

# Mark J Maclachlan

## List of Publications by Citations

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256  
papers

14,616  
citations

62  
h-index

113  
g-index

282  
ext. papers

15,909  
ext. citations

9.5  
avg, IF

6.96  
L-index

#	Paper	IF	Citations
256	Periodic mesoporous organosilicas with organic groups inside the channel walls. <i>Nature</i> , <b>1999</b> , 402, 867-874	37.4	1535
255	Sustainable carbon materials. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 250-90	58.5	826
254	Free-standing mesoporous silica films with tunable chiral nematic structures. <i>Nature</i> , <b>2010</b> , 468, 422-5	50.4	723
253	Periodic mesoporous organosilicas, PMOs: fusion of organic and inorganic chemistry inside the channel walls of hexagonal mesoporous silica. <i>Chemical Communications</i> , <b>1999</b> , 2539-2540	5.8	356
252	Functional materials from cellulose-derived liquid-crystal templates. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2888-910	16.4	269
251	Responsive photonic hydrogels based on nanocrystalline cellulose. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8912-6	16.4	266
250	Shaped ceramics with tunable magnetic properties from metal-containing polymers. <i>Science</i> , <b>2000</b> , 287, 1460-3	33.3	245
249	Novel bifunctional periodic mesoporous organosilicas, BPMOs: synthesis, characterization, properties and in-situ selective hydroboration-alcoholysis reactions of functional groups. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 8520-30	16.4	244
248	Highly stable keto-enamine salicylideneanilines. <i>Organic Letters</i> , <b>2003</b> , 5, 3823-6	6.2	229
247	Non-aqueous supramolecular assembly of mesostructured metal germanium sulphides from (Ge4S10)4 clusters. <i>Nature</i> , <b>1999</b> , 397, 681-684	50.4	228
246	The development of chiral nematic mesoporous materials. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 1088-96	24.9	223
245	Metamorphic Channels in Periodic Mesoporous Methylene-silica This work was supported by the NSERC of Canada. M.J.M. is grateful to NSERC for postgraduate (1995-1999) and postdoctoral fellowships (1999-2001). G.A.O. thanks the Killam Foundation for the award of an Isaac Walton Killam research fellowship (1995-1997). <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 1808-1811	16.4	208
244	Chiral nematic mesoporous carbon derived from nanocrystalline cellulose. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 10991-5	16.4	186
243	lptycenes in supramolecular and materials chemistry. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 3301-15	58.5	185
242	Flexible and iridescent chiral nematic mesoporous organosilica films. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 867-70	16.4	172
241	Ion-induced tubular assembly of conjugated Schiff-base macrocycles. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 5307-10	16.4	164
240	Structure and transformation of tactoids in cellulose nanocrystal suspensions. <i>Nature Communications</i> , <b>2016</b> , 7, 11515	17.4	156

239	New nanocomposites: putting organic function 'inside' the channel walls of periodic mesoporous silica. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 1751-1755		147
238	Chiral nematic assemblies of silver nanoparticles in mesoporous silica thin films. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3728-31	16.4	145
237	Supramolecular assembly of zinc salphen complexes: access to metal-containing gels and nanofibers. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7980-3	16.4	142
236	Flexible mesoporous photonic resins with tunable chiral nematic structures. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8921-4	16.4	137
235	Hard templating of nanocrystalline titanium dioxide with chiral nematic ordering. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6886-90	16.4	132
234	Supramolecular assembly and coordination-assisted deaggregation of multimetallic macrocycles. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4178-82	16.4	127
233	Metallocavitands: an emerging class of functional multimetallic host molecules. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 871-90	58.5	126
232	Responsive mesoporous photonic cellulose films by supramolecular cotemplating. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8880-4	16.4	125
231	New (Inter)Faces: Polymers and Inorganic Materials. <i>Advanced Materials</i> , <b>2000</b> , 12, 675-681	24	116
230	Unwinding a spiral of cellulose nanocrystals for stimuli-responsive stretchable optics. <i>Nature Communications</i> , <b>2019</b> , 10, 510	17.4	113
229	Oriented Periodic Mesoporous Organosilica (PMO) Film with Organic Functionality Inside the Channel Walls. <i>Advanced Functional Materials</i> , <b>2001</b> , 11, 213-217	15.6	112
228	Writing on the wall with a new synthetic quill. <i>Chemistry - A European Journal</i> , <b>2000</b> , 6, 2507-11	4.8	112
227	Conjugated shape-persistent macrocycles via Schiff-base condensation: New motifs for supramolecular chemistry. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 873-888	2.1	109
226	Synthesis and metalation of novel fluorescent conjugated macrocycles. <i>Organic Letters</i> , <b>2004</b> , 6, 3841-4	6.2	103
225	Biopolymer Templated Glass with a Twist: Controlling the Chirality, Porosity, and Photonic Properties of Silica with Cellulose Nanocrystals. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 327-338	15.6	99
224	Iridescent Chiral Nematic Cellulose Nanocrystal/Polymer Composites Assembled in Organic Solvents.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 1016-1020	6.6	98
223	Triptycene-based metal salphens--exploiting intrinsic molecular porosity for gas storage. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 11824-8	4.8	97
222	Heptametallic bowl-shaped complexes derived from conjugated Schiff-base macrocycles: synthesis, characterization, and X-ray crystal structures. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 5248-50	5.1	97

- 221 Superparamagnetic Ceramic Nanocomposites: Synthesis and Pyrolysis of Ring-Opened Poly(ferrocenylsilanes) inside Periodic Mesoporous Silica. *Journal of the American Chemical Society*, **2000**, 122, 3878-3891 16.4 97
- 220 CdS Quantum Dots Encapsulated in Chiral Nematic Mesoporous Silica: New Iridescent and Luminescent Materials. *Advanced Functional Materials*, **2014**, 24, 777-783 15.6 96
- 219 Genesis of nanostructured, magnetically tunable ceramics from the pyrolysis of cross-linked polyferrocenylsilane networks and formation of shaped macroscopic objects and micron scale patterns by micromolding inside silicon wafers. *Journal of the American Chemical Society*, **2002**, 124, 2625-39 16.4 94
- 218 Schiff Base Complexes in Macromolecules. *Journal of Inorganic and Organometallic Polymers and Materials*, **2007**, 17, 57-89 3.2 92
- 217 Coordination Compounds of Schiff-Base Ligands Derived from Diaminomaleonitrile (DMN): Mononuclear, Dinuclear, and Macrocyclic Derivatives. *Inorganic Chemistry*, **1996**, 35, 5492-5499 5.1 90
- 216 Ring-Opening Polymerization of a [1]Silaferrrocenophane Within the Channels of Mesoporous Silica: Poly(ferrocenylsilane)-MCM-41 Precursors to Magnetic Iron Nanostructures. *Advanced Materials*, **1998**, 10, 144-149 24 84
- 215 Metal-containing nanofibers via coordination chemistry. *Coordination Chemistry Reviews*, **2010**, 254, 2363-2390 3.2 83
- 214 Synthesis, structure, and computational studies of soluble conjugated multidentate macrocycles. *Journal of Organic Chemistry*, **2005**, 70, 7936-46 4.2 83
- 213 Chiral nematic cellulose-gold nanoparticle composites from mesoporous photonic cellulose. *Chemical Communications*, **2015**, 51, 530-3 5.8 82
- 212 Tunable mesoporous bilayer photonic resins with chiral nematic structures and actuator properties. *Advanced Materials*, **2014**, 26, 2323-8 24 79
- 211 Zinc carboxylate cluster formation in conjugated metallomacrocycles: evidence for templation. *Inorganic Chemistry*, **2008**, 47, 101-12 5.1 78
- 210 Imprinting of Photonic Patterns with Thermosetting Amino-Formaldehyde-Cellulose Composites. *ACS Macro Letters*, **2013**, 2, 818-821 6.6 75
- 209 Prussian blue nanocontainers: selectively permeable hollow metal-organic capsules from block ionomer emulsion-induced assembly. *Journal of the American Chemical Society*, **2011**, 133, 8420-3 16.4 75
- 208 Tuning the iridescence of chiral nematic cellulose nanocrystals and mesoporous silica films by substrate variation. *Chemical Communications*, **2013**, 49, 11296-8 5.8 74
- 207 Capsule formation, carboxylate exchange, and DFT exploration of cadmium cluster metallocavitands: highly dynamic supramolecules. *Journal of the American Chemical Society*, **2010**, 132, 3893-908 16.4 74
- 206 Robust non-interpenetrating coordination frameworks from new shape-persistent building blocks. *Inorganic Chemistry*, **2006**, 45, 1442-4 5.1 72
- 205 Hydrothermal Gelation of Aqueous Cellulose Nanocrystal Suspensions. *Biomacromolecules*, **2016**, 17, 2747-54 6.9 72
- 204 Mesoporous nitrogen-doped carbon from nanocrystalline chitin assemblies. *Journal of Materials Chemistry A*, **2014**, 2, 5915 13 71

203	N-salicylideneanilines: tautomers for formation of hydrogen-bonded capsules, clefts, and chains. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 775-88	4.2	71
202	Understanding the Self-Assembly of Cellulose Nanocrystals-Toward Chiral Photonic Materials. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905876	24	71
201	Chiral nematic stained glass: controlling the optical properties of nanocrystalline cellulose-templated materials. <i>Langmuir</i> , <b>2012</b> , 28, 17256-62	4	68
200	Mesostructured Metal Germanium Sulfides. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 12005-12017	12.4	66
199	Tautomerization in naphthalenediimines: a keto-enamine Schiff base macrocycle. <i>Organic Letters</i> , <b>2005</b> , 7, 4827-30	6.2	65
198	Mesostructured prussian blue analogues. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 511-4	16.4	64
197	Synthesis and structural investigation of new triptycene-based ligands: en route to shape-persistent dendrimers and macrocycles with large free volume. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 8683-90	4.2	63
196	Reversible-irreversible approach to Schiff base macrocycles: access to isomeric macrocycles with multiple salphen pockets. <i>Organic Letters</i> , <b>2008</b> , 10, 1255-8	6.2	63
195	Photonic patterns printed in chiral nematic mesoporous resins. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 4304-8	16.4	62
194	[6 + 6] Schiff-base macrocycles with 12 imines: giant analogues of cyclohexane. <i>Chemical Communications</i> , <b>2006</b> , 2480-2	5.8	62
193	Campestarenes: novel shape-persistent Schiff base macrocycles with 5-fold symmetry. <i>Chemical Communications</i> , <b>2011</b> , 47, 1169-71	5.8	61
192	Large, Crack-Free Freestanding Films with Chiral Nematic Structures. <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 295-299	8.1	60
191	Rotaxanated conjugated sensory polymers. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 8638-9	16.4	60
190	Organometallic Gels: Characterization and Electrochemical Studies of Swellable, Thermally Crosslinked Poly(ferrocenylsilane)s. <i>Macromolecular Chemistry and Physics</i> , <b>2001</b> , 202, 1768-1775	2.6	60
189	Cellulose Nanocrystal Elastomers with Reversible Visible Color. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 226-231	16.4	60
188	Tactoid Annealing Improves Order in Self-Assembled Cellulose Nanocrystal Films with Chiral Nematic Structures. <i>Langmuir</i> , <b>2018</b> , 34, 646-652	4	57
187	Thermal switching of the reflection in chiral nematic mesoporous organosilica films infiltrated with liquid crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 6854-9	9.5	57
186	Chiroptical, morphological and conducting properties of chiral nematic mesoporous cellulose/polypyrrole composite films. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19184-19194	13	57

185	Tetraalkoxyphenanthrene: a new precursor for luminescent conjugated polymers. <i>Organic Letters</i> , <b>2006</b> , 8, 1855-8	6.2	57
184	Novel route to periodic mesoporous aminosilicas, PMAs: ammonolysis of periodic mesoporous organosilicas. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 11662-73	16.4	57
183	Transparent Depolarizing Organic and Inorganic Films for Optics and Sensors. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606083	24	56
182	Stable and sensitive stimuli-responsive anisotropic hydrogels for sensing ionic strength and pressure. <i>Materials Horizons</i> , <b>2018</b> , 5, 1076-1081	14.4	56
181	Columnar organization of head-to-tail self-assembled Pt <sub>4</sub> rings. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7668-75	16.4	56
180	Biomimetic Chiral Nematic Mesoporous Materials from Crab Cuticles. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 1031-1037	8.1	54
179	Mesoporous Mn- and La-doped cerium oxide/cobalt oxide mixed metal catalysts for methane oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 11460-6	9.5	54
178	Poly(salphenyleneethynylene)s: A New Class of Soluble, Conjugated, Metal-Containing Polymers. <i>Macromolecules</i> , <b>2003</b> , 36, 5051-5054	5.5	53
177	Synthesis, Structures, and Properties of Strained Spirocyclic [1]Sila- and [1]Germaferrocenophanes and Tetraferrocenylsilane. <i>Organometallics</i> , <b>1998</b> , 17, 1873-1883	3.8	53
176	Polymer and Mesoporous Silica Microspheres with Chiral Nematic Order from Cellulose Nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12460-4	16.4	50
175	Mesochemistry. <i>Current Opinion in Colloid and Interface Science</i> , <b>1998</b> , 3, 181-193	7.6	50
174	Mesoporous Silica-Supported Nanostructured PdO/CeO Catalysts for Low-Temperature Methane Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 477-487	9.5	49
173	Palladium nanoparticles supported on a triptycene-based microporous polymer: highly active catalysts for CO oxidation. <i>Chemical Communications</i> , <b>2013</b> , 49, 8928-30	5.8	49
172	Optically tunable chiral nematic mesoporous cellulose films. <i>Soft Matter</i> , <b>2015</b> , 11, 4686-94	3.6	48
171	Poly(salphenyleneethynylene)s: soluble, conjugated metallopolymers that exhibit unique supramolecular crosslinking behavior. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1923		46
170	Capsule formation in novel cadmium cluster metallocavitands. <i>Chemical Communications</i> , <b>2007</b> , 4480-2	5.8	45
169	Synthesis, characterization, and ring-opening polymerization of a novel [1]silaferrocenophane with two ferrocenyl substituents at silicon. <i>Polyhedron</i> , <b>2000</b> , 19, 275-289	2.7	44
168	CO <sub>2</sub> -Switchable Cellulose Nanocrystal Hydrogels. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 376-385	9.6	42

167	Nonlinear Optical Properties of Schiff-Base-Containing Conductive Polymer Films Electro-deposited in Microgravity. <i>Advanced Materials</i> , <b>2008</b> , 20, 2280-2284	24	42
166	Sequential Hydroboration-Alcoholysis and Epoxidation-Ring Opening Reactions of Vinyl Groups in Mesoporous Vinylsilica. <i>Advanced Functional Materials</i> , <b>2001</b> , 11, 447	15.6	42
165	Synthesis of metal sulfide materials with controlled architecture. <i>Current Opinion in Solid State and Materials Science</i> , <b>1999</b> , 4, 113-121	12	42
164	Synthesis and structures of novel luminescent bent acenedithiophenes. <i>Organic Letters</i> , <b>2007</b> , 9, 3571-3	6.2	41
163	Mild and selective reduction of imines: formation of an unsymmetrical macrocycle. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 8739-44	4.2	41
162	Ion-Induced Tubular Assembly of Conjugated Schiff-Base Macrocycles. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 5465-5468	3.6	41
161	Ring-opening protonolysis of sila[1]ferrocenophanes as a route to stabilized silylium ions. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 1989-2000	4.8	41
160	Aerogel materials with periodic structures imprinted with cellulose nanocrystals. <i>Nanoscale</i> , <b>2018</b> , 10, 3805-3812	7.7	40
159	Coordination chemistry: new routes to mesostructured materials. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 6552-9	4.8	40
158	Portraits of Porosity: Porous Structures Based on Metal Salen Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 17-30	2.3	38
157	Soluble Prussian blue nanoworms from the assembly of metal-organic block ionomers. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1597-602	16.4	38
156	Fibrous aggregates from dinuclear zinc(II) salphen complexes. <i>Dalton Transactions</i> , <b>2010</b> , 39, 7310-9	4.3	38
155	Supramolecular assembly of carbohydrate-functionalized salphen-metal complexes. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 13456-65	4.8	38
154	Chiral Nematic Mesoporous Carbon Derived From Nanocrystalline Cellulose. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11183-11187	3.6	37
153	Cationic guest inclusion in widemouthed Schiff base macrocycles. <i>Chemical Communications</i> , <b>2009</b> , 5695-7	3.8	37
152	A rotaxane exciplex. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 9180-1	16.4	37
151	Pressure-Responsive Hierarchical Chiral Photonic Aerogels. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808186	24	36
150	Synthesis, Characterization, and Properties of Symmetrically Substituted, Ring-Opened Poly(ferrocenylalkoxy/aryloxysilanes). <i>Macromolecules</i> , <b>1998</b> , 31, 5977-5983	5.5	36

149	Chiroptical luminescent nanostructured cellulose films. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 979-987	7.8	35
148	Liquid crystal templating of nanomaterials with nature's toolbox. <i>Current Opinion in Colloid and Interface Science</i> , <b>2017</b> , 29, 9-20	7.6	35
147	Photonic Hydrogels from Chiral Nematic Mesoporous Chitosan Nanofibril Assemblies. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2875-2881	15.6	35
146	Spontaneous hierarchical assembly of crown ether-like macrocycles into nanofibers and microfibers induced by alkali-metal and ammonium salts. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 2453-60	4.8	35
145	Ring-Opening Protonolysis of Strained Silicon-Containing Rings: A New Approach to Ions with Silylium Character. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 2126-2127	16.4	35
144	Mesoporous silica and organosilica films templated by nanocrystalline chitin. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 15148-54	4.8	34
143	Liquid crystalline tactoids: ordered structure, defective coalescence and evolution in confined geometries. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	33
142	Unsymmetrical triangular Schiff base macrocycles with cone conformations. <i>Organic Letters</i> , <b>2010</b> , 12, 1020-3	6.2	33
141	Black Titania with Nanoscale Helicity. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904639	15.6	32
140	Ferrocenylsiloxane Chemistry: Synthesis and Characterization of Hexaferrocenylcyclotrisiloxane and Tetraferrocenyldisiloxanediol. <i>Organometallics</i> , <b>1999</b> , 18, 1337-1345	3.8	32
139	Freeze-thaw Gelation of Cellulose Nanocrystals. <i>ACS Macro Letters</i> , <b>2019</b> , 486-491	6.6	31
138	Stimuli-Responsive Anisotropic Materials Based on Unidirectional Organization of Cellulose Nanocrystals in an Elastomer. <i>Macromolecules</i> , <b>2019</b> , 52, 5317-5324	5.5	31
137	Flexible Mesoporous Photonic Resins with Tunable Chiral Nematic Structures. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9089-9092	3.6	30
136	Bimetallic Schiff base complexes: models for conjugated shape-persistent metallopolymers. <i>Dalton Transactions</i> , <b>2009</b> , 5199-210	4.3	30
135	Synthesis and Crystal Structure of $\beta$ -GeS, the First Germanium Sulfide with an Expanded Framework Structure. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 2075-2079	16.4	30
134	Ring-opening addition of hydrogen chloride to monocyclic and spirocyclic [1]ferrocenophanes: a convenient and controlled route to ferrocenylchlorosilanes and germanes. <i>New Journal of Chemistry</i> , <b>1998</b> , 22, 1409-1415	3.6	30
133	SCHIFF BASE MACROCYCLES: RELIABLE TEMPLATES FOR MULTINUCLEAR METALLOCAVITANDS. <i>Comments on Inorganic Chemistry</i> , <b>2008</b> , 29, 26-45	3.9	29
132	CdS-decorated triptycene-based polymer: durable photocatalysts for hydrogen production under visible-light irradiation. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 3368-3374	5.5	28



131	Biotemplated Lightweight $\gamma$ -Alumina Aerogels. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1602-1609	9.6	28
130	Adsorptive removal of Congo red by surfactant modified cellulose nanocrystals: a kinetic, equilibrium, and mechanistic investigation. <i>Cellulose</i> , <b>2020</b> , 27, 3211-3232	5.5	27
129	Supramolecular Assembly and Coordination-Assisted Deaggregation of Multimetallic Macrocycles. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4250-4254	3.6	27
128	Spirocyclic [1]Ferrocenophanes: Novel Cross-Linking Agents for Ring-Opened Poly(ferrocenes). <i>Macromolecules</i> , <b>1996</b> , 29, 8562-8564	5.5	27
127	Fabrication of Cellulose Nanocrystal Films through Differential Evaporation for Patterned Coatings. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3098-3104	5.6	26
126	Molecular Scaffolding of Prussian Blue Analogues Using a Phenanthroline-Extended Triptycene Ligand. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 4551-4558	3.5	26
125	Chiral nematic porous germania and germanium/carbon films. <i>Nanoscale</i> , <b>2015</b> , 7, 13215-23	7.7	25
124	Near-IR-Sensitive Upconverting Nanostructured Photonic Cellulose Films. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600514	8.1	25
123	Tuning the photonic properties of chiral nematic mesoporous organosilica with hydrogen-bonded liquid-crystalline assemblies. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 1537-1545	7.1	25
122	Liquid-crystal templating in ammonia: a facile route to micro- and mesoporous metal nitride/carbon composites. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9740-3	16.4	25
121	Magnesiothermic Reduction of Thin Films: Towards Semiconducting Chiral Nematic Mesoporous Silicon Carbide and Silicon Structures. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2175-2181	15.6	24
120	Conjugated thiophene-containing oligoacenes through photocyclization: bent acenedithiophenes and a thiahelicene. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 4918-26	4.2	24
119	Social and antisocial [3 + 3] Schiff base macrocycles with isomeric backbones. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 8069-72	4.2	24
118	Hard Templating of Nanocrystalline Titanium Dioxide with Chiral Nematic Ordering. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6992-6996	3.6	23
117	Anion-templated hexagonal nanotubes. <i>Chemical Science</i> , <b>2015</b> , 6, 6245-6249	9.4	22
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