Tanya K Ronson

List of Publications by Citations

121 papers	5,061 citations	44 h-index	66 g-index
136 ext. papers	6,253 ext. citations	12.1 avg, IF	6.26 L-index

#	Paper	IF	Citations
121	Metal-organic container molecules through subcomponent self-assembly. *Chemical Communications*, **2013**, 49, 2476-90	5.8	276
120	Functional Capsules via Subcomponent Self-Assembly. *Accounts of Chemical Research*, **2018**, 51, 2423-2436	14.3	248
119	Fast spin-flip enables efficient and stable organic electroluminescence from charge-transfer states. *Nature Photonics*, **2020**, 14, 636-642	33.9	154
118	Two-stage directed self-assembly of a cyclic [3]catenane. *Nature Chemistry*, **2015**, 7, 354-8	17.6	150
117	Luminescent Pt(II)(bipyridyl)(diacetylide) chromophores with pendant binding sites as energy donors for sensitised near-infrared emission from lanthanides: structures and photophysics of Pt(II)/Ln(III) assemblies. *Chemistry - A European Journal*, **2006**, 12, 9299-313	4.8	130
116	Star-burst prisms with cyclotriveratrylene-type ligands: a [Pd6L8]12+ stella octangular structure. *Angewandte Chemie - International Edition*, **2007**, 46, 9086-8	16.4	115
115	Stellated polyhedral assembly of a topologically complicated Pd4L4 Solomon cube. *Nature Chemistry*, **2009**, 1, 212-6	17.6	114
114	Ligand Aspect Ratio as a Decisive Factor for the Self-Assembly of Coordination Cages. *Journal of the American Chemical Society*, **2016**, 138, 2046-54	16.4	103
113	Separation and Selective Formation of Fullerene Adducts within an M(II)(8)L(6) Cage. *Journal of the American Chemical Society*, **2017**, 139, 75-78	16.4	97
112	Design and Applications of Water-Soluble Coordination Cages. *Chemical Reviews*, **2020**, 120, 13480-13544	68.1	90
111	Guest-induced transformation of a porphyrin-edged Fe(II)4L6 capsule into a Cu(I)Fe(II)2L4 fullerene receptor. *Angewandte Chemie - International Edition*, **2015**, 54, 3988-92	16.4	87
110	Selective Anion Extraction and Recovery Using a Fe L Cage. *Angewandte Chemie - International Edition*, **2018**, 57, 3717-3721	16.4	83
109	Design Principles for the Optimization of Guest Binding in Aromatic-Paneled FeL Cages. *Journal of the American Chemical Society*, **2017**, 139, 9698-9707	16.4	82
108	Luminescent complexes of Re(I) and Ru(II) with appended macrocycle groups derived from 5,6-dihydroxyphenanthroline: cation and anion binding. *Dalton Transactions*, **2005**, 528-36	4.3	78
107	Selective encapsulation and sequential release of guests within a self-sorting mixture of three tetrahedral cages. *Angewandte Chemie - International Edition*, **2014**, 53, 4556-60	16.4	76
106	Pyrene-edged Fe(II)4L6 cages adaptively reconfigure during guest binding. *Journal of the American Chemical Society*, **2014**, 136, 15615-24	16.4	76
105	Cation- and anion-exchanges induce multiple distinct rearrangements within metallosupramolecular architectures. *Journal of the American Chemical Society*, **2014**, 136, 9491-8	16.4	76

104	High-fidelity stereochemical memory in a Fe(II)4L4 tetrahedral capsule. *Journal of the American Chemical Society*, **2013**, 135, 17999-8006	16.4	76
103	Signal transduction in a covalent post-assembly modification cascade. *Nature Chemistry*, **2017**, 9, 1276-1281	21.6	74
102	Anion Binding in Water Drives Structural Adaptation in an Azaphosphatrane-Functionalized FeL Tetrahedron. *Journal of the American Chemical Society*, **2017**, 139, 6574-6577	16.4	70
101	Designed enclosure enables guest binding within the 4200 Å^3 cavity of a self-assembled cube. *Angewandte Chemie - International Edition*, **2015**, 54, 5636-40	16.4	67
100	Size-selective encapsulation of hydrophobic guests by self-assembled M4L6 cobalt and nickel cages. *Chemistry - A European Journal*, **2013**, 19, 3374-82	4.8	66
99	M3L2 metallo-cryptophanes: [2]catenane and simple cages. *Chemical Communications*, **2011**, 47, 6560-2	5.8	66
98	A self-assembled [Fe(II)12L12] capsule with an icosahedral framework. *Angewandte Chemie - International Edition*, **2013**, 52, 9027-30	16.4	65
97	Post-assembly Modification of Tetrazine-Edged Fe(II)4L6 Tetrahedra. *Journal of the American Chemical Society*, **2015**, 137, 10068-71	16.4	64
96	An antiaromatic-walled nanospace. *Nature*, **2019**, 574, 511-515	50.4	63
95	Transformations within a network of cadmium architectures. *Angewandte Chemie - International Edition*, **2013**, 52, 1017-21	16.4	62
94	An Octanuclear Metallosupramolecular Cage Designed To Exhibit Spin-Crossover Behavior. *Angewandte Chemie - International Edition*, **2017**, 56, 4930-4935	16.4	59
93	Peripheral Templation Generates an M(II) 6 L4 Guest-Binding Capsule. *Angewandte Chemie - International Edition*, **2016**, 55, 7958-62	16.4	59
92	Catenation and encapsulation induce distinct reconstitutions within a dynamic library of mixed-ligand ZnL cages. *Chemical Science*, **2016**, 7, 2614-2620	9.4	59
91	Solvent effects upon guest binding and dynamics of a Fe(II)4L4 cage. *Journal of the American Chemical Society*, **2014**, 136, 14545-53	16.4	59
90	Post-assembly modification of kinetically metastable Fe(II)2L3 triple helicates. *Journal of the American Chemical Society*, **2014**, 136, 8201-4	16.4	59
89	Bidirectional regulation of halide binding in a heterometallic supramolecular cube. *Angewandte Chemie - International Edition*, **2013**, 52, 13439-43	16.4	58
88	Metal–organic cages for molecular separations. *Nature Reviews Chemistry*, **2021**, 5, 168-182	34.6	58
87	Symmetry breaking in self-assembled M4L6 cage complexes. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 10531-5	11.5	55

86	Stacking Interactions Drive Selective Self-Assembly and Self-Sorting of Pyrene-Based M(II)4L6 Architectures. *Journal of the American Chemical Society*, **2015**, 137, 14502-12	16.4	53
85	Enantiopure [Cs/Xe?Cryptophane]?FeL Hierarchical Superstructures. *Journal of the American Chemical Society*, **2019**, 141, 8339-8345	16.4	52
84	Sequence-Dependent Guest Release Triggered by Orthogonal Chemical Signals. *Journal of the American Chemical Society*, **2016**, 138, 2342-51	16.4	52
83	Polynuclear lanthanide complexes of a series of bridging ligands containing two tridentate N,NR,O-donor units: structures and luminescence properties. *Dalton Transactions*, **2007**, 1006-22	4.3	50
82	Perfluorinated Ligands Induce Meridional Metal Stereochemistry to Generate M8L12, M10L15, and M12L18 Prisms. *Journal of the American Chemical Society*, **2016**, 138, 6813-21	16.4	49
81	Pathway-Dependent Post-assembly Modification of an Anthracene-Edged M(II)4L6 Tetrahedron. *Journal of the American Chemical Society*, **2016**, 138, 10417-20	16.4	49
80	Tuning the Redox Properties of Fullerene Clusters within a Metal-Organic Capsule. *Journal of the American Chemical Society*, **2017**, 139, 11008-11011	16.4	47
79	The dimeric "hand-shake" motif in complexes and metallo-supramolecular assemblies of cyclotriveratrylene-based ligands. *Chemistry - A European Journal*, **2008**, 14, 10286-96	4.8	47
78	Covalent Post-assembly Modification Triggers Multiple Structural Transformations of a Tetrazine-Edged FeL Tetrahedron. *Journal of the American Chemical Society*, **2018**, 140, 9616-9623	16.4	45
77	Bis-bidentate bridging ligands containing two N,O-chelating pyrazolyl-phenolate units; double helical complexes with Co(II), Cu(II) and Zn(II). *Inorganica Chimica Acta*, **2005**, 358, 1943-1954	2.7	44
76	Blockable Zn L Ion Channels through Subcomponent Self-Assembly. *Angewandte Chemie - International Edition*, **2017**, 56, 15388-15392	16.4	43
75	Subcomponent Flexibility Enables Conversion between D4-Symmetric Cd(II)8L8 and T-Symmetric Cd(II)4L4 Assemblies. *Journal of the American Chemical Society*, **2016**, 138, 1812-5	16.4	42
74	Palladium-templated subcomponent self-assembly of macrocycles, catenanes, and rotaxanes. *Angewandte Chemie - International Edition*, **2014**, 53, 10701-5	16.4	42
73	Chain-reaction anion exchange between metal-organic cages. *Journal of the American Chemical Society*, **2013**, 135, 5678-84	16.4	42
72	Chemical signals turn on guest binding through structural reconfiguration of triangular helicates. *Angewandte Chemie - International Edition*, **2013**, 52, 11273-7	16.4	40
71	Bow-tie metallo-cryptophanes from a carboxylate derived cavitand. *Chemical Communications*, **2011**, 47, 176-8	5.8	40
70	Infrared Spectroscopic Study of Calcium and Phosphate Ion Coadsorption and of Brushite Crystallization on TiO2. *Langmuir*, **2002**, 18, 5019-5022	4	39
69	Tripodal 4-pyridyl-derived host ligands and their metallo-supramolecular chemistry: stella octangula and bowl-shaped assemblies. *Inorganic Chemistry*, **2010**, 49, 675-85	5.1	36

68	Selective Separation of Polyaromatic Hydrocarbons by Phase Transfer of Coordination Cages. *Journal of the American Chemical Society*, **2019**, 141, 18949-18953	16.4	36
67	Waterproof architectures through subcomponent self-assembly. *Chemical Science*, **2019**, 10, 2006-2018	9.4	35
66	Extended 36 and 63 arrays of capsule motifs using ligand tris{4-(3-pyridyl)phenylester}cyclotriguaiacylene. *CrystEngComm*, **2008**, 10, 1731	3.3	34
65	Cooperative loading and release behavior of a metal-organic receptor. *Journal of the American Chemical Society*, **2015**, 137, 1770-3	16.4	33
64	Subtle Ligand Modification Inverts Guest Binding Hierarchy in M(II)8L6 Supramolecular Cubes. *Journal of the American Chemical Society*, **2016**, 138, 7264-7	16.4	33
63	Post-assembly Modification of Phosphine Cages Controls Host-Guest Behavior. *Journal of the American Chemical Society*, **2019**, 141, 6837-6842	16.4	31
62	Selective Anion Extraction and Recovery Using a FeII4L4 Cage. *Angewandte Chemie*, **2018**, 130, 3779-3783	3.6	31
61	Metal and Organic Templates Together Control the Size of Covalent Macrocycles and Cages. *Journal of the American Chemical Society*, **2019**, 141, 12147-12158	16.4	31
60	Predicting paramagnetic 1H NMR chemical shifts and state-energy separations in spin-crossover host-guest systems. *Physical Chemistry Chemical Physics*, **2014**, 16, 10620-8	3.6	31
59	Temperature Controls Guest Uptake and Release from ZnL Tetrahedra. *Journal of the American Chemical Society*, **2019**, 141, 14534-14538	16.4	29
58	Carbon dioxide fixation and sulfate sequestration by a supramolecular trigonal bipyramid. *Angewandte Chemie - International Edition*, **2015**, 54, 11122-7	16.4	29
57	Mixed ligand helicates and mesocates. *New Journal of Chemistry*, **2006**, 30, 26-28	3.6	29
56	Empirical and theoretical insights into the structural features and host-guest chemistry of M8L4 tube architectures. *Journal of the American Chemical Society*, **2014**, 136, 3972-80	16.4	28
55	Designed Enclosure Enables Guest Binding Within the 4200 Å3 Cavity of a Self-Assembled Cube. *Angewandte Chemie*, **2015**, 127, 5728-5732	3.6	28
54	Redox-adaptable copper hosts. Pyridazine-linked cryptands accommodate copper in a range of redox States. *Inorganic Chemistry*, **2003**, 42, 2764-73	5.1	28
53	An -Symmetric 5-Fold Interlocked [2]Catenane. *Journal of the American Chemical Society*, **2020**, 142, 10267-10272	16.4	27
52	Copper coordination polymers from cavitand ligands: hierarchical spaces from cage and capsule motifs, and other topologies. *Chemical Science*, **2015**, 6, 5779-5792	9.4	25
51	Transformations within a Network of Cadmium Architectures. *Angewandte Chemie*, **2013**, 125, 1051-1055	3.6	24

50	Guest-Induced Transformation of a Porphyrin-Edged FeII4L6 Capsule into a CuIFeII2L4 Fullerene Receptor. *Angewandte Chemie*, **2015**, 127, 4060-4064	3.6	23
49	Improved Acid Resistance of a Metal-Organic Cage Enables Cargo Release and Exchange between Hosts. *Angewandte Chemie - International Edition*, **2020**, 59, 7435-7438	16.4	21
48	Transformation Network Culminating in a Heteroleptic CdLLRTwisted Trigonal Prism. *Journal of the American Chemical Society*, **2020**, 142, 9152-9157	16.4	21
47	Selective Encapsulation and Sequential Release of Guests Within a Self-Sorting Mixture of Three Tetrahedral Cages. *Angewandte Chemie*, **2014**, 126, 4644-4648	3.6	21
46	A Self-Assembled [FeII12L12] Capsule with an Icosahedral Framework. *Angewandte Chemie*, **2013**, 125, 9197-9200	3.6	21
45	Reversible reduction drives anion ejection and C binding within an Fe L cage. *Chemical Science*, **2019** , 11, 1097-1101	9.4	21
44	Peripheral Templation Generates an MII6L4 Guest-Binding Capsule. *Angewandte Chemie*, **2016**, 128, 8090-8094	3.6	20
43	Anion Pairs Template a Trigonal Prism with Disilver Vertices. *Journal of the American Chemical Society*, **2019**, 141, 11409-11413	16.4	18
42	Controlled Access to Mixed-Metal Pyridazine-Linked Cryptates. *European Journal of Inorganic Chemistry*, **2004**, 2004, 2570-2584	2.3	18
41	Multiple-Porphyrin Functionalized Hexabenzocoronenes. *Chemistry - A European Journal*, **2019**, 25, 15083-15090	4.3	16
40	Different Modes of Anion Response Cause Circulatory Phase Transfer of a Coordination Cage with Controlled Directionality. *Angewandte Chemie - International Edition*, **2019**, 58, 12497-12501	16.4	16
39	A Cavity-Tailored Metal-Organic Cage Entraps Gases Selectively in Solution and the Amorphous Solid State. *Angewandte Chemie - International Edition*, **2021**, 60, 11789-11792	16.4	16
38	Mutual stabilisation between ML tetrahedra and MX metallate guests. *Chemical Science*, **2015**, 6, 3533-3537	9.4	15
37	New coordination polymers with extended arm cyclotriguaiacylene ligands: 1D chains, and interpenetrating or polycatenating 2D (4(2).6(2))(4.6(2))2 networks. *Dalton Transactions*, **2011**, 40, 12217-27	4.3	15
36	Lanthanide coordination polymers with pyridyl-N-oxide or carboxylate functionalised host ligands. *CrystEngComm*, **2014**, 16, 3688-3693	3.3	14
35	Ein achtkerniger metallosupramolekularer Würfel mit Spin-Crossover-Eigenschaften. *Angewandte Chemie*, **2017**, 129, 5012-5017	3.6	13
34	Selective endo and exo binding of mono- and ditopic ligands to a rhomboidal diporphyrin prism. *Angewandte Chemie - International Edition*, **2015**, 54, 7539-43	16.4	13
33	AuCl-bound -heterocyclic carbene ligands form MII4(LAuCl) integrally gilded cages. *Chemical Science*, **2015**, 6, 7326-7331	9.4	13

32	Bidirectional Regulation of Halide Binding in a Heterometallic Supramolecular Cube. *Angewandte Chemie*, **2013**, 125, 13681-13685	3.6	13
31	Mononuclear and Polynuclear Chain Complexes of a Series of Multinucleating N/S Donor Ligands. *European Journal of Inorganic Chemistry*, **2005**, 2005, 4533-4549	2.3	13
30	La and Zn Cooperatively Template a Metal-Organic Capsule. *Journal of the American Chemical Society*, **2020**, 142, 19856-19861	16.4	13
29	Glucose Binding Drives Reconfiguration of a Dynamic Library of Urea-Containing Metal-Organic Assemblies. *Angewandte Chemie - International Edition*, **2021**, 60, 4485-4490	16.4	13
28	Blockable Zn10L15 Ion Channels through Subcomponent Self-Assembly. *Angewandte Chemie*, **2017**, 129, 15590-15594	3.6	12
27	Palladium-Templated Subcomponent Self-Assembly of Macrocycles, Catenanes, and Rotaxanes. *Angewandte Chemie*, **2014**, 126, 10877-10881	3.6	12
26	Controlling the shape and chirality of an eight-crossing molecular knot. *CheM*, **2021**, 7, 1534-1543	16.2	12
25	Metallo-cryptophane cages from cis-linked and trans-linked strategies. *Supramolecular Chemistry*, **2018**, 30, 255-266	1.8	10
24	Selective Anion Binding Drives the Formation of AgL and AgL Six-Stranded Helicates. *Journal of the American Chemical Society*, **2021**, 143, 664-670	16.4	9
23	Sterics and Hydrogen Bonding Control Stereochemistry and Self-Sorting in BINOL-Based Assemblies. *Journal of the American Chemical Society*, **2021**, 143, 9009-9015	16.4	9
22	A Tris(3-pyridyl)stannane as a Building Block for Heterobimetallic Coordination Polymers and Supramolecular Cages. *Chemistry - A European Journal*, **2019**, 25, 14003-14009	4.8	8
21	A curved host and second guest cooperatively inhibit the dynamic motion of corannulene. *Nature Communications*, **2021**, 12, 4079	17.4	8
20	Improved Acid Resistance of a Metal□Organic Cage Enables Cargo Release and Exchange between Hosts. *Angewandte Chemie*, **2020**, 132, 7505-7508	3.6	7
19	Carbon Dioxide Fixation and Sulfate Sequestration by a Supramolecular Trigonal Bipyramid. *Angewandte Chemie*, **2015**, 127, 11274-11279	3.6	6
18	Glucose Binding Drives Reconfiguration of a Dynamic Library of Urea-Containing Metal□Organic Assemblies. *Angewandte Chemie*, **2021**, 133, 4535-4540	3.6	6
17	Different Modes of Anion Response Cause Circulatory Phase Transfer of a Coordination Cage with Controlled Directionality. *Angewandte Chemie*, **2019**, 131, 12627-12631	3.6	5
16	Chemical Signals Turn On Guest Binding through Structural Reconfiguration of Triangular Helicates. *Angewandte Chemie*, **2013**, 125, 11483-11487	3.6	5
15	Synthesis and structures of cadmium(II) complexes of a series of multinucleating N/S donor ligands. *Polyhedron*, **2007**, 26, 2777-2785	2.7	5

14	Coordination chemistry of a tris-bidentate bridging ligand: a 2-D coordination network and a T-symmetry hexanuclear coordination cage. *CrystEngComm*, **2006**, 8, 497	3.3	5
13	Dual stimuli-induced formation of a □-hydroxido bridged [ZnL(□-OH)] half-pipe. *Chemical Science*, **2016**, 7, 1702-1706	9.4	4
12	Reactions of Cp2M (M = Ni, V) with dilithium diamido-aryl reagents; retention and oxidation of the transition metal ions. *Dalton Transactions*, **2013**, 42, 13923-30	4.3	4
11	Post-Assembly Reactivity of N-Aryl Iminoboronates: Reversible Radical Coupling and Unusual B-N Dynamic Covalent Chemistry. *Chemistry - A European Journal*, **2018**, 24, 12000-12005	4.8	4
10	Coordination Cages Selectively Transport Molecular Cargoes Across Liquid Membranes. *Journal of the American Chemical Society*, **2021**, 143, 12175-12180	16.4	4
9	Selective Endo and Exo Binding of Mono- and Ditopic Ligands to a Rhomboidal Diporphyrin Prism. *Angewandte Chemie*, **2015**, 127, 7649-7653	3.6	3
8	A family of diastereomeric dodecanuclear coordination cages based on inversion of chirality of individual triangular cyclic helicate faces. *Chemical Science*, **2020**, 11, 10167-10174	9.4	3
7	Trigonal (-3) symmetry octahedral lanthanide(III) complexes of zwitterionic tripodal ligands: luminescence and magnetism. *Supramolecular Chemistry*, **2016**, 28, 125-140	1.8	2
6	A Cavity-Tailored Metal-Organic Cage Entraps Gases Selectively in Solution and the Amorphous Solid State. *Angewandte Chemie*, **2021**, 133, 11895-11898	3.6	2
5	Frontispiece: An Octanuclear Metallosupramolecular Cage Designed To Exhibit Spin-Crossover Behavior. *Angewandte Chemie - International Edition*, **2017**, 56,	16.4	1
4	Dynamic optimization of guest binding in a library of diastereomeric heteroleptic coordination cages. *CheM*, **2022**, 8, 557-568	16.2	1
3	Anion-Coordination-Driven Assembly of Anionic Hexagonal and Square Architectures and the Structural Interconversion. *CCS Chemistry*,1990-1999	7.2	1
2	Innenr□cktitelbild: Designed Enclosure Enables Guest Binding Within the 4200 Å³ Cavity of a Self-Assembled Cube (Angew. Chem. 19/2015). *Angewandte Chemie*, **2015**, 127, 5887-5887	3.6	
1	Innentitelbild: Peripheral Templation Generates an MII6L4 Guest-Binding Capsule (Angew. Chem. 28/2016). *Angewandte Chemie*, **2016**, 128, 7996-7996	3.6	