

Patrick Davidson

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Existence of a Microporous Corona around the Mesopores of Silica-Based SBA-15 Materials Templated by Triblock Copolymers. <i>Journal of the American Chemical Society</i> , 2000, 122, 11925-11933.	6.6	578
2	Swollen liquid-crystalline lamellar phase based on extended solid-like sheets. <i>Nature</i> , 2001, 413, 504-508.	13.7	256
3	Observation of Nematic Liquid-Crystal Textures in Aqueous Gels of Smectite Clays. <i>The Journal of Physical Chemistry</i> , 1996, 100, 11139-11143.	2.9	252
4	Liquid-crystalline aqueous clay suspensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16101-16104.	3.3	223
5	Mineral liquid crystals. <i>Current Opinion in Colloid and Interface Science</i> , 2005, 9, 377-383.	3.4	170
6	Lamellar Biogels: Fluid-Membrane-Based Hydrogels Containing Polymer Lipids. <i>Science</i> , 1996, 271, 969-973.	6.0	167
7	Outstanding Magnetic Properties of Nematic Suspensions of Goethite (FeOOH) Nanorods. <i>Physical Review Letters</i> , 2002, 88, 125507.	2.9	162
8	Monolithic Mesophase Silica with Large Ordering Domains. <i>Journal of the American Chemical Society</i> , 2000, 122, 823-829.	6.6	153
9	Self-Assembly of CdSe Nanoplatelets into Giant Micrometer-Scale Needles Emitting Polarized Light. <i>Nano Letters</i> , 2014, 14, 710-715.	4.5	153
10	Fibrillogenesis in Dense Collagen Solutions: A Physicochemical Study. <i>Journal of Molecular Biology</i> , 2008, 376, 1509-1522.	2.0	152
11	Invited Article. X-ray diffraction by mesomorphic comb-like polymers. <i>Liquid Crystals</i> , 1992, 11, 469-517.	0.9	127
12	Liquid-Crystalline Nematic Phase in Aqueous Suspensions of a Disk-Shaped Natural Beidellite Clay. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15858-15869.	1.2	124
13	Charge Transport in Nanostructured PS-PEO-PS Triblock Copolymer Electrolytes. <i>Macromolecules</i> , 2014, 47, 2659-2665.	2.2	112
14	Structure and Chirality of the Nematic Phase in Chitin Suspensions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14991-15000.	1.2	109
15	Aqueous Suspensions of Natural Swelling Clay Minerals. 1. Structure and Electrostatic Interactions. <i>Langmuir</i> , 2011, 27, 5562-5573.	1.6	108
16	A liquid-crystalline hexagonal columnar phase in highly-dilute suspensions of imogolite nanotubes. <i>Nature Communications</i> , 2016, 7, 10271.	5.8	105
17	Smectic Liquid-Crystalline Order in Suspensions of Highly Polydisperse Goethite Nanorods. <i>Advanced Materials</i> , 2006, 18, 2565-2568.	11.1	99
18	The measurement by SAXS of the nematic order parameter of laponite gels. <i>Europhysics Letters</i> , 2002, 59, 55-61.	0.7	98

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19	Physical properties of aqueous suspensions of goethite (α -FeOOH) nanorods. European Physical Journal E, 2004, 13, 291-308.	0.7	94
20	Electric-Field-Induced Perfect Anti-Nematic Order in Isotropic Aqueous Suspensions of a Natural Beidellite Clay. Journal of Physical Chemistry B, 2011, 115, 7751-7765.	1.2	92
21	Sol-gel synthesis of oxide materials11Paper presented at Sympos. Synergistic Synthesis of Inorganic Materials, March 1996, Schloß Ringberg, Germany.. Acta Materialia, 1998, 46, 743-750.	3.8	90
22	Molecular organization in side chain liquid crystalline polymers. Journal De Physique, 1985, 46, 939-946.	1.8	86
23	Mineral Liquid Crystals from Self-Assembly of Anisotropic Nanosystems. Topics in Current Chemistry, 2003, , 119-172.	4.0	85
24	Magnetic-field-induced orientational order in the isotropic phase of hard colloidal platelets. Physical Review E, 2006, 73, 041402.	0.8	84
25	Sol/Gel and Isotropic/Nematic Transitions in Aqueous Suspensions of Natural Nontronite Clay. Influence of Particle Anisotropy. 1. Features of the I/N Transition. Langmuir, 2008, 24, 3127-3139.	1.6	84
26	Design of Liquid-Crystalline Aqueous Suspensions of Rutile Nanorods: Evidence of Anisotropic Photocatalytic Properties. Journal of the American Chemical Society, 2007, 129, 5904-5909.	6.6	83
27	Sol-Gel and Isotropic/Nematic Transitions in Aqueous Suspensions of Natural Nontronite Clay. Influence of Particle Anisotropy. 2. Gel Structure and Mechanical Properties. Langmuir, 2009, 25, 127-139.	1.6	83
28	Self-Assembled Collagen-Apatite Matrix with Bone-like Hierarchy. Chemistry of Materials, 2010, 22, 3307-3309.	3.2	81
29	Ligand-induced twisting of nanoplatelets and their self-assembly into chiral ribbons. Science Advances, 2017, 3, e1701483.	4.7	80
30	Macroscopic Shear Alignment of Bulk Transparent Mesostructured Silica. Journal of the American Chemical Society, 2001, 123, 1240-1241.	6.6	79
31	A Detailed Study of the Synthesis of Aqueous Vanadium Pentoxide Nematic Gels. Langmuir, 2000, 16, 5295-5303.	1.6	70
32	Observation of hairpin defects in a nematic main-chain polyester. Physical Review Letters, 1993, 70, 2297-2300.	2.9	67
33	Mineral liquid crystalline polymers. Progress in Polymer Science, 1997, 22, 913-936.	11.8	67
34	Isotropic, nematic, and lamellar phases in colloidal suspensions of nanosheets. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6662-6667.	3.3	67
35	X-ray diffraction by liquid crystalline side-chain polymers. Progress in Polymer Science, 1996, 21, 893-950.	11.8	65
36	Synthesis of Single-Crystalline Platinum Nanorods within a Soft Crystalline Surfactant-PtIIComplex. ChemPhysChem, 2006, 7, 1510-1513.	1.0	63

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37	Cooperative Ordering of Collagen Triple Helices in the Dense State. <i>Langmuir</i> , 2007, 23, 6411-6417.	1.6	63
38	Physical properties of aqueous suspensions of goethite (α -FeOOH) nanorods. <i>European Physical Journal E</i> , 2004, 13, 309-319.	0.7	62
39	The Influence of Polymer Molecular Weight in Lamellar Gels Based on PEG-Lipids. <i>Biophysical Journal</i> , 1998, 75, 272-293.	0.2	58
40	Orientation of liquid-crystalline suspensions of vanadium pentoxide ribbons by a magnetic field. <i>Advanced Materials</i> , 1997, 9, 900-903.	11.1	57
41	Single-step formation of micron long (OH) ₃ Al ₂ O ₃ Ge(OH) imogolite-like nanotubes. <i>Chemical Communications</i> , 2013, 49, 11284.	2.2	57
42	X-ray diffraction study of the smectic A phases of some side-chain polysiloxanes. <i>Liquid Crystals</i> , 1989, 4, 561-571.	0.9	56
43	Stacking and Colloidal Stability of CdSe Nanoplatelets. <i>Langmuir</i> , 2015, 31, 10532-10539.	1.6	56
44	The complex phase behaviour of suspensions of goethite (α -FeOOH) nanorods in a magnetic field. <i>Faraday Discussions</i> , 2005, 128, 271-283.	1.6	55
45	Influence of a magnetic field on the nematic phase of hard colloidal platelets. <i>Physical Review E</i> , 2008, 77, 031708.	0.8	55
46	Magnetic-Field-Induced Nematic-Columnar Phase Transition in Aqueous Suspensions of Goethite (α -FeOOH) Nanorods. <i>Physical Review Letters</i> , 2004, 93, 267801.	2.9	52
47	Nematic colloidal suspensions of V ₂ O ₅ in water or Zocher phases revisited. <i>Liquid Crystals</i> , 1994, 16, 905-910.	0.9	50
48	Liquid-crystalline properties of aqueous suspensions of natural clay nanosheets. <i>Liquid Crystals Reviews</i> , 2013, 1, 110-126.	1.1	49
49	The effect of attractive interactions on the nematic order of V ₂ O ₅ gels. <i>Europhysics Letters</i> , 1999, 48, 53-59.	0.7	48
50	A New Nematic Suspension Based on All-Inorganic Polymer Rods. <i>Europhysics Letters</i> , 1993, 21, 317-322.	0.7	47
51	Intermittent Brownian dynamics over a rigid strand: Heavily tailed relocation statistics in a simple geometry. <i>Physical Review E</i> , 2008, 78, 030102.	0.8	47
52	Nematic-nematic modification in side-on-fixed polysiloxanes. <i>Liquid Crystals</i> , 1990, 8, 565-575.	0.9	46
53	Power law rheology and strain-induced yielding in acidic solutions of type I-collagen. <i>Soft Matter</i> , 2010, 6, 3769.	1.2	46
54	Shear-induced orientation of the body-centered-cubic phase in a diblock copolymer gel. <i>Physical Review E</i> , 1998, 58, 7620-7628.	0.8	42

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55	Photochromic Hybrid Organic~Inorganic Liquid-Crystalline Materials Built from Nonionic Surfactants and Polyoxometalates: Elaboration and Structural Study. <i>Langmuir</i> , 2008, 24, 6285-6291.	1.6	42
56	Tuning the Thermotropic and Lyotropic Properties of Liquid-Crystalline Terpyridine Ligands. <i>Chemistry - A European Journal</i> , 2006, 12, 4261-4274.	1.7	41
57	Aqueous Cholesteric Liquid Crystals Using Uncharged Rodlike Polypeptides. <i>Journal of the American Chemical Society</i> , 2004, 126, 9101-9105.	6.6	38
58	Effects of Added Silica Nanoparticles on the Nematic Liquid Crystal Phase Formation in Beidellite Suspensions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4913-4919.	1.2	38
59	Backbone conformation study of a side chain polyacrylate through a re-entrant polymorphism. <i>Journal De Physique</i> , 1988, 49, 1993-1999.	1.8	37
60	An X-ray scattering study of flow-aligned samples of a lyotropic liquid-crystalline hexagonal phase. <i>European Physical Journal B</i> , 1999, 9, 93-104.	0.6	36
61	The Interplay between Viscoelastic and Thermodynamic Properties Determines the Birefringence of F-Actin Gels. <i>Biophysical Journal</i> , 2005, 89, 543-553.	0.2	36
62	Effect of Interfaces on the Melting of PEO Confined in Triblock PS- <i>b</i> -PEO- <i>b</i> -PS Copolymers. <i>Langmuir</i> , 2013, 29, 10874-10880.	1.6	36
63	Vanadium Pentoxide Sol and Gel Mesophases. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 19, 275-278.	1.1	35
64	Mesomorphic properties of short chains substituted heteroaromatic salts. <i>Journal De Physique</i> , 1990, 51, 1283-1301.	1.8	35
65	Connectivity of the Hexagonal, Cubic, and Isotropic Phases of the C12EO6/H2O Lyotropic Mixture Investigated by Tracer Diffusion and X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2001, 105, 668-673.	1.2	34
66	Magnetic Nanorods Confined in a Lamellar Lyotropic Phase. <i>Langmuir</i> , 2008, 24, 8205-8209.	1.6	34
67	Orientalional Order of Colloidal Disk-Shaped Particles under Shear-Flow Conditions: a Rheological~Small-Angle X-ray Scattering Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16347-16355.	1.2	34
68	Side-chain liquid crystal polymers. A study by neutron diffraction of the backbone distribution profile in the smectic A phase. <i>Liquid Crystals</i> , 1994, 16, 1081-1092.	0.9	33
69	Probing magnetic interactions in columnar phases of a paramagnetic gold dithiolene complex. <i>Journal of Materials Chemistry</i> , 2011, 21, 1416-1422.	6.7	33
70	Neutron scattering study and discussion of the backbone conformation in the nematic phase of a side chain polymer. <i>Liquid Crystals</i> , 1991, 10, 111-118.	0.9	32
71	Liquid crystal based on hybrid zinc oxide nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 6821.	6.7	32
72	Functionalized ordered nanoporous polymeric materials: From the synthesis of diblock copolymers to their nanostructuration and their selective degradation. <i>Microporous and Mesoporous Materials</i> , 2011, 140, 34-39.	2.2	32

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73	Tailoring Highly Oriented and Micropatterned Clay/Polymer Nanocomposites by Applying an a.c. Electric Field. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4296-4301.	4.0	32
74	In-situ SAXS Study of Aqueous Clay Suspensions Submitted to Alternating Current Electric Fields. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13516-13524.	1.2	32
75	Lamellar biogels comprising fluid membranes with a newly synthesized class of polyethylene glycol-surfactants. <i>Journal of Chemical Physics</i> , 1997, 107, 3707-3722.	1.2	31
76	Rheo-SAXS investigation of shear-thinning behaviour of very anisometric repulsive disc-like clay suspensions. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 194112.	0.7	31
77	Facile direct synthesis of ZnO nanoparticles within lyotropic liquid crystals: towards organized hybrid materials. <i>Journal of Materials Chemistry</i> , 2011, 21, 18191.	6.7	30
78	Electric-Field Alignment of Chitin Nanorod-Siloxane Oligomer Reactive Suspensions. <i>Langmuir</i> , 2013, 29, 8208-8212.	1.6	30
79	A biaxial nematic gel phase in aqueous vanadium pentoxide suspensions. <i>European Physical Journal B</i> , 1999, 12, 541-546.	0.6	29
80	Combined SAXS-Rheological Studies of Liquid-Crystalline Colloidal Dispersions of Mineral Particles. <i>Langmuir</i> , 2003, 19, 10028-10035.	1.6	29
81	Mesostructured Silica/Block Copolymer Composites as Hosts for Optically Limiting Tetraphenylporphyrin Dye Molecules. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11909-11914.	1.2	29
82	Vanadium pentoxide gels: From "chimie douce" to "matière molle". <i>Comptes Rendus Chimie</i> , 2010, 13, 142-153.	0.2	28
83	X-ray and magnetic characterization of a nematic polyester based on a metallomesogenic copper(II) moiety. <i>Macromolecules</i> , 1993, 26, 4304-4309.	2.2	27
84	An effective geometrical approach to the structure of colloidal suspensions of very anisometric particles. <i>Europhysics Letters</i> , 2010, 90, 36005.	0.7	27
85	Strong orientational coupling in two-component suspensions of rod-like nanoparticles. <i>Soft Matter</i> , 2013, 9, 5061.	1.2	26
86	CdSe Nanoplatelets: Living Polymers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9371-9374.	7.2	26
87	Nematic liquid crystalline mineral polymers. <i>Advanced Materials</i> , 1993, 5, 665-668.	11.1	25
88	Preparation, structure, and magnetic properties of a ternary tetrathiafulvalenium salt based on a paramagnetic hexanuclear niobium cluster halide: $(TTF^+)_2[(Nb_6Cl_{18})_3]^{3-}[(C_2H_5)_4N^+][CH_3CN]$, a unique molecular rock salt with channels incorporating a neutral organic molecule. <i>Chemistry of Materials</i> , 1990, 2, 117-123.	3.2	23
89	Deuterium Nuclear Magnetic Resonance Study of the Nematic Phase of Vanadium Pentoxide Aqueous Suspensions. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5427-5433.	1.2	23
90	Investigation of anisotropic epoxy-amine thermosets synthesised in a magnetic field. <i>Liquid Crystals</i> , 2008, 35, 913-924.	0.9	23

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91	Lyotropic Lamellar Phase Doped with a Nematic Phase of Magnetic Nanorods. <i>Langmuir</i> , 2010, 26, 4586-4589.	1.6	23
92	Biaxiality-driven twist-bend to splay-bend nematic phase transition induced by an electric field. <i>Science Advances</i> , 2020, 6, .	4.7	23
93	Probing the Anions Mediated Associative Behavior of Tin-12 Oxo-Macrocations by Pulsed Field Gradient NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16087-16091.	1.5	22
94	A two-dimensional nematic phase of magnetic nanorods. <i>Journal of Chemical Physics</i> , 2014, 140, 104904.	1.2	22
95	Synthesis and X-ray study of new columnar heteroaromatic salts. <i>Liquid Crystals</i> , 1988, 3, 133-137.	0.9	21
96	Repulsion Between Inorganic Particles Inserted Within Surfactant Bilayers. <i>Physical Review Letters</i> , 2008, 101, 098101.	2.9	21
97	On phase behavior and dynamical signatures of charged colloidal platelets. <i>Scientific Reports</i> , 2013, 3, 3559.	1.6	21
98	Synthesis, Characterization and X-Ray Diffraction Studies of a New Homologous Series of Cyano-Substituted Mesomorphic Side Chain Polyacrylates. <i>Liquid Crystals</i> , 1988, 3, 1583-1595.	0.9	20
99	Strain-controlled fluorescence polarization in a CdSe nanoplateletâ€“block copolymer composite. <i>Chemical Communications</i> , 2015, 51, 4051-4054.	2.2	20
100	X-ray diffraction by liquid-crystalline elastomers. <i>Liquid Crystals</i> , 1992, 12, 779-798.	0.9	19
101	Synthesis and Phase Behavior of New Amphiphilic PEG-Based Triblock Copolymers as Gelling Agents for Lamellar Liquid Crystalline Phases. <i>Macromolecules</i> , 1998, 31, 8503-8508.	2.2	19
102	Novel Functional Mesoporous Materials Obtained from Nanostructured Diblock Copolymers. <i>Macromolecular Symposia</i> , 2010, 287, 127-134.	0.4	19
103	Electric-field-induced shape transition of nematic tactoids. <i>Physical Review E</i> , 2017, 96, 022706.	0.8	18
104	Liquid-crystalline side chain polymers containing a chiral spacer unit exhibiting chiral smectic phases. <i>Liquid Crystals</i> , 1989, 5, 1297-1306.	0.9	17
105	A PGSE-NMR Study of Molecular Self-Diffusion in Lamellar Phases Doped with Polyoxometalates. <i>Journal of Physical Chemistry B</i> , 2010, 114, 220-227.	1.2	17
106	Two unusual mesophases in chiral side chain polymers. <i>Liquid Crystals</i> , 1993, 14, 901-910.	0.9	16
107	Shear-induced layer alignment in the smectic phase of a side chain liquid crystal polymer. <i>Polymer</i> , 1999, 40, 3599-3603.	1.8	16
108	Original Single Walled Nanotubes Based on Weakly Interacting Covalent Mineral Polymers, 1â€“[Nb ₂ PS ₁₀ -] in N-Methylformamide. <i>Nano Letters</i> , 2002, 2, 403-407.	4.5	16

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109	Liquid Crystalline Polymer-Co Nanorod Hybrids: Structural Analysis and Response to a Magnetic Field. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3218-3225.	1.2	16
110	Solution self-assembly of plasmonic Janus nanoparticles. <i>Soft Matter</i> , 2016, 12, 9666-9673.	1.2	16
111	Evidence by X-ray scattering of defects in the lamellar stacking of the SmA phase of a side-chain polymer. <i>Journal De Physique</i> , 1988, 49, 689-695.	1.8	16
112	Isotropic/nematic and sol/gel transitions in aqueous suspensions of size selected nontronite NAu1. <i>Clay Minerals</i> , 2013, 48, 663-685.	0.2	15
113	Interplay of anisotropy in shape and interactions in charged platelet suspensions. <i>Journal of Chemical Physics</i> , 2014, 141, 224510.	1.2	15
114	Morphology of gold nanoparticles determined by full-curve fitting of the light absorption spectrum. Comparison with X-ray scattering and electron microscopy data. <i>Nanoscale</i> , 2014, 6, 13527-13534.	2.8	15
115	Non-symmetrical dithiolium salts Mesomorphic properties. <i>Liquid Crystals</i> , 1990, 8, 775-785.	0.9	14
116	Structure under confinement in a smectic-A and lyotropic surfactant hexagonal phase. <i>Physica B: Condensed Matter</i> , 1996, 221, 289-295.	1.3	14
117	Rheological behaviour of polyoxometalate-doped lyotropic lamellar phases. <i>European Physical Journal E</i> , 2011, 34, 4.	0.7	14
118	Aqueous Suspensions of GdPO ₄ Nanorods: A Paramagnetic Mineral Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7590-7595.	1.2	14
119	Lamellar L_{\pm} Mesophases Doped with Inorganic Nanoparticles. <i>ChemPhysChem</i> , 2014, 15, 1270-1282.	1.0	14
120	Swelling Inhibition of Liquid Crystalline Colloidal Montmorillonite and Beidellite Clays by DNA. <i>Scientific Reports</i> , 2018, 8, 4367.	1.6	13
121	Premiers Exemples De Sels Heteroaromatiques A Quatre Chaines Paraffiniques Possedant Des Proprietes Mesomorphes Colonnaires. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988, 161, 403-411.	0.3	12
122	Diffuse X-ray Scattering from Freely Suspended Strands of a Discotic Liquid Crystal. <i>Journal De Physique II</i> , 1995, 5, 249-262.	0.9	11
123	The bridging conformations of double-end anchored polymer-surfactants destabilize a hydrogel of lipid membranes. <i>Journal of Chemical Physics</i> , 2001, 115, 6252-6257.	1.2	11
124	Evidence for Photoconductivity Anisotropy in Aligned TiO ₂ Nanorod Films. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19799-19802.	1.5	11
125	Magnetic-field-induced nematic-nematic phase separation and droplet formation in colloidal goethite. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 194108.	0.7	11
126	The isotropic-nematic interface of colloidal goethite in an external magnetic field. <i>Journal of Chemical Physics</i> , 2010, 133, 164504.	1.2	10

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127	Communications: Short-range dynamics of a nematic liquid-crystalline phase. <i>Journal of Chemical Physics</i> , 2010, 132, 091101.	1.2	10
128	Liquid Crystalline Order and Electric Switching of Upconversion Luminescence in Colloidal Nanorod Suspensions. <i>Advanced Optical Materials</i> , 2019, 7, 1900041.	3.6	10
129	Mesomorphic side chain polysiloxanes : a structural study of the smectic B phase. <i>Journal De Physique</i> , 1989, 50, 2415-2430.	1.8	10
130	Nouveaux Cristaux Liquides Colonnaires: Cations Heteroaromatiques Avec Six Chaines Alcoxy. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988, 161, 395-401.	0.3	9
131	A Rheological and SAXS Study of the Lamellar Order in a Side-on Liquid Crystalline Block Copolymer. <i>Macromolecules</i> , 2005, 38, 10736-10742.	2.2	9
132	Fast and Easy Flow-Alignment Technique of Lyotropic Liquid-Crystalline Hexagonal Phases of Block Copolymers and Surfactants. <i>Macromolecules</i> , 2001, 34, 3503-3506.	2.2	8
133	Hybrid Nanocomposites with Tunable Alignment of the Magnetic Nanorod Filler. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1583-1588.	4.0	8
134	Smectic-like bâtonnets in nematic/twist-bend nematic biphasic samples. <i>Liquid Crystals</i> , 0, , 1-12.	0.9	8
135	CdSe Nanoplatelets: Living Polymers. <i>Angewandte Chemie</i> , 2016, 128, 9517-9520.	1.6	7
136	Liquid-Crystalline Suspensions of Photosensitive Paramagnetic CeF ₃ Nanodiscs. <i>Langmuir</i> , 2019, 35, 16256-16265.	1.6	7
137	Probing permanent dipoles in CdSe nanoplatelets with transient electric birefringence. <i>Nanoscale</i> , 2020, 12, 11040-11054.	2.8	7
138	Slow dynamics of a colloidal lamellar phase. <i>Journal of Chemical Physics</i> , 2010, 133, 224902.	1.2	6
139	RheoSAXS studies of anisotropic complex fluids under shear. <i>Journal of Physics: Conference Series</i> , 2010, 247, 012052.	0.3	6
140	Fine tuning the structural colours of photonic nanosheet suspensions by polymer doping. <i>Soft Matter</i> , 2021, 17, 9280-9292.	1.2	6
141	Room-Temperature, Strain-Tunable Orientation of Magnetization in a Hybrid Ferromagnetic Co Nanorod-Liquid Crystalline Elastomer Nanocomposite. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10811-10815.	7.2	5
142	Dispersions of Goethite Nanorods in Aprotic Polar Solvents. <i>Materials</i> , 2017, 10, 1191.	1.3	5
143	Fréedericksz-Like Transition in a Biaxial Smectic- A Phase. <i>Physical Review X</i> , 2021, 11, .	2.8	5
144	Lyotropic Liquid-Crystalline Phases of Sophorolipid Biosurfactants. <i>Langmuir</i> , 2022, 38, 8564-8574.	1.6	5

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145	A Small-Angle X-ray Scattering Study of the Lyotropic Nematic Phase of Vanadium Pentoxide Gels. <i>Journal of Applied Crystallography</i> , 1997, 30, 727-732.	1.9	4
146	Influence of the nematic order on the rheology and conformation of stretched comb-like liquid crystalline polymers. <i>European Physical Journal E</i> , 2000, 1, 301.	0.7	4
147	The interaction of charged nanoparticles at interfaces. <i>Europhysics Letters</i> , 2012, 100, 18002.	0.7	4
148	Optical and X-ray scattering studies of the electric field-induced orientational order in colloidal suspensions of pigment nanorods. <i>Journal of Molecular Liquids</i> , 2018, 267, 286-296.	2.3	4
149	Selected Topics in X-Ray Scattering by Liquid-Crystalline Polymers. <i>Structure and Bonding</i> , 1999, , 1-39.	1.0	4
150	A complementary structural study of 4-nonyl-4'-cyanoterphenyl. <i>Liquid Crystals</i> , 1990, 8, 153-161.	0.9	3
151	Structure and shear orientation of a side chain liquid crystal polymer studied by small angle X-ray scattering. <i>Liquid Crystals</i> , 2004, 31, 663-670.	0.9	3
152	Stability criteria for aqueous colloidal vanadium pentoxide suspensions doped with magnetite nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 774-781.	2.3	3
153	Destabilization of the Nematic Phase of Clay Nanosheet Suspensions by Polymer Adsorption. <i>Langmuir</i> , 2020, 36, 12563-12571.	1.6	3
154	Self-Assemblies of Anisotropic Nanoparticles: Mineral Liquid Crystals. , 2006, , 173-212.		2
155	Infrared dichroism of gold nanorods controlled using a magnetically addressable mesophase. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5087.	2.7	2
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