

# Charles-Andr Fustin

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115 papers	4,802 citations	38 h-index	63 g-index
122 ext. papers	5,111 ext. citations	6.4 avg, IF	5.54 L-index

#	Paper	IF	Citations
115	Dynamics and Structure of Metallo-supramolecular Polymers Based on Short Telechelic Precursors. <i>Macromolecules</i> , <b>2021</b> , 54, 6400-6416	5.5	2
114	Real-Time Fluctuations in Single-Molecule Rotaxane Experiments Reveal an Intermediate Weak Binding State during Shuttling. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 2348-2352	16.4	9
113	Supramolecular Superparamagnetic Nanocomposites Based on a Magnetite-Filled Unentangled Terpyridine-Functionalized Polymer. <i>Macromolecules</i> , <b>2020</b> , 53, 5361-5370	5.5	3
112	Tunable Interpenetrating Polymer Network Hydrogels Based on Dynamic Covalent Bonds and Metalloligand Bonds. <i>Macromolecules</i> , <b>2020</b> , 53, 6956-6967	5.5	22
111	Linear and Nonlinear Dynamic Behavior of Polymer Micellar Assemblies Connected by Metallo-Supramolecular Interactions. <i>Polymers</i> , <b>2019</b> , 11,	4.5	2
110	Integrating Proteins in Layer-by-Layer Assemblies Independently of their Electrical Charge. <i>ACS Nano</i> , <b>2018</b> , 12, 8372-8381	16.7	31
109	Mechanisms of Crystalloid versus Colloid Osmosis across the Peritoneal Membrane. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2018</b> , 29, 1875-1886	12.7	23
108	Control over the assembly and rheology of supramolecular networks via multi-responsive double hydrophilic copolymers. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 1527-1539	4.9	16
107	Influence of a Single Catenane on the Solid-State Properties of Mechanically Linked Polymers. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 468-472	6.6	12
106	Closer insight into the structure of moderate to densely branched comb polymers by combining modelling and linear rheological measurements. <i>Soft Matter</i> , <b>2017</b> , 13, 1063-1073	3.6	18
105	Decoding the linear viscoelastic properties of model telechelic metallo-supramolecular polymers. <i>Journal of Rheology</i> , <b>2017</b> , 61, 1245-1262	4.1	32
104	Protein-polyelectrolyte complexes to improve the biological activity of proteins in layer-by-layer assemblies. <i>Nanoscale</i> , <b>2017</b> , 9, 17186-17192	7.7	26
103	Photosensitizer localization in amphiphilic block copolymers controls photodynamic therapy efficacy. <i>Nanoscale</i> , <b>2017</b> , 9, 11180-11186	7.7	22
102	Synthesis and Rheology of Bulk Metallo-Supramolecular Polymers from Telechelic Entangled Precursors. <i>Macromolecules</i> , <b>2017</b> , 50, 5165-5175	5.5	28
101	A photocleavable stabilizer for the preparation of PHEMA nanogels by dispersion polymerization in supercritical carbon dioxide. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 581-591	4.9	4
100	How Supramolecular Assemblies Control Dynamics of Associative Polymers: Toward a General Picture. <i>Macromolecules</i> , <b>2016</b> , 49, 1890-1902	5.5	41
99	Catenane-based mechanically-linked block copolymers. <i>Chemical Communications</i> , <b>2016</b> , 52, 2149-52	5.8	12

98	Orthogonal Control of the Dynamics of Supramolecular Gels from Heterotelechelic Associating Polymers. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 1364-1368	6.6	15
97	Stimuli-responsive behavior of micelles prepared from a poly(vinyl alcohol)-block-poly(acrylic acid)-block-poly(4-vinylpyridine) triblock terpolymer. <i>European Polymer Journal</i> , <b>2015</b> , 62, 418-425	5.2	14
96	Advances in colloidal assembly: the design of structure and hierarchy in two and three dimensions. <i>Chemical Reviews</i> , <b>2015</b> , 115, 6265-311	68.1	505
95	Revealing the supramolecular nature of side-chain terpyridine-functionalized polymer networks. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 990-1007	6.3	15
94	Local Molecular Dynamics and Heterogeneity in PEO-NiCl <sub>2</sub> Supramolecular Networks. <i>Macromolecules</i> , <b>2015</b> , 48, 2290-2298	5.5	6
93	Synthesis and self-assembly of terpyridine end-capped poly(N-isopropylacrylamide)-block-poly(2-(dimethylamino)ethyl methacrylate) diblock copolymers. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 610-5	4.8	10
92	Double thermo-responsive hydrogels from poly(vinylcaprolactam) containing diblock and triblock copolymers. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 1856-1864	4.9	20
91	Self-assembly of a triblock terpolymer mediated by hydrogen-bonded complexes. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 459-467	2.5	13
90	Controlling the melt rheology of linear entangled metallo-supramolecular polymers. <i>Soft Matter</i> , <b>2015</b> , 11, 762-74	3.6	26
89	Precise Control over the Rheological Behavior of Associating Stimuli-Responsive Block Copolymer Gels. <i>Gels</i> , <b>2015</b> , 1, 235-255	4.2	11
88	Transient Metallosupramolecular Networks Built from Entangled Melts of Poly(ethylene oxide). <i>Macromolecules</i> , <b>2015</b> , 48, 3746-3755	5.5	12
87	Thermo-responsive properties of metallo-supramolecular block copolymer micellar hydrogels. <i>Soft Matter</i> , <b>2014</b> , 10, 3086-92	3.6	28
86	Probing the mobility of catenane rings in single molecules. <i>Chemical Science</i> , <b>2014</b> , 5, 1449	9.4	41
85	Controlling the Cross-Linking Density of Supramolecular Hydrogels Formed by Heterotelechelic Associating Copolymers. <i>Macromolecules</i> , <b>2014</b> , 47, 4514-4524	5.5	26
84	Functionalized Stimuli-Responsive Nanocages from Photocleavable Block Copolymers. <i>Macromolecules</i> , <b>2014</b> , 47, 183-190	5.5	38
83	Double thermoresponsive di- and triblock copolymers based on N-vinylcaprolactam and N-vinylpyrrolidone: synthesis and comparative study of solution behaviour. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 6534-6544	4.9	30
82	Amphiphilic N-methylimidazole-functionalized diblock copolythiophenes. <i>European Polymer Journal</i> , <b>2014</b> , 53, 206-214	5.2	21
81	Polymer Gels Constructed Through Metal-Ligand Coordination. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2013</b> , 23, 24-40	3.2	56

80	Imidazolium-substituted ionic (co)polythiophenes: Compositional influence on solution behavior and thermal properties. <i>Polymer</i> , <b>2013</b> , 54, 6293-6304	3.9	25
79	Metallo-supramolecular hydrogels based on copolymers bearing terpyridine side-chain ligands. <i>Soft Matter</i> , <b>2013</b> , 9, 2314	3.6	37
78	One-pot controlled synthesis of double thermoresponsive N-vinylcaprolactam-based copolymers with tunable LCSTs. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 2575	4.9	67
77	Pore-functionalized nanoporous materials derived from block copolymers. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 962-82	4.8	28
76	Hydrogels with Dual Relaxation and Two-Step Gel/Sol Transition from Heterotelechelic Polymers. <i>Macromolecules</i> , <b>2013</b> , 46, 9134-9143	5.5	35
75	Thermo-responsive metallo-supramolecular gels based on terpyridine end-functionalized amphiphilic diblock copolymers. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1499, 1		1
74	Structure of Metallo-Supramolecular Micellar Gels. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 1699-1709	2.6	7
73	Nanoporous thin films from ionically connected diblock copolymers. <i>European Polymer Journal</i> , <b>2012</b> , 48, 940-944	5.2	14
72	Functionalized nanoporous thin films from photocleavable block copolymers. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 199-205	4.8	36
71	Amine-functionalized nanoporous thin films from a poly(ethylene oxide)-block-polystyrene diblock copolymer bearing a photocleavable o-nitrobenzyl carbamate junction. <i>Soft Matter</i> , <b>2012</b> , 8, 4486	3.6	28
70	Functionalized nanoporous thin films from metallo-supramolecular diblock copolymers. <i>Langmuir</i> , <b>2012</b> , 28, 3018-23	4	28
69	Supramolecular Aqueous Gels Based on Terpyridine-Modified Pluronic. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 2253-2260	2.6	6
68	Multiresponsive Micellar Systems from Photocleavable Block Copolymers. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 949-953	6.6	35
67	Synthesis and self-assembly of diblock copolymers bearing 2-nitrobenzyl photocleavable side groups. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 599-608	2.5	46
66	Temperature-responsive aqueous micelles from terpyridine end-capped poly(N-isopropylacrylamide)-block-polystyrene diblock copolymers. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 534-9	4.8	21
65	Tuning micellar morphology and rheological behaviour of metallo-supramolecular micellar gels. <i>Soft Matter</i> , <b>2012</b> , 8, 4499	3.6	22
64	A single synthetic small molecule that generates force against a load. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 553-7	28.7	91
63	Rotaxane-Based Mechanically Linked Block Copolymers. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9259-9262	3.6	10

62	Rotaxane-based mechanically linked block copolymers. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9093-6	16.4	45
61	Photo-induced micellization of block copolymers bearing 4,5-dimethoxy-2-nitrobenzyl side groups. <i>Soft Matter</i> , <b>2011</b> , 7, 6891	3.6	33
60	Synthesis of diblock copolymers bearing p-methoxyphenacyl side groups. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 2284	4.9	16
59	Metallo-supramolecular block copolymer micelles: recent achievements. <i>Soft Matter</i> , <b>2011</b> , 7, 3673	3.6	16
58	Organometallic-Mediated Radical Polymerization: Unusual Route toward (Quasi-) Diblock Graft Copolymers Starting from a Mixture of Monomers of Opposed Reactivity. <i>Macromolecules</i> , <b>2011</b> , 44, 4623-4631	5.5	30
57	A versatile strategy for the synthesis of block copolymers bearing a photocleavable junction. <i>Polymer Chemistry</i> , <b>2010</b> , 1, 161-163	4.9	117
56	Ordered nanoporous membranes based on diblock copolymers with high chemical stability and tunable separation properties. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 4333		67
55	Discovering new block terpolymer micellar morphologies. <i>Chemical Communications</i> , <b>2010</b> , 46, 6455-7	5.8	40
54	Metallo-supramolecular diblock copolymers based on heteroleptic cobalt(III) and nickel(II) bis-terpyridine complexes. <i>Chemical Communications</i> , <b>2010</b> , 46, 1296-8	5.8	47
53	Self-Assembly in Thin Films of Mixtures of Block Copolymers and Homopolymers Interacting by Hydrogen Bonds. <i>Macromolecules</i> , <b>2010</b> , 43, 7734-7743	5.5	34
52	Self-Assembly Behavior of Bis(terpyridine) and Metallo-bis(terpyridine) Pluronic in Dilute Aqueous Solutions. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 2323-2330	2.6	24
51	Light-responsive block copolymers. <i>Macromolecular Rapid Communications</i> , <b>2010</b> , 31, 1588-607	4.8	277
50	Multiple micellar morphologies from tri- and tetrablock copoly(2-oxazoline)s in binary water/ethanol mixtures. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 3095-3102	2.5	16
49	Polymeric micelles induced by interpolymer complexation. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 1871-88	4.8	63
48	Solubility behavior of amphiphilic block and random copolymers based on 2-ethyl-2-oxazoline and 2-nonyl-2-oxazoline in binary water/ethanol mixtures. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 515-522	2.5	66
47	Polyelectrolyte complex nanoparticles from N-carboxyethylchitosan and polycationic double hydrophilic diblock copolymers. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 2105-2117	2.5	11
46	Are o-nitrobenzyl (meth)acrylate monomers polymerizable by controlled-radical polymerization?. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 6504-6513	2.5	47
45	Dithioesters and trithiocarbonates monolayers on gold. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2009</b> , 172, 104-106	1.7	25

44	Synthesis and pH-dependent micellization of diblock copolymer mixtures. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 329, 235-43	9.3	43
43	Surface micellization of poly(2-oxazoline)s based copolymers containing a crystallizable block. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 332, 91-5	9.3	7
42	Linear Viscoelastic Rheology of Moderately Entangled Telechelic Polybutadiene Temporary Networks. <i>Macromolecules</i> , <b>2009</b> , 42, 6181-6192	5.5	70
41	Self-Assembly and pH-Responsiveness of ABC Miktoarm Star Terpolymers. <i>Langmuir</i> , <b>2009</b> , 25, 107-11	4	41
40	Connecting micelles by metallo-supramolecular interactions: towards stimuli responsive hierarchical materials. <i>Soft Matter</i> , <b>2009</b> , 5, 3409	3.6	54
39	All-in-one strategy for the fabrication of antimicrobial biomimetic films on stainless steel. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 4117		68
38	A schizophrenic gradient copolymer: switching and reversing poly(2-oxazoline) micelles based on UCST and subtle solvent changes. <i>Soft Matter</i> , <b>2009</b> , 5, 3590	3.6	67
37	Self-organization of rod-coil tri- and tetra-arm star metallo-supramolecular block copolymers in selective solvents. <i>Soft Matter</i> , <b>2009</b> , 5, 2954	3.6	27
36	Amphiphilic brushes from metallo-supramolecular block copolymers. <i>Soft Matter</i> , <b>2009</b> , 5, 1460	3.6	21
35	Highly ordered conjugated polymer nanoarchitectures with three-dimensional structural control. <i>Nano Letters</i> , <b>2009</b> , 9, 2838-43	11.5	26
34	Synthesis of Poly(2-ethyl-2-oxazoline)-b-poly(styrene) Copolymers via a Dual Initiator Route Combining Cationic Ring-Opening Polymerization and Atom Transfer Radical Polymerization. <i>Macromolecules</i> , <b>2008</b> , 41, 5210-5215	5.5	52
33	Tuning block copolymer micelles by metal-ligand interactions. <i>Soft Matter</i> , <b>2008</b> , 4, 2278	3.6	39
32	Synthesis and Micellization of Coil-Rod-Coil Ruthenium(II) Terpyridine Assemblies. <i>Macromolecules</i> , <b>2008</b> , 41, 8823-8831	5.5	30
31	Advanced Polymer Architectures with Stimuli-Responsive Properties Starting from Inimers. <i>Macromolecules</i> , <b>2008</b> , 41, 2593-2606	5.5	27
30	Supramolecular Self-Assembled Ni(II), Fe(II), and Co(II) ABA Triblock Copolymers. <i>Macromolecules</i> , <b>2008</b> , 41, 2771-2777	5.5	60
29	Self-assembly of metallo-supramolecular block copolymers in thin films. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 4719-4724	2.5	28
28	Amphiphilic gradient copolymers containing fluorinated 2-phenyl-2-oxazolines: Microwave-assisted one-pot synthesis and self-assembly in water. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 5859-5868	2.5	34
27	Poly(dimethylsiloxane)-Substituted 2,2':6,2'-Terpyridines: Synthesis and Characterization of New Amphiphilic Supramolecular Diblock Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 1666-1672	2.6	18

26	Reorganization of hydrogen-bonded block copolymer complexes. <i>Langmuir</i> , <b>2007</b> , 23, 4618-22	4	19
25	One-step polymer grafting from silicon nitride SPM probes: from isolated chains to brush regime. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8410-1	16.4	20
24	Synthesis and Aqueous Micellization of Amphiphilic Tetra-block Ter- and Quarterpoly(2-oxazoline)s. <i>Macromolecules</i> , <b>2007</b> , 40, 2837-2843	5.5	64
23	Metallo-Supramolecular Block Copolymers. <i>Advanced Materials</i> , <b>2007</b> , 19, 1665-1673	24	151
22	Micellization of Poly(2-oxazoline)-Based Quasi-Diblock Copolymers on Surfaces. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 2026-2031	2.6	13
21	Self-assembly of block copolymer complexes in organic solvents. <i>Polymer</i> , <b>2007</b> , 48, 2306-2311	3.9	29
20	Evaporation induced micellization of poly(2-oxazoline) multiblock copolymers on surfaces. <i>Soft Matter</i> , <b>2006</b> , 3, 79-82	3.6	15
19	Tuning the hydrophilicity of gold nanoparticles templated in star block copolymers. <i>Langmuir</i> , <b>2006</b> , 22, 6690-5	4	62
18	Supramolecular ABA Triblock Copolymers via a Polycondensation Approach: Synthesis, Characterization, and Micelle Formation. <i>Macromolecules</i> , <b>2006</b> , 39, 1569-1576	5.5	57
17	Dithioesters and Trithiocarbonates as Anchoring Groups for the Grafting-To Approach. <i>Macromolecules</i> , <b>2006</b> , 39, 2729-2731	5.5	110
16	Microwave-Assisted Cationic Ring-Opening Polymerization of 2-Oxazolines: A Powerful Method for the Synthesis of Amphiphilic Triblock Copolymers. <i>Macromolecules</i> , <b>2006</b> , 39, 4719-4725	5.5	122
15	First Insights into Electrografted Polymers by AFM-Based Force Spectroscopy. <i>Macromolecules</i> , <b>2006</b> , 39, 8428-8433	5.5	33
14	Study of the Influence of the Metal-Ligand Complex on the Size of Aqueous Metallo-Supramolecular Micelles. <i>Macromolecules</i> , <b>2006</b> , 39, 5484-5488	5.5	38
13	Microwave-assisted synthesis and micellization behavior of soy-based copoly(2-oxazoline)s. <i>Colloid and Polymer Science</i> , <b>2006</b> , 284, 1313-1318	2.4	22
12	Structure-Property Study of Diblock Copolymer Micelles: Core and Corona Radius with Varying Composition and Degree of Polymerization. <i>Macromolecules</i> , <b>2005</b> , 38, 10185-10191	5.5	39
11	Nanoporous Thin Films from Self-Assembled Metallo-Supramolecular Block Copolymers. <i>Advanced Materials</i> , <b>2005</b> , 17, 1162-1165	24	93
10	Solution and Solid-State Properties of Mechanically Linked Polycarbonates. <i>Macromolecules</i> , <b>2004</b> , 37, 66-70	5.5	24
9	Parameters influencing the templated growth of colloidal crystals on chemically patterned surfaces. <i>Langmuir</i> , <b>2004</b> , 20, 9114-23	4	132



8	Combinatorial synthesis of star-shaped block copolymers: host-guest chemistry of unimolecular reversed micelles. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 11517-21	16.4	110
7	Mechanically Linked Poly(ethylene terephthalate). <i>Macromolecules</i> , <b>2004</b> , 37, 7884-7892	5.5	24
6	Site-Selective Growth of Colloidal Crystals with Photonic Properties on Chemically Patterned Surfaces. <i>Advanced Materials</i> , <b>2003</b> , 15, 1025-1028	24	97
5	Mechanically linked polycarbonate. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 2200-7	16.4	54
4	Photoemission study of pristine and potassium intercalated benzylic amide catenane films. <i>Surface Science</i> , <b>2001</b> , 474, 37-46	1.8	22
3	Physical consequences of a mechanically interlocked architecture: benzylic amide catenane NH stretching vibrations as sensitive probes for weakly hydrogen-bonding environments. <i>ChemPhysChem</i> , <b>2000</b> , 1, 97-100	3.2	17
2	High-Frequency Vibrations of the Simplest Benzylic Amide [2]Catenane. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 5782-5788	2.8	17
1	Resonant interaction of low energy electrons with intramolecular vibrations in solid C60. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1995</b> , 76, 115-119	1.7	1