherally substituted porphyrin co-facial dimers. Journal of the Chemical Society Perkin Transactions 1, 1987, , 2395.	0.9	8
282	Assignment of the 13C N.M.R. spectrum of the Klebsiella K3 serotype polysaccharide by COSY spectroscopy. Journal of the Chemical Society Chemical Communications, 1989, , 167.	2.0	8
283	Reliable Mechanochemistry: Protocols for Reproducible Outcomes of Neat and Liquid Assisted Ball-mill Grinding Experiments. Journal of Visualized Experiments, 2018, , .	0.2	8
284	Reactions of 2-ethyl- and 2-benzyl-1,4-naphthoquinone with N-methylcyclohexylamine. Journal of the Chemical Society Perkin Transactions 1, 1972, , 2046.	0.9	7
285	Implications of Thermodynamic Control: Dynamic Equilibrium Under Ball Mill Grinding Conditions. Israel Journal of Chemistry, 0, , .	1.0	7
286	Quantitative reversible one pot interconversion of three crystalline polymorphs by ball mill grinding. CrystEngComm, 2022, 24, 4256-4261.	1.3	7
287	Assignment of metalloporphyrin and chlorophyll nuclear magnetic resonance spectra via spin-lattice relaxation times. Journal of the Chemical Society Chemical Communications, 1976, , 1049.	2.0	6
288	Stereoelectronic effects on anilide conformation. Journal of the Chemical Society Chemical Communications, 1988, , 1537.	2.0	6

#	Article	IF	Citations
289	Enthalpic and entropic contributions to the enhanced binding of pyridine ligands by cyclic metalloporphyrin hosts. Perkin Transactions II RSC, 2001, , 2189-2194.	1.1	6
290	Identification and Isolation of a Receptor for N-Methyl Alkylammonium Salts: Molecular Amplification in a Pseudo-peptide Dynamic Combinatorial Library This work was supported by the Biotechnology and Biological Sciences Research Council (UK), Engineering and Physical Sciences Research Council (UK), Ethyl Corporation (UK), and Fundacion Antorchas and Consejo Nacional de Investigaciones Cientficas y Tecnicas (Argentina).. Angewandte Chemie - International Edition, 2001, 40, 423-428.	7.2	6
291	Meldola medal lecture. N.m.r. spectral change as a probe of chlorophyll chemistry. Chemical Society Reviews, 1977, 6, 467.	18.7	5
292	The suppression of Bloch-Siegert shifts and subtraction artifacts in double-resonance difference spectroscopy. Journal of Magnetic Resonance, 1982, 50, 289-298.	0.5	5
293	NMR study of whole rat bile: the biliary excretion of cefoperazone and benzyl chloride by an isolated perfused rat liver. Journal of Pharmaceutical and Biomedical Analysis, 1995, 13, 723-734.	1.4	5
294	Using Solid Catalysts in Disulfideâ€Based Dynamic Combinatorial Solutionâ€•and Mechanochemistry. ChemSusChem, 2022, 15, .	3.6	5
295	N.M.R. Spectroscopy of metalloporphyrin radical cations. Electron density and aggregation effects. Tetrahedron Letters, 1974, 15, 4543-4546.	0.7	4
296	A simple nuclear magnetic resonance method for the study of stable free radicals. Journal of the Chemical Society Chemical Communications, 1974, , 255.	2.0	4
297	History and Principles of Dynamic Combinatorial Chemistry. , 0, , 1-22.		4
298	Enzyme mimics. Journal of Chemical Sciences, 1994, 106, 983-988.	0.7	4
299	The chlorophyll-a radical-cation: determination of hyperfine coupling constants by nuclear magnetic resonance spectroscopy. Journal of the Chemical Society Chemical Communications, 1976, , 247.	2.0	3
300	NMR study of whole rat bile: the biliary excretion of 4-cyano-N,N-dimethyl aniline by an isolated perfused rat liver and a liver in situ. Journal of Pharmaceutical and Biomedical Analysis, 1995, 13, 735-745.	1.4	3
301	Harmony of the Self-Assembled Spheres. Science, 2010, 328, 1115-1116.	6.0	3
302	Supramolecular Catalysis in Transition. , 1998, 4, 1378.		3
303	The configuration of 1Î±-methyl-5Î±-androstan-3-ones. Journal of the Chemical Society Perkin Transactions 1, 1972, 9, 1219-1220.	0.9	2
304	Reaction of 3-alkyl-2-benzyl-1,4-naphthoquinones with t-butylamine: isolation of epoxides and heterocycles. Journal of the Chemical Society Chemical Communications, 1974, , 143.	2.0	2
305	Diamagnetic relaxation reagents can increase the growth rates and ultimate sizes of nuclear overhauser enhancements. Journal of Magnetic Resonance, 1983, 51, 345-347.	0.5	2
306	A reverse approach to 1H-n.m.r. assignments of bacterial polysaccharides. Carbohydrate Research, 1990, 208, 15-21.	1.1	2

#	Article	IF	Citations
307	Metalloporphyrin Dendrimers with Folding Arms. , 1998, 37, 3020.		2
308	Supramolecular Catalysis in Transition. , 1999, , 273-286.		2
309	Chapter 2. Physical methods and techniques; N.M.R. spectroscopy. Annual Reports on the Progress of Chemistry Section B, 1978, 75, 3.	0.8	1
310	Editing of in vivo 13C NMR spectra by NOE difference spectroscopy. Separation of trehalose and polysaccharide responses in Methylobacterium extorquens. Journal of Magnetic Resonance, 1987, 74, 372-375.	0.5	1
311	Synchrotron X-ray study of [5,15-diphenyl-2,8,12,18-tetra-n-hexyl-3,7,13,17-tetramethylporphyrinato]nickel(II). Acta Crystallographica Section E: Structure Reports Online, 2003, 59, m818-m820.	0.2	1
312	Supramolecular Libraries. , 2004, , 1427-1433.		1
313	Editorial January 2016. Royal Society Open Science, 2016, 3, 150712.	1.1	1
314	Reviewers in 2016. Royal Society Open Science, 2017, 4, 170299.	1.1	1
315	Reviewers in 2018. Royal Society Open Science, 2019, 6, 190238.	1.1	1
316	Launching science, society and policy. Royal Society Open Science, 2021, 8, 210438.	1.1	1
317	Synthesis, Structure and Photophysics of Neutral Ï€-Associated [2]Catenanes. , 1998, 4, 608.		1
318	NMR Spectroscopy in the Study of C1-Metabolism. , 1987, , 113-120.		1
319	NMR Studies of Molecular Recognition by Metalloporphyrins. , 1999, , 37-44.		1
320	McConnell's Q in metalloporphyrin radical cations. Journal of Magnetic Resonance, 1978, 31, 49-53.	0.5	0
321	Chapter 2. Physical methods and techniques. Part (iii) N.M.R. spectroscopy. Annual Reports on the Progress of Chemistry Section B, 1979, 76, 18.	0.8	0
322	Selective observation of native and modified glutathione in intact erythrocytes by spin-echo decoupling difference 1H NMR spectroscopy. Journal of Magnetic Resonance, 1988, 80, 143-148.	0.5	0
323	Coordination Chemistry of Oligoporphyrins. ChemInform, 2003, 34, no.	0.1	0
324	Inclusion of C60 into an Adjustable Porphyrin Dimer Generated by Dynamic Disulfide Chemistry.. ChemInform, 2005, 36, no.	0.1	0

#	Article	IF	Citations
325	Dynamic Synthesis of a Macrocycle Containing a Porphyrin and an Electron Donor.. ChemInform, 2005, 36, no.	0.1	0
326	Chemistry at large. Materials Today, 2007, 10, 51.	8.3	0
327	Editorial: How Can Change Be Achieved?- Energy Saving in Cambridge. Angewandte Chemie - International Edition, 2013, 52, 10914-10915.	7.2	0
328	Dudley Howard Williams. 25 May 1937 â€" 3 November 2010. Biographical Memoirs of Fellows of the Royal Society, 2017, 63, 567-583.	0.1	0
329	Onwards and upwards: towards a sustainable future. Royal Society Open Science, 2018, 5, 172294.	1.1	0
330	Editorial for â€˜New talentâ€™ collection: introducing New Talent in chemistry and material science. Royal Society Open Science, 2018, 5, 181141.	1.1	0
331	Reviewers in 2017. Royal Society Open Science, 2018, 5, 180228.	1.1	0
332	Reviewers in 2019. Royal Society Open Science, 2020, 7, 200403.	1.1	0
333	Editorial 2020: Changing publishing and academic culture. Royal Society Open Science, 2020, 7, 192197.	1.1	0
334	Reviewers in 2020. Royal Society Open Science, 2021, 8, 210300.	1.1	0
335	Stereocontrol and Rate Enhancement of a Diels Alder Reaction Within an Unsymmetrical Porphyrin Host. , 1998, , 535-538.		0
336	What has Royal Society Open Science achieved in its first few years?. Royal Society Open Science, 2021, 8, 211838.	1.1	0