

Charles N Moorefield

List of Publications by Year in descending order

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43
papers

3,010
citations

218677

26
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223800

46
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all docs

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docs citations

47
times ranked

2083
citing authors

#	ARTICLE	IF	CITATIONS
1	Eight-membered and larger rings. <i>Progress in Heterocyclic Chemistry</i> , 2021, 33, 583-598.	0.5	1
2	Route to Useful Metallomonomers: Step-Wise Construction of Bimetallic Triangles by Site-Specific Metalation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 153-158.	3.7	3
3	Sierpiński Pyramids by Molecular Entanglement. <i>Journal of the American Chemical Society</i> , 2020, 142, 5526-5530.	13.7	13
4	Concentration dependent supramolecular interconversions of triptycene-based cubic, prismatic, and tetrahedral structures. <i>Dalton Transactions</i> , 2018, 47, 14189-14194.	3.3	15
5	A Long Pathway to the Quantitative Assembly of Metallodendrimers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 360-368.	3.7	11
6	Supramolecular arrays by the self-assembly of terpyridine-based monomers with transition metal ions. <i>Dalton Transactions</i> , 2018, 47, 7528-7533.	3.3	11
7	Amphiphilic [tpy-MII-tpy] metallotriangles: synthesis, characterisation and hierarchical ordering. <i>Supramolecular Chemistry</i> , 2017, 29, 69-79.	1.2	8
8	Terpyridine-Based, Flexible Tripods: From a Highly Symmetric Nanosphere to Temperature-Dependent, Irreversible, 3D Isomeric Macromolecular Nanocages. <i>Journal of the American Chemical Society</i> , 2017, 139, 3012-3020.	13.7	56
9	Self-assembly of a supramolecular hexagram and a supramolecular pentagram. <i>Nature Communications</i> , 2017, 8, 15476.	12.8	53
10	Supercharged, Precise, Megametallo-dendrimers via a Single-Step, Quantitative, Assembly Process. <i>Journal of the American Chemical Society</i> , 2017, 139, 15652-15655.	13.7	37
11	Stepwise, multicomponent assembly of a molecular trapezoid possessing three different metals. <i>Chemical Communications</i> , 2017, 53, 8038-8041.	4.1	10
12	Controlled Interconversion of Superposed-Bistriangles, Octahedron, and Cuboctahedron Cages Constructed Using a Single, Terpyridinyl-Based Poly(terpyridine) and Zn ²⁺ . <i>Journal of the American Chemical Society</i> , 2016, 138, 12344-12347.	13.7	63
13	Programmed Molecular Engineering: Stepwise, Multicomponent Assembly of a Dimetallic Metallotriangulane. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5091-5095.	2.4	15
14	3D helical and 2D rhomboidal supramolecules: stepwise self-assembly and dynamic transformation of terpyridine-based metallo-architectures. <i>Chemical Communications</i> , 2016, 52, 9773-9776.	4.1	21
15	Group 8 Metallomacrocycles – Synthesis, Characterization, and Stability. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5662-5668.	2.0	13
16	Precise Molecular Fission and Fusion: Quantitative Self-Assembly and Chemistry of a Metallo-Cuboctahedron. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9224-9229.	13.8	93
17	Directed flexibility: self-assembly of a supramolecular tetrahedron. <i>Chemical Communications</i> , 2015, 51, 3820-3823.	4.1	25
18	Multicomponent reassembly of terpyridine-based materials: quantitative metallomacrocyclic rearrangement. <i>Chemical Communications</i> , 2015, 51, 12851-12854.	4.1	18

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19	Facile thermodynamic conversion of a linear metallopolymer into a self-assembled hexameric metallomacrocycle. <i>Chemical Communications</i> , 2015, 51, 5766-5769.	4.1	40
20	From 1 $\hat{\text{A}}$ ' 3 dendritic designs to fractal supramacromolecular constructs: understanding the pathway to the Sierpiński gasket. <i>Chemical Society Reviews</i> , 2015, 44, 3954-3967.	38.1	138
21	Towards Molecular Construction Platforms: Synthesis of a Metallotricyclic Spirane Based on Bis(2,2':6''-terpyridine)Ru ^{II} Connectivity. <i>Chemistry - A European Journal</i> , 2014, 20, 11291-11294.	3.3	26
22	Probing a Hidden World of Molecular Self-Assembly: Concentration-Dependent, Three-Dimensional Supramolecular Interconversions. <i>Journal of the American Chemical Society</i> , 2014, 136, 18149-18155.	13.7	104
23	One-Step Multicomponent Self-Assembly of a First-Generation Sierpiński Triangle: From Fractal Design to Chemical Reality. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12182-12185.	13.8	87
24	Construction of a Highly Symmetric Nanosphere via a One-Pot Reaction of a Tristerpyridine Ligand with Ru(II). <i>Journal of the American Chemical Society</i> , 2014, 136, 8165-8168.	13.7	80
25	Self-Assembly of a Supramolecular, Three-Dimensional, Spoked, Bicycle-Like Wheel. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7728-7731.	13.8	81
26	Perylene-Based Bis-, Tetrakis-, and Hexakis(terpyridine) Ligands and Their Ruthenium(II)-Bis(terpyridine) Complexes: Synthesis and Photophysical Properties. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3640-3644.	2.4	18
27	Stable, trinuclear Zn(ii)- and Cd(ii)-metallocycles: TWIM-MS, photophysical properties, and nanofiber formation. <i>Dalton Transactions</i> , 2012, 41, 11573.	3.3	39
28	From supramolecular triangle to heteroleptic rhombus: a simple bridge can make a difference. <i>Chemical Communications</i> , 2012, 48, 9873.	4.1	45
29	Stoichiometric Self-Assembly of Isomeric, Shape-Persistent, Supramacromolecular Bowtie and Butterfly Structures. <i>Journal of the American Chemical Society</i> , 2012, 134, 7672-7675.	13.7	100
30	Stoichiometric Self-Assembly of Shape-Persistent 2D Complexes: A Facile Route to a Symmetric Supramacromolecular Spoked Wheel. <i>Journal of the American Chemical Society</i> , 2011, 133, 11450-11453.	13.7	147
31	Design, Synthesis, and Traveling Wave Ion Mobility Mass Spectrometry Characterization of Iron(II)- and Ruthenium(II)-Terpyridine Metallomacrocycles. <i>Journal of the American Chemical Society</i> , 2011, 133, 11967-11976.	13.7	158
32	Hexameric Palladium(II) Terpyridyl Metallomacrocycles: Assembly with 4,4'-bipyridine and Characterization by TWIM Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6539-6544.	13.8	70
33	Dendrimer-Metallomacrocycle Composites: Nanofiber Formation by Multion Pairing. <i>Advanced Materials</i> , 2008, 20, 1381-1385.	21.0	36
34	Effect of Ionic Binding on the Self-Diffusion of Anionic Dendrimers and Hydrophilic Polymers in Aqueous Systems as Studied by Pulsed Gradient NMR Techniques. <i>Macromolecules</i> , 2007, 40, 3644-3649.	4.8	15
35	TerpyridineCuII Polycarboxylate Crystal Reorganization to One- and Two-Dimensional Nanostructures: Crystal Disassembly and Reassembly. <i>Crystal Growth and Design</i> , 2006, 6, 1563-1565.	3.0	23
36	Nanoassembly of a Fractal Polymer: A Molecular "Sierpinski Hexagonal Gasket". <i>Science</i> , 2006, 312, 1782-1785.	12.6	285

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37	Metallo-dendrimers: Fractals and Photonics. ACS Symposium Series, 2006, , 186-204.	0.5	5
38	Syntheses of New 1st (2 + 1)C-Branched Monomers for the Construction of Multifunctional Dendrimers. Macromolecules, 2003, 36, 4345-4354.	4.8	30
39	Hexagonal Terpyridine-Ruthenium and Iron Macrocylic Complexes by Stepwise and Self-Assembly Procedures. Chemistry - A European Journal, 2002, 8, 2946.	3.3	118
40	Self- and Directed Assembly of Hexaruthenium Macrocylics. Angewandte Chemie - International Edition, 1999, 38, 3717-3721.	13.8	116
41	Routes to Dendritic Networks: Bis-Dendrimers by Coupling of Cascade Macromolecules through Metal Centers. Angewandte Chemie International Edition in English, 1995, 34, 2023-2026.	4.4	204
42	Metallomicellanols: incorporation of ruthenium(II)-2,2':6''-terpyridine triads into cascade polymers. Journal of the Chemical Society Chemical Communications, 1993, .	2.0	143
43	Unimolecular Micelles. Angewandte Chemie International Edition in English, 1991, 30, 1178-1180.	4.4	380