Mark J Maclachlan

List of Publications by Year in Descending Order

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	Manipulating the Self-Assembly of Multicomponent Low Molecular Weight Gelators (LMWGs) through Molecular Design.. *ChemPlusChem*, **2022**, e202200026	2.8	1
255	Chiral Nematic Cellulose Nanocrystal/Germania and Carbon/Germania Composite Aerogels as Supercapacitor Materials. *Chemistry of Materials*, **2021**, 33, 5197-5209	9.6	4
254	Fe-chitosan complexes for oxidative degradation of emerging contaminants in water: Structure, activity, and reaction mechanism. *Journal of Hazardous Materials*, **2021**, 408, 124662	12.8	6
253	Concentric chiral nematic polymeric fibers from cellulose nanocrystals. *Nanoscale Advances*, **2021**, 3, 5111-5121	5.1	2
252	Diverse binding of cationic guests by highly substituted [3 + 3] Schiff-base macrocycles. *Organic Chemistry Frontiers*, **2021**, 8, 1437-1446	5.2	2
251	Exploring the Tunable Optical and Mechanical Properties of Multicomponent Low-Molecular-Weight Gelators. *Langmuir*, **2021**, 37, 105-114	4	3
250	Contemporary macrocycles for discrete polymetallic complexes: precise control over structure and function. *Chemical Society Reviews*, **2021**, 50, 10713-10732	58.5	7
249	Tuning the photonic properties of graphene oxide suspensions with nanostructured additives. *Nanoscale*, **2021**, 13, 7558-7565	7.7	2
248	Chromic Platinum Complexes Containing Multidentate Ligands. *European Journal of Inorganic Chemistry*, **2021**, 2021, 894-906	2.3	7
247	Sustainable biochars from carbonization of cellulose filaments and nanocrystals. *Bioresource Technology Reports*, **2021**, 100838	4.1	0
246	Thermal annealing of iridescent cellulose nanocrystal films. *Carbohydrate Polymers*, **2021**, 272, 118468	10.3	5
245	Biomimetic photonic materials derived from chitin and chitosan. *Journal of Materials Chemistry C*, **2021**, 9, 796-817	7.1	17
244	Synthesis of Chiral Nematic Mesoporous Metal and Metal Oxide Nanocomposites and their Use as Heterogeneous Catalysts. *European Journal of Inorganic Chemistry*, **2020**, 2020, 3937-3943	2.3	6
243	Direct observation of muonium reacting with uncapped gold nanoparticles in porous silica and nature of the final state. *Journal of Chemical Physics*, **2020**, 152, 184706	3.9	0
242	Innentitelbild: Structural Elucidation of Selective Solvatochromism in a Responsive-at-Metal Cyclometalated Platinum(II) Complex (Angew. Chem. 26/2020). *Angewandte Chemie*, **2020**, 132, 10286-10286	3.6	
241	Structural Elucidation of Selective Solvatochromism in a Responsive-at-Metal Cyclometalated Platinum(II) Complex. *Angewandte Chemie*, **2020**, 132, 10434-10438	3.6	0
240	CoCr2O4 nanospheres for low temperature methane oxidation. *CrystEngComm*, **2020**, 22, 4404-4415	3.3	5

239	Structural Elucidation of Selective Solvatochromism in a Responsive-at-Metal Cyclometalated Platinum(II) Complex. *Angewandte Chemie - International Edition*, **2020**, 59, 10348-10352	16.4	10
238	Tunable Diffraction Gratings from Biosourced Lyotropic Liquid Crystals. *Advanced Materials*, **2020**, 32, e1907376	24	18
237	PdO Nanoparticles Supported on MnO2 Nanowire Aerogels as Catalysts for Low-Temperature Methane Combustion. *ACS Applied Nano Materials*, **2020**, 3, 6972-6978	5.6	8
236	Iridescent Cellulose Nanocrystal Films Modified with Hydroxypropyl Cellulose. *Biomacromolecules*, **2020**, 21, 1295-1302	6.9	20
235	Host□Guest Chemistry Within Cellulose Nanocrystal Gel Receptors. *Angewandte Chemie*, **2020**, 132, 4735-4740	3.6	0
234	Host-Guest Chemistry Within Cellulose Nanocrystal Gel Receptors. *Angewandte Chemie - International Edition*, **2020**, 59, 4705-4710	16.4	8
233	Adsorptive removal of Congo red by surfactant modified cellulose nanocrystals: a kinetic, equilibrium, and mechanistic investigation. *Cellulose*, **2020**, 27, 3211-3232	5.5	27
232	Retrieving the Coassembly Pathway of Composite Cellulose Nanocrystal Photonic Films from their Angular Optical Response. *Advanced Materials*, **2020**, 32, e1906889	24	20
231	Cellulose Nanocrystal Elastomers with Reversible Visible Color. *Angewandte Chemie*, **2020**, 132, 232-237	3.6	11
230	Cellulose Nanocrystal Elastomers with Reversible Visible Color. *Angewandte Chemie - International Edition*, **2020**, 59, 226-231	16.4	60
229	Guest-conditioned multicolor writing on cellulose nanocrystal canvases. *Materials Advances*, **2020**, 1, 2536-2541	3.3	1
228	Biomimetic Mesoporous Cobalt Ferrite/Carbon Nanoflake Helices for Freestanding Lithium-Ion Battery Anodes. *ChemistrySelect*, **2020**, 5, 8207-8217	1.8	4
227	Thermal Degradation of Cellulose Filaments and Nanocrystals. *Biomacromolecules*, **2020**, 21, 3374-3386	6.9	22
226	Amino Acid-Containing Phase-Selective Organogelators: A Water-Based Delivery System for Oil Spill Treatment. *ACS Omega*, **2020**, 5, 18758-18765	3.9	8
225	Understanding the Self-Assembly of Cellulose Nanocrystals-Toward Chiral Photonic Materials. *Advanced Materials*, **2020**, 32, e1905876	24	71
224	Ligand-modulated ring-expansion. *Chemical Communications*, **2019**, 55, 1245-1248	5.8	1
223	Unwinding a spiral of cellulose nanocrystals for stimuli-responsive stretchable optics. *Nature Communications*, **2019**, 10, 510	17.4	113
222	Chiral Photonic Aerogels: Pressure-Responsive Hierarchical Chiral Photonic Aerogels (Adv. Mater. 21/2019). *Advanced Materials*, **2019**, 31, 1970153	24	1

221	Post-modification of Cellulose Nanocrystal Aerogels with Thiol-Ene Click Chemistry. *Biomacromolecules*, **2019**, 20, 2779-2785	6.9	16
220	Self-Assembly of Two-Dimensional Colloids in Spherical Space. *Journal of Physical Chemistry C*, **2019**, 123, 17049-17055	3.8	3
219	Self-Assembly Route to TiO2 and TiC with a Liquid Crystalline Order. *Chemistry of Materials*, **2019**, 31, 2174-2181	9.6	20
218	Liquid Crystalline Tactoidal Microphases in Ferrofluids: Spatial Positioning and Orientation by Magnetic Field Gradients. *CheM*, **2019**, 5, 681-692	16.2	8
217	Pressure-Responsive Hierarchical Chiral Photonic Aerogels. *Advanced Materials*, **2019**, 31, e1808186	24	36
216	Freeze□thaw Gelation of Cellulose Nanocrystals. *ACS Macro Letters*, **2019**, 486-491	6.6	31
215	Disabling Molecular Recognition through Reversible Mechanical Stoppering. *Organic Letters*, **2019**, 21, 1744-1748	6.2	6
214	Black Titania with Nanoscale Helicity. *Advanced Functional Materials*, **2019**, 29, 1904639	15.6	32
213	Stimuli-Responsive Anisotropic Materials Based on Unidirectional Organization of Cellulose Nanocrystals in an Elastomer. *Macromolecules*, **2019**, 52, 5317-5324	5.5	31
212	Open Pentiptycene Networks Assembled through Charge-Assisted Hydrogen Bonds. *Crystal Growth and Design*, **2019**, 19, 4829-4835	3.5	9
211	Studies of Muonium Reactivity with Uncapped Gold Nanoparticles and with Surface-Adsorbed Benzene on These NPs in Porous Silica Hosts. *Journal of Physical Chemistry C*, **2019**, 123, 27628-27642	3.8	2
210	Elasticity and thermal transport of commodity plastics. *Physical Review Materials*, **2019**, 3,	3.2	12
209	Intramolecular Hydrogen Bonds in Normal and Sterically Compressed -Hydroxy Aromatic Aldehydes. Isotope Effects on Chemical Shifts and Hydrogen Bond Strength. *Molecules*, **2019**, 24,	4.8	7
208	Programming permanent and transient molecular protection mechanical stoppering. *Chemical Science*, **2019**, 10, 10422-10427	9.4	5
207	Solid-state Na NMR spectroscopy studies of ordered and disordered cellulose nanocrystal films. *Solid State Nuclear Magnetic Resonance*, **2019**, 97, 31-39	3.1	7
206	Boundary Geometry Effects on the Coalescence of Liquid Crystalline Tactoids and Formation of Topological Defects. *Journal of Physical Chemistry Letters*, **2019**, 10, 278-282	6.4	14
205	Bowtie-Shaped NiCo2O4 Catalysts for Low-Temperature Methane Combustion. *Advanced Functional Materials*, **2019**, 29, 1807519	15.6	22
204	Double Twisted Photonic Honeycomb Frameworks with Mesoporous Structures. *Advanced Optical Materials*, **2019**, 7, 1801275	8.1	6

203	Biotemplated Lightweight Alumina Aerogels. *Chemistry of Materials*, **2018**, 30, 1602-1609	9.6	28
202	Coordination Polymers from Functionalized Bipyrimidine Ligands and Silver(I) Salts. *Crystal Growth and Design*, **2018**, 18, 2210-2216	3.5	2
201	A porous triptycene-based covalent polymer stabilized binary metal sulfide for enhanced hydrogen evolution under visible light. *Chemical Communications*, **2018**, 54, 3391-3394	5.8	20
200	Controlling Ligand Exchange through Macrocyclization. *Inorganic Chemistry*, **2018**, 57, 3243-3253	5.1	8
199	Iridescent Chiral Nematic Mesoporous Organosilicas with Alkylene Spacers. *Advanced Optical Materials*, **2018**, 6, 1800163	8.1	10
198	Bringing Nanotubes into Line. *Angewandte Chemie - International Edition*, **2018**, 57, 4838-4839	16.4	1
197	Size-Selective Exclusion Effects of Liquid Crystalline Tactoids on Nanoparticles: A Separation Method. *Angewandte Chemie*, **2018**, 130, 3418-3423	3.6	2
196	Size-Selective Exclusion Effects of Liquid Crystalline Tactoids on Nanoparticles: A Separation Method. *Angewandte Chemie - International Edition*, **2018**, 57, 3360-3365	16.4	14
195	Aerogel materials with periodic structures imprinted with cellulose nanocrystals. *Nanoscale*, **2018**, 10, 3805-3812	7.7	40
194	Mesoporous Silica-Supported Nanostructured PdO/CeO Catalysts for Low-Temperature Methane Oxidation. *ACS Applied Materials & Interfaces*, **2018**, 10, 477-487	9.5	49
193	Liquid crystalline tactoids: ordered structure, defective coalescence and evolution in confined geometries. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2018**, 376,	3	33
192	Tactoid Annealing Improves Order in Self-Assembled Cellulose Nanocrystal Films with Chiral Nematic Structures. *Langmuir*, **2018**, 34, 646-652	4	57
191	CO2-Switchable Cellulose Nanocrystal Hydrogels. *Chemistry of Materials*, **2018**, 30, 376-385	9.6	42
190	Hydrogen-Bonded Liquid Crystals in Confined Spaces oward Photonic Hybrid Materials. *Advanced Functional Materials*, **2018**, 28, 1800207	15.6	20
189	Mesoporous Cobalt Tungsten Oxide Heterostructured Nanotoroids for Gas Sensing. *Advanced Materials Interfaces*, **2018**, 5, 1800269	4.6	3
188	Aerogel templating on functionalized fibers of nanocellulose networks. *Materials Chemistry Frontiers*, **2018**, 2, 1655-1663	7.8	5
187	Stable and sensitive stimuli-responsive anisotropic hydrogels for sensing ionic strength and pressure. *Materials Horizons*, **2018**, 5, 1076-1081	14.4	56
186	Fabrication of Cellulose Nanocrystal Films through Differential Evaporation for Patterned Coatings. *ACS Applied Nano Materials*, **2018**, 1, 3098-3104	5.6	26

185	Dynamics of Anisotropic Muonium on Silica Surfaces Explained by Monte Carlo Simulation of the Muon Depolarization **2018**,		2
184	Expanded campestarene hosts for tetra- and dinuclear uranyl(vi) complexes. *Chemical Communications*, **2018**, 54, 11869-11872	5.8	9
183	Nanorühren in Reih und Glied. *Angewandte Chemie*, **2018**, 130, 4930-4931	3.6	
182	Broadband Circular Polarizing Film Based on Chiral Nematic Liquid Crystals. *Advanced Optical Materials*, **2018**, 6, 1800412	8.1	22
181	Chiroptical luminescent nanostructured cellulose films. *Materials Chemistry Frontiers*, **2017**, 1, 979-987	7.8	35
180	Liquid crystal templating of nanomaterials with nature's toolbox. *Current Opinion in Colloid and Interface Science*, **2017**, 29, 9-20	7.6	35
179	Transparent Depolarizing Organic and Inorganic Films for Optics and Sensors. *Advanced Materials*, **2017**, 29, 1606083	24	56
178	Self-Assembly of Extended Head-to-Tail Triangular Pt Macrocycles into Nanotubes. *Inorganic Chemistry*, **2017**, 56, 5383-5391	5.1	5
177	Formylation of phenols using formamidine acetate. *Organic and Biomolecular Chemistry*, **2017**, 15, 581-583	3.9	9
176	Tuning the tautomeric behavior of tris(salicylaldimines). *Organic and Biomolecular Chemistry*, **2017**, 15, 8418-8424	3.9	4
175	Photopatterning Freestanding Chiral Nematic Mesoporous Organosilica Films. *Advanced Functional Materials*, **2017**, 27, 1703346	15.6	13
174	Chiroptical, morphological and conducting properties of chiral nematic mesoporous cellulose/polypyrrole composite films. *Journal of Materials Chemistry A*, **2017**, 5, 19184-19194	13	57
173	Near-IR-Sensitive Upconverting Nanostructured Photonic Cellulose Films. *Advanced Optical Materials*, **2017**, 5, 1600514	8.1	25
172	Polymer and Mesoporous Silica Microspheres with Chiral Nematic Order from Cellulose Nanocrystals. *Angewandte Chemie - International Edition*, **2016**, 55, 12460-4	16.4	50
171	The Rich Tautomeric Behavior of Campestarenes. *Chemistry - A European Journal*, **2016**, 22, 17657-17672	4.8	17
170	Structure and transformation of tactoids in cellulose nanocrystal suspensions. *Nature Communications*, **2016**, 7, 11515	17.4	156
169	Photonic Hydrogels from Chiral Nematic Mesoporous Chitosan Nanofibril Assemblies. *Advanced Functional Materials*, **2016**, 26, 2875-2881	15.6	35
168	Photonic metal-polymer resin nanocomposites with chiral nematic order. *Chemical Communications*, **2016**, 52, 7810-3	5.8	9

167	Communication: Chemisorption of muonium on gold nanoparticles: A sensitive new probe of surface magnetism and reactivity. *Journal of Chemical Physics*, **2016**, 145, 181102	3.9	9
166	Chiral nematic mesoporous magnetic ferrites. *Journal of Materials Chemistry C*, **2016**, 4, 11382-11386	7.1	6
165	Polymer and Mesoporous Silica Microspheres with Chiral Nematic Order from Cellulose Nanocrystals. *Angewandte Chemie*, **2016**, 128, 12648-12652	3.6	5
164	Stabilization of a Strained Heteroradialene by Peripheral Electron Delocalization. *Organic Letters*, **2016**, 18, 1840-3	6.2	11
163	Hard Photonic Glasses and Corundum Nanostructured Films from Aluminothermic Reduction of Helicoidal Mesoporous Silicas. *Chemistry of Materials*, **2016**, 28, 2581-2588	9.6	18
162	Magnetic Mesoporous Photonic Cellulose Films. *Langmuir*, **2016**, 32, 9329-34	4	12
161	Hydrothermal Gelation of Aqueous Cellulose Nanocrystal Suspensions. *Biomacromolecules*, **2016**, 17, 2747-54	6.9	72
160	Hard-templating of Prussian blue analogues in mesoporous silica and organosilica. *Dalton Transactions*, **2015**, 44, 14724-31	4.3	13
159	Soluble Tetraaminotriptycene Precursors. *Journal of Organic Chemistry*, **2015**, 80, 8390-7	4.2	15
158	Chiral nematic porous germania and germanium/carbon films. *Nanoscale*, **2015**, 7, 13215-23	7.7	25
157	Deuteration of Aromatic Rings under Very Mild Conditions through Keto-Enamine Tautomeric Amplification. *Journal of Organic Chemistry*, **2015**, 80, 5144-50	4.2	14
156	CdS-decorated triptycene-based polymer: durable photocatalysts for hydrogen production under visible-light irradiation. *Catalysis Science and Technology*, **2015**, 5, 3368-3374	5.5	28
155	Optically tunable chiral nematic mesoporous cellulose films. *Soft Matter*, **2015**, 11, 4686-94	3.6	48
154	Lyotropic liquid crystallinity in mixed-tautomer Schiff-base macrocycles. *Chemical Communications*, **2015**, 51, 16205-8	5.8	14
153	Anion and Cation Effects on Anion-Templated Assembly of Tetrahydroxytriptycene. *Crystal Growth and Design*, **2015**, 15, 5629-5636	3.5	13
152	Nanostructured Materials Prepared by Surface-Assisted Reduction: New Catalysts for Methane Oxidation. *ACS Applied Materials & Interfaces*, **2015**, 7, 19268-73	9.5	12
151	Anion-templated hexagonal nanotubes. *Chemical Science*, **2015**, 6, 6245-6249	9.4	22
150	Functional materials from cellulose-derived liquid-crystal templates. *Angewandte Chemie - International Edition*, **2015**, 54, 2888-910	16.4	269

149	Funktionsmaterialien mit Cellulose-basierten Flüssigkristall-Templaten. *Angewandte Chemie*, **2015**, 127, 2930-2953	3.6	10
148	Chiral nematic cellulose-gold nanoparticle composites from mesoporous photonic cellulose. *Chemical Communications*, **2015**, 51, 530-3	5.8	82
147	Sustainable carbon materials. *Chemical Society Reviews*, **2015**, 44, 250-90	58.5	826
146	Metal organic frameworks from extended, conjugated pentiptycene-based ligands. *CrystEngComm*, **2015**, 17, 4912-4918	3.3	13
145	Magnesiothermic Reduction of Thin Films: Towards Semiconducting Chiral Nematic Mesoporous Silicon Carbide and Silicon Structures. *Advanced Functional Materials*, **2015**, 25, 2175-2181	15.6	24
144	Mesoporous Mn- and La-doped cerium oxide/cobalt oxide mixed metal catalysts for methane oxidation. *ACS Applied Materials & Interfaces*, **2015**, 7, 11460-6	9.5	54
143	Polymer and Carbon Spheres with an Embedded Shell of Plasmonic Gold Nanoparticles. *ACS Macro Letters*, **2015**, 4, 1351-1355	6.6	15
142	Photonic patterns printed in chiral nematic mesoporous resins. *Angewandte Chemie - International Edition*, **2015**, 54, 4304-8	16.4	62
141	Photonic Patterns Printed in Chiral Nematic Mesoporous Resins. *Angewandte Chemie*, **2015**, 127, 4378-4382	3.6	19
140	Layered 2D Sheetlike Supramolecular Polymers Formed by OHIIIAnion Hydrogen Bonds. *Crystal Growth and Design*, **2015**, 15, 1540-1545	3.5	14
139	Tuning the photonic properties of chiral nematic mesoporous organosilica with hydrogen-bonded liquid-crystalline assemblies. *Journal of Materials Chemistry C*, **2015**, 3, 1537-1545	7.1	25
138	Tunable mesoporous bilayer photonic resins with chiral nematic structures and actuator properties. *Advanced Materials*, **2014**, 26, 2323-8	24	79
137	Mesoporous nitrogen-doped carbon from nanocrystalline chitin assemblies. *Journal of Materials Chemistry A*, **2014**, 2, 5915	13	71
136	NMR of guest-host systems: 8CB in chiral nematic porous glasses. *Magnetic Resonance in Chemistry*, **2014**, 52, 532-9	2.1	14
135	Biomimetic Chiral Nematic Mesoporous Materials from Crab Cuticles. *Advanced Optical Materials*, **2014**, 2, 1031-1037	8.1	54
134	Evaluation of form birefringence in chiral nematic mesoporous materials. *Journal of Materials Chemistry C*, **2014**, 2, 5093	7.1	16
133	Responsive mesoporous photonic cellulose films by supramolecular cotemplating. *Angewandte Chemie - International Edition*, **2014**, 53, 8880-4	16.4	125
132	CdS Quantum Dots Encapsulated in Chiral Nematic Mesoporous Silica: New Iridescent and Luminescent Materials. *Advanced Functional Materials*, **2014**, 24, 777-783	15.6	96

131	The development of chiral nematic mesoporous materials. *Accounts of Chemical Research*, **2014**, 47, 1088-96	24.9	223
130	Interaction of the Mu-cyclohexadienyl radical with metallic (Au, Pt) nanoparticles in mesoporous silica. *Journal of Physics: Conference Series*, **2014**, 551, 012044	0.3	1
129	Spin Depolarization of Muonium in Mesoporous Silica. *Journal of Physics: Conference Series*, **2014**, 551, 012006	0.3	4
128	Responsive Mesoporous Photonic Cellulose Films by Supramolecular Cotemplating. *Angewandte Chemie*, **2014**, 126, 9026-9030	3.6	14
127	Biopolymer Templated Glass with a Twist: Controlling the Chirality, Porosity, and Photonic Properties of Silica with Cellulose Nanocrystals. *Advanced Functional Materials*, **2014**, 24, 327-338	15.6	99
126	Responsive photonic hydrogels based on nanocrystalline cellulose. *Angewandte Chemie - International Edition*, **2013**, 52, 8912-6	16.4	266
125	Thermal switching of the reflection in chiral nematic mesoporous organosilica films infiltrated with liquid crystals. *ACS Applied Materials & Interfaces*, **2013**, 5, 6854-9	9.5	57
124	Imprinting of Photonic Patterns with Thermosetting Amino-Formaldehyde-Cellulose Composites. *ACS Macro Letters*, **2013**, 2, 818-821	6.6	75
123	Novel PPV/mesoporous organosilica composites: influence of the host chirality on a conjugated polymer guest. *Langmuir*, **2013**, 29, 12579-84	4	22
122	Flexible mesoporous photonic resins with tunable chiral nematic structures. *Angewandte Chemie - International Edition*, **2013**, 52, 8921-4	16.4	137
121	Iridescent Chiral Nematic Cellulose Nanocrystal/Polymer Composites Assembled in Organic Solvents.. *ACS Macro Letters*, **2013**, 2, 1016-1020	6.6	98
120	Tuning the iridescence of chiral nematic cellulose nanocrystals and mesoporous silica films by substrate variation. *Chemical Communications*, **2013**, 49, 11296-8	5.8	74
119	Metal□organic frameworks from novel flexible triptycene- and pentiptycene-based ligands. *CrystEngComm*, **2013**, 15, 9811	3.3	16
118	Palladium nanoparticles supported on a triptycene-based microporous polymer: highly active catalysts for CO oxidation. *Chemical Communications*, **2013**, 49, 8928-30	5.8	49
117	Towards a self-assembled honeycomb structure via diaminotriptycene metal complexes. *Dalton Transactions*, **2013**, 42, 16474-7	4.3	2
116	Metallocavitands: an emerging class of functional multimetallic host molecules. *Chemical Society Reviews*, **2013**, 42, 871-90	58.5	126
115	Large, Crack-Free Freestanding Films with Chiral Nematic Structures. *Advanced Optical Materials*, **2013**, 1, 295-299	8.1	60
114	Mesoporous silica and organosilica films templated by nanocrystalline chitin. *Chemistry - A European Journal*, **2013**, 19, 15148-54	4.8	34

113	New metal-organic frameworks from triptycene: structural diversity from bulky bridges. *Dalton Transactions*, **2013**, 42, 8026-33	4.3	14
112	Helium ion microscopy: a new tool for imaging novel mesoporous silica and organosilica materials. *Chemical Communications*, **2013**, 49, 1645-7	5.8	22
111	Flexible Mesoporous Photonic Resins with Tunable Chiral Nematic Structures. *Angewandte Chemie*, **2013**, 125, 9089-9092	3.6	30
110	Responsive Photonic Hydrogels Based on Nanocrystalline Cellulose. *Angewandte Chemie*, **2013**, 125, 9080-9084	3.6	22
109	Portraits of Porosity: Porous Structures Based on Metal Salen Complexes. *European Journal of Inorganic Chemistry*, **2012**, 2012, 17-30	2.3	38
108	Self-assembly of a catechol-based macrocycle at the liquid-solid interface: experiments and molecular dynamics simulations. *Physical Chemistry Chemical Physics*, **2012**, 14, 11937-43	3.6	13
107	Unexpected lyotropic liquid crystals from ion-induced columnar assembly of Schiff-base macrocycles. *Canadian Journal of Chemistry*, **2012**, 90, 1056-1062	0.9	9
106	Sterically-limited self-assembly of Pt4 macrocycles into discrete non-covalent nanotubes: porous supramolecular tetramers and hexamers. *Chemistry - A European Journal*, **2012**, 18, 13712-21	4.8	13
105	Flexible and iridescent chiral nematic mesoporous organosilica films. *Journal of the American Chemical Society*, **2012**, 134, 867-70	16.4	172
104	Chiral nematic stained glass: controlling the optical properties of nanocrystalline cellulose-templated materials. *Langmuir*, **2012**, 28, 17256-62	4	68
103	Role of entropy and autosolvation in dimerization and complexation of C60 by Zn7 metallocavitands. *Inorganic Chemistry*, **2012**, 51, 3443-53	5.1	20
102	Hard Templating of Nanocrystalline Titanium Dioxide with Chiral Nematic Ordering. *Angewandte Chemie*, **2012**, 124, 6992-6996	3.6	23
101	Hard templating of nanocrystalline titanium dioxide with chiral nematic ordering. *Angewandte Chemie - International Edition*, **2012**, 51, 6886-90	16.4	132
100	Chiral nematic assemblies of silver nanoparticles in mesoporous silica thin films. *Journal of the American Chemical Society*, **2011**, 133, 3728-31	16.4	145
99	Campestarenes: novel shape-persistent Schiff base macrocycles with 5-fold symmetry. *Chemical Communications*, **2011**, 47, 1169-71	5.8	61
98	Regioselectivity in the nitration of dialkoxybenzenes. *Journal of Organic Chemistry*, **2011**, 76, 1285-94	4.2	19
97	Soluble Prussian Blue Nanoworms from the Assembly of Metallo-Organic Block Ionomers. *Angewandte Chemie*, **2011**, 123, 1635-1640	3.6	8
96	Chiral Nematic Mesoporous Carbon Derived From Nanocrystalline Cellulose. *Angewandte Chemie*, **2011**, 123, 11183-11187	3.6	37

95	Soluble Prussian blue nanoworms from the assembly of metal-organic block ionomers. *Angewandte Chemie - International Edition*, **2011**, 50, 1597-602	16.4	38
94	Chiral nematic mesoporous carbon derived from nanocrystalline cellulose. *Angewandte Chemie - International Edition*, **2011**, 50, 10991-5	16.4	186
93	Molecular Scaffolding of Prussian Blue Analogues Using a Phenanthroline-Extended Triptycene Ligand. *Crystal Growth and Design*, **2011**, 11, 4551-4558	3.5	26
92	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
91	Family of cadmium acetate coordination networks with structurally diverse [Cd4(OAc)9(□-OH)]2- secondary building units. *Inorganic Chemistry*, **2011**, 50, 2957-65	5.1	19
90	Free-standing mesoporous silica films with tunable chiral nematic structures. *Nature*, **2010**, 468, 422-5	50.4	723
89	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
88	Columnar organization of head-to-tail self-assembled Pt4 rings. *Journal of the American Chemical Society*, **2010**, 132, 7668-75	16.4	56
87	Fibrous aggregates from dinuclear zinc(II) salphen complexes. *Dalton Transactions*, **2010**, 39, 7310-9	4.3	38
86	Unsymmetrical triangular Schiff base macrocycles with cone conformations. *Organic Letters*, **2010**, 12, 1020-3	6.2	33
85	Synthesis and characterization of an oligomeric conjugated metal-containing poly(p-phenylenevinylene) analogue. *Dalton Transactions*, **2010**, 39, 6503-8	4.3	9
84	Metal-containing nanofibers via coordination chemistry. *Coordination Chemistry Reviews*, **2010**, 254, 2363-2390	23.3	83
83	Spontaneous hierarchical assembly of crown ether-like macrocycles into nanofibers and microfibers induced by alkali-metal and ammonium salts. *Chemistry - A European Journal*, **2010**, 16, 2453-60	4.8	35
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