

Stephen J Picken

List of Publications by Year in descending order

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158
papers

5,596
citations

87888

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162
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162
docs citations

162
times ranked

6185
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Strength Liquid Crystal Polymer–Graphene Oxide Nanocomposites from Water. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16592-16600.	8.0	4
2	Anomalous water sorption kinetics in supported Nafion thin-films as membrane-electrode assemblies. <i>Journal of Membrane Science</i> , 2022, 650, 120368.	8.2	2
3	Nanocellulose recovery from domestic wastewater. <i>Journal of Cleaner Production</i> , 2021, 280, 124507.	9.3	23
4	Delayed yielding of oil/water emulsions in presence of stabilizing biopolymer. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49626.	2.6	1
5	Environmentally Sensitive Luminescence Reveals Spatial Confinement, Dynamics, and Their Molecular Weight Dependence in a Polymer Glass. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4977-4983.	4.4	2
6	Fingerprinting the nonlinear rheology of a liquid crystalline polyelectrolyte. <i>Rheologica Acta</i> , 2020, 59, 727-743.	2.4	4
7	Irreversible Shear-Activated Gelation of a Liquid Crystalline Polyelectrolyte. <i>ACS Macro Letters</i> , 2020, 9, 957-963.	4.8	6
8	The Effect of Magnetic Field on Catalytic Properties in Core-Shell Type Particles. <i>Frontiers in Chemistry</i> , 2020, 8, 163.	3.6	15
9	Strong graphene oxide nanocomposites from aqueous hybrid liquid crystals. <i>Nature Communications</i> , 2020, 11, 830.	12.8	30
10	Observation of transition cascades in sheared liquid crystalline polymers. <i>Soft Matter</i> , 2020, 16, 3891-3901.	2.7	8
11	The effect of lattice strain on catalytic activity. <i>Chemical Communications</i> , 2019, 55, 1338-1341.	4.1	45
12	Changes of the Molecular Mobility of Poly(ϵ -caprolactone) upon Drawing, Studied by Dielectric Relaxation Spectroscopy. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 665-674.	3.8	2
13	Composition dependent properties of graphene (oxide)–alginate biopolymer nanocomposites. <i>Polymer Composites</i> , 2018, 39, E236.	4.6	8
14	Supramolecular Gluing of Polymeric Hydrogels. <i>ChemNanoMat</i> , 2018, 4, 772-775.	2.8	8
15	Optimisation of Proton-Conducting sPEEK Membranes through a Thermal Treatment Method Monitored by Dielectric Spectroscopy. <i>ChemistrySelect</i> , 2018, 3, 2931-2942.	1.5	1
16	Mimicking an Atomically Thin “Vacuum Spacer” to Measure the Hamaker Constant between Graphene Oxide and Silica. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600495.	3.7	9
17	Water Sorption and Diffusion in (Reduced) Graphene Oxide–Alginate Biopolymer Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1049-1063.	3.6	20
18	Planar contraction flow of a nematic PPTA solution. <i>Journal of Rheology</i> , 2016, 60, 97-110.	2.6	0

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19	All-Aromatic (AB)-Multiblock Copolymers via Simple One-Step Melt Condensation Chemistry. <i>Macromolecules</i> , 2016, 49, 8549-8562.	4.8	35
20	Rheological investigation of specific interactions in Na Alginate and Na MMT suspension. <i>Carbohydrate Polymers</i> , 2016, 151, 144-149.	10.2	6
21	Tunable Order in Alginate/Graphene Biopolymer Nanocomposites. <i>Macromolecules</i> , 2015, 48, 8323-8330.	4.8	23
22	Origin of Highly Ordered Sodium Alginate/Montmorillonite Bionanocomposites. <i>Macromolecules</i> , 2015, 48, 1204-1209.	4.8	28
23	Role of intensive milling in the processing of barium ferrite/magnetite/iron hybrid magnetic nano-composites via partial reduction of barium ferrite. <i>Materials Characterization</i> , 2015, 101, 78-82.	4.4	11
24	Water and sodium transport and liquid crystalline alignment in a sulfonated aramid membrane. <i>Journal of Membrane Science</i> , 2015, 489, 194-203.	8.2	29
25	Characterization and modeling of creep behavior of a thermoset nanocomposite. <i>Polymer Composites</i> , 2015, 36, 322-329.	4.6	18
26	Synthesis and properties of aligned all-aromatic liquid crystal networks. <i>High Performance Polymers</i> , 2014, 26, 381-391.	1.8	12
27	Structure-property relationships and modeling of the mechanical properties of a high-temperature resistant thermoset nanocomposite. <i>Composites Part B: Engineering</i> , 2014, 56, 9-14.	12.0	7
28	Polyborosiloxanes (PBSs), Synthetic Kinetics, and Characterization. <i>Macromolecules</i> , 2014, 47, 4531-4537.	4.8	72
29	On the Tertiary Structure of PolyCarbenes; Self-Assembly of sp^3 -Carbon Based Polymers into Liquid-Crystalline Aggregates. <i>Chemistry - A European Journal</i> , 2013, 19, 11577-11589.	3.3	26
30	Rheology-Structure Interrelationships of Hydroxypropylcellulose Liquid Crystal Solutions and Their Nanocomposites under Flow. <i>Macromolecules</i> , 2013, 46, 1144-1157.	4.8	19
31	Responsive biomimetic networks from polyisocyanopeptide hydrogels. <i>Nature</i> , 2013, 493, 651-655.	27.8	441
32	Increasing the stability of high contraction ratio flow of Boger fluids by pre-deformation. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 196, 27-35.	2.4	11
33	SWCNT Induced Crystallization in an Amorphous All-Aromatic Poly(ether imide). <i>Macromolecules</i> , 2013, 46, 1492-1503.	4.8	34
34	Supramolecular Leaks of a Fluorinated Hybrid Amphiphile That Self-Assembles into a Disordered Columnar Phase. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2820-2826.	2.6	1
35	Electrochemical Determination of Pentachlorophenol in Water on a Multi-Wall Carbon Nanotubes-Epoxy Composite Electrode. <i>Sensors</i> , 2012, 12, 7033-7046.	3.8	33
36	Direct observation of particle rearrangement during cyclic stress hardening of magnetorheological gels. <i>Soft Matter</i> , 2012, 8, 11995.	2.7	52

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37	On the Morphology of a Discotic Liquid Crystalline Charge Transfer Complex. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13098-13105.	2.6	26
38	Synthesis and characterisation of side chain liquid crystal copolymers containing sulfonic acid groups. <i>Polymer</i> , 2012, 53, 2604-2612.	3.8	51
39	Long Time Response of Soft Magnetorheological Gels. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4702-4711.	2.6	61
40	Anomalous magnetism in noble metal (nano)particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 248-251.	4.7	6
41	Nonlinear rheological study of magneto responsive soft gels. <i>Polymer</i> , 2012, 53, 4164-4170.	3.8	61
42	Uniaxial to biaxial nematic phase transition in a bent-core thermotropic liquid crystal by polarising microscopy. <i>Liquid Crystals</i> , 2012, 39, 19-23.	2.2	60
43	Transformational kinetics in liquid crystal polymers and differential scanning calorimetry calibration. <i>Liquid Crystals</i> , 2012, 39, 493-500.	2.2	5
44	Micellization Behavior of Aromatic Moiety Bearing Hybrid Fluorocarbon Sulfonate Surfactants. <i>Langmuir</i> , 2012, 28, 3397-3402.	3.5	28
45	The effect of heat treatment and re-calcination on magnetic properties of BaFe ₁₂ O ₁₉ /Fe ₃ O ₄ nano-composite. <i>Ceramics International</i> , 2012, 38, 3155-3159.	4.8	12
46	Magnetic property enhancement and characterization of nano-structured barium ferrite by mechano-thermal treatment. <i>Materials Characterization</i> , 2012, 63, 83-89.	4.4	27
47	Synthesis and characterization of BaFe ₁₂ O ₁₉ /Fe ₃ O ₄ and BaFe ₁₂ O ₁₉ /Fe/Fe ₃ O ₄ magnetic nano-composites. <i>Powder Technology</i> , 2012, 221, 292-295.	4.2	33
48	Elucidation of the Orientational Order and the Phase Diagram of p-Quinquephenyl. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1416-1421.	2.6	7
49	Synthesis of Magnetic Noble Metal (Nano)Particles. <i>Langmuir</i> , 2011, 27, 7783-7787.	3.5	32
50	Direct View on Nanoionic Proton Mobility. <i>Advanced Functional Materials</i> , 2011, 21, 1364-1374.	14.9	14
51	Silver-functionalized multi-wall carbon nanotubes composite electrode for non-enzymatic detection of glycerol. , 2011, , .		0
52	Thermal tuning of a silicon photonic crystal cavity infilled with an elastomer. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
53	Liquid crystal main-chain polymers for high-performance fibre applications. <i>Liquid Crystals</i> , 2011, 38, 1591-1605.	2.2	51
54	LCP Report Macro. <i>Liquid Crystals Today</i> , 2011, 20, 34-35.	2.3	0

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55	Mechanical and fracture properties of ternary PE/PA6/GF composites. <i>Composites Science and Technology</i> , 2010, 70, 734-742.	7.8	17
56	Extension rheology of liquid-crystalline solution/layered silicate hybrids. <i>Polymer Engineering and Science</i> , 2010, 50, 789-799.	3.1	2
57	Orientalional order in nematic polymers – some variations on the Maier – Saupe theme. <i>Liquid Crystals</i> , 2010, 37, 977-985.	2.2	5
58	A columnar mesophase with high lateral order from a triphenylene-hexa(3,5-dialkoxy)benzoate. <i>Liquid Crystals</i> , 2010, 37, 579-586.	2.2	4
59	Enhanced hardening of soft self-assembled copolymer gels under homogeneous magnetic fields. <i>Soft Matter</i> , 2010, 6, 4497.	2.7	89
60	Synthesis of a Polymerizable Fluorosurfactant for the Construction of Stable Nanostructured Proton-Conducting Membranes. <i>Journal of Organic Chemistry</i> , 2010, 75, 6814-6819.	3.2	12
61	Simultaneous electrochemical determination of nitrate and nitrite in aqueous solution using Ag-doped zeolite-expanded graphite-epoxy electrode. <i>Talanta</i> , 2010, 83, 66-71.	5.5	90
62	Layered silicates nanocomposite matrix for improved fiber reinforced composites properties. <i>Composites Science and Technology</i> , 2009, 69, 2285-2292.	7.8	29
63	Carbon Composite Electrodes Applied for Electrochemical Sensors. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 179-189.	0.2	5
64	Can morphological transitions in fibrils drive stiffness of gels formed by discotic liquid crystal organogelators?. <i>Soft Matter</i> , 2009, 5, 4905.	2.7	34
65	Liquid crystalline properties of all symmetric p-phenylene and 2,5-thiophene pentamers. <i>Liquid Crystals</i> , 2009, 36, 389-396.	2.2	18
66	Spontaneous homeotropic alignment in films of rigid – flexible polyelectrolyte complexes. <i>Soft Matter</i> , 2009, 5, 342-345.	2.7	8
67	Interaction of SWCNT and PPTA with sulfuric acid-Compatibilization of two materials in a common solvent. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1914-1922.	2.1	4
68	Simultaneous Determination of 4-Chlorophenol and Oxalic Acid Using an Expanded Graphite-Epoxy Composite Electrode. <i>Electroanalysis</i> , 2008, 20, 1719-1722.	2.9	22
69	Amperometric Detection of 4-Chlorophenol on Two Types of Expanded Graphite Based Composite Electrodes. <i>Electroanalysis</i> , 2008, 20, 2460-2466.	2.9	13
70	A study of the thermo-mechanical behavior of Boehmite-polyamide-6 nanocomposites. <i>Thermochimica Acta</i> , 2008, 472, 31-37.	2.7	19
71	Physical Properties of Oriented Thin Films Formed by the Electrostatic Complexation of Sulfonated Polyaramid. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16403-16408.	2.6	8
72	Voltammetric Detection of Urea on an Ag-Modified Zeolite-Expanded Graphite-Epoxy Composite Electrode. <i>Sensors</i> , 2008, 8, 5806-5819.	3.8	39

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73	Continuous fibre composites with a nanocomposite matrix: Improvement of flexural and compressive strength at elevated temperatures. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 730-738.	7.6	45
74	Local lamellar organisation of discotic mesogens carrying fluorinated tails. <i>Journal of Materials Chemistry</i> , 2007, 17, 4196.	6.7	20
75	Oligomeric rod-disc nematic liquid crystals. <i>Chemical Communications</i> , 2007, , 1245-1247.	4.1	78
76	Carbon-based Composite Electrodes: Preparation, Characterization and Application in Electroanalysis. <i>Sensors</i> , 2007, 7, 2626-2635.	3.8	26
77	Structure and Dynamics of a Discotic Liquid-Crystalline Charge-Transfer Complex. <i>ChemPhysChem</i> , 2007, 8, 1338-1344.	2.1	29
78	Evolution of the morphology and the mechanical properties of ternary PE/PA6/GF composites during annealing. <i>Polymer</i> , 2007, 48, 6294-6303.	3.8	14
79	The effect of annealing on the melt rheology of ternary PE/PA6/GF composites. <i>Polymer</i> , 2007, 48, 6834-6842.	3.8	6
80	Spontaneous formation of hierarchical proton-conductive structures in sulfonated poly(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 666-676.	2.1	14
81	Waterborne nanocomposite resins for automotive coating applications. <i>Progress in Organic Coatings</i> , 2007, 58, 96-104.	3.9	40
82	Electrochemical Oxidation and Determination of Oxalic Acid at an Exfoliated Graphite-Polystyrene Composite Electrode. <i>Sensors</i> , 2007, 7, 615-627.	3.8	42
83	7-Dialkylamino-1-alkylquinolinium Salts: Highly Versatile and Stable Fluorescent Probes. <i>Journal of Organic Chemistry</i> , 2006, 71, 2666-2676.	3.2	60
84	Lyotropic Rod-Coil Poly(amide-block-aramid) Alternating Block Copolymers: Phase Behavior and Structure. <i>Macromolecules</i> , 2006, 39, 4411-4417.	4.8	16
85	Synthesis and Characterization of Rod-Coil Poly(amide-block-aramid) Alternating Block Copolymers. <i>Macromolecules</i> , 2006, 39, 3824-3829.	4.8	26
86	Dynamics of T ₂ G ₂ Helices in Atactic and Syndiotactic Polystyrene: New Evidence from Dielectric Spectroscopy and FTIR. <i>Macromolecules</i> , 2006, 39, 5152-5158.	4.8	34
87	Ordered Structures in Proton Conducting Membranes from Supramolecular Liquid Crystal Polymers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23729-23735.	2.6	21
88	Cooperative and non-cooperative dynamics in ultra-thin films of polystyrene studied by dielectric spectroscopy and capacitive dilatometry. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 5594-5600.	3.1	86
89	Orientational order and mechanical properties of poly(amide-block-aramid) alternating block copolymer films and fibers. <i>Polymer</i> , 2006, 47, 8517-8526.	3.8	24
90	Nematic phase formation of Boehmite in polyamide-6 nanocomposites. <i>Polymer</i> , 2006, 47, 2189-2197.	3.8	16

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91	A compact model system for electron-phonon calculations in discotic materials. <i>Chemical Physics</i> , 2006, 330, 360-364.	1.9	12
92	Performance analysis of sulfonated PPTA polymers as potential fuel cell membranes. <i>Journal of Power Sources</i> , 2006, 162, 380-387.	7.8	26
93	Induction of Liquid Crystallinity by Self-Assembled Molecular Boxes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7543-7546.	13.8	24
94	A Wavelength-Shifting Fluorescent Probe for Investigating Physical Aging. <i>Macromolecules</i> , 2006, 39, 224-231.	4.8	29
95	Novel Color-Shifting Mobility Sensitive Fluorescent Probes for Polymer Characterization. <i>Macromolecular Symposia</i> , 2005, 230, 11-19.	0.7	7
96	Mechanical properties of short fiber reinforced thermoplastic blends. <i>Polymer</i> , 2005, 46, 3895-3905.	3.8	27
97	Analysis of the modulus of polyamide-6 silicate nanocomposites using moisture controlled variation of the matrix properties. <i>Polymer</i> , 2005, 46, 6102-6113.	3.8	44
98	Distribution of oil in olefinic thermoplastic elastomer blends. <i>Polymer</i> , 2005, 46, 6391-6401.	3.8	64
99	Dielectric spectroscopy using dielectric probes: a new approach to study glass transition dynamics in immiscible apolar polymer blends. <i>Polymer</i> , 2005, 46, 6064-6074.	3.8	40
100	Preparation and characterization of titanate-modified Boehmite-polyamide-6 nanocomposites. <i>Polymer</i> , 2005, 46, 6025-6034.	3.8	22
101	The relation between rheological and mechanical properties of PA6 nano- and micro-composites. <i>Polymer</i> , 2005, 46, 10279-10289.	3.8	66
102	Nanocomposite matrix for increased fibre composite strength. <i>Polymer</i> , 2005, 46, 10269-10278.	3.8	74
103	Moisture absorption in polyamide-6 silicate nanocomposites and its influence on the mechanical properties. <i>Polymer</i> , 2005, 46, 12567-12576.	3.8	120
104	Creep and physical aging behaviour of PA6 nanocomposites. <i>Polymer</i> , 2005, 46, 12539-12545.	3.8	71
105	A comparison of the temperature dependence of the modulus, yield stress and ductility of nanocomposites based on high and low MW PA6 and PA66. <i>Polymer</i> , 2005, 46, 3452-3461.	3.8	49
106	Spatially periodic liquid crystal director field appearing in a photonic crystal template. <i>Applied Physics Letters</i> , 2005, 87, 241105.	3.3	17
107	A Direct Observation by XRD of Reorientation in a Supramolecular Liquid Crystal Polymer Induced by Magnetic Field. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 437, 43/[1287]-52/[1296].	0.9	2
108	Transient Phase-Induced Nucleation in Ionic Liquid Crystals and Size-Frustrated Thickening. <i>Chemistry of Materials</i> , 2005, 17, 250-257.	6.7	36

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109	Synthesis and Formation of a Supramolecular Nematic Liquid Crystal in Poly(p-phenylene- <i>sulfoterephthalamide</i>)·H ₂ O. <i>Macromolecules</i> , 2005, 38, 3647-3652.	4.8	26
110	Characteristic size of molecular dynamics in polymers probed by dielectric probes of variable length. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2694-2702.	3.1	49
111	Multiple glass transitions in the plastic crystal phase of triphenylene derivatives. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2622-2628.	3.1	37
112	Relaxation of Free Volume in Polycarbonate and Polystyrene Studied by Positron Annihilation Lifetime Spectroscopy. <i>Acta Physica Polonica A</i> , 2005, 107, 690-696.	0.5	7
113	Preparation and properties of polyamide-6-boehmite nanocomposites. <i>Polymer</i> , 2004, 45, 5207-5214.	3.8	66
114	Analysis of quasielastic neutron scattering (QENS) data of discotic systems using different molecular dynamics (MD) models. <i>Physica B: Condensed Matter</i> , 2004, 350, E1003-E1005.	2.7	4
115	A supramolecular nematic phase in sulfonated polyaramides. <i>Chemical Communications</i> , 2004, , 1596.	4.1	34
116	Discotic Multipodes with Nematic Mesophases. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 387-396.	0.9	17
117	Water Soluble Rigid Rod Polymers: A SANS Study of Shear-Induced Alignment and Relaxation. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 525-535.	0.9	7
118	Dynamics and Phase Transitions in Discotic and Calamitic Liquid Crystal Side-chain Polymers. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 503-513.	0.9	3
119	Cross-Linking Behavior of Diskotic Side-Chain Polymers in Solution. <i>Macromolecules</i> , 2004, 37, 7839-7845.	4.8	5
120	Substituent Effects in Discotic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 305-312.	0.9	9
121	The Nematic Discotic Phase in Materials Containing a Siloxane Core. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 377-385.	0.9	9
122	Dielectric and Fluorescent Probes To Investigate Glass Transition, Melt, and Crystallization in Polyolefins. <i>Macromolecules</i> , 2004, 37, 2460-2470.	4.8	85
123	Wholly Aromatic Ether-imides. Potential Materials for n-Type Semiconductors. <i>Chemistry of Materials</i> , 2004, 16, 966-974.	6.7	17
124	A rheological and structural study of a discotic side chain polymer solution. <i>Rheologica Acta</i> , 2003, 42, 443-453.	2.4	7
125	Synthesis and characterization of a water-soluble rigid-rod polymer. <i>Polymer</i> , 2003, 44, 7843-7850.	3.8	31
126	Mobility and solubility of antioxidants and oxygen in glassy polymers II. Influence of physical ageing on antioxidant and oxygen mobility. <i>Polymer Degradation and Stability</i> , 2003, 79, 427-438.	5.8	24

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127	Mobility and solubility of antioxidants and oxygen in glassy polymers. III. Influence of deformation and orientation on oxygen permeability. <i>Polymer</i> , 2003, 44, 2463-2471.	3.8	25
128	Dynamics of discotic methoxy triphenylene molecules from quasielastic neutron scattering and molecular dynamics simulations. <i>Chemical Physics</i> , 2003, 292, 185-190.	1.9	11
129	Specific interactions in discotic liquid crystals. <i>Journal of Materials Chemistry</i> , 2003, 13, 458-469.	6.7	43
130	Dynamics of a Triphenylene Discotic Molecule, HAT6, in the Columnar and Isotropic Liquid Phases. <i>Journal of the American Chemical Society</i> , 2003, 125, 3860-3866.	13.7	67
131	Induced Liquid Crystalline Diversity in Molecular and Polymeric Charge-Transfer Complexes of Discotic Mesogens. <i>Macromolecules</i> , 2002, 35, 2576-2582.	4.8	29
132	Charge Transfer Complexes of Discotic Liquid Crystals: A Flexible Route to a Wide Variety of Mesophases. <i>Macromolecules</i> , 2002, 35, 4322-4329.	4.8	59
133	The Nematic Lateral Phase: A Novel Phase in Discotic Supramolecular Assemblies. <i>Macromolecules</i> , 2001, 34, 7582-7584.	4.8	36
134	A Series of Novel Liquid Crystalline Polymers Showing a Nematic Discotic and/or a Nematic Columnar Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 364, 225-234.	0.3	9
135	Processing Rigid Polymers to High Performance Fibers. , 2001, , 7883-7887.		4
136	Liquid crystalline solutions of cellulose acetate in phosphoric acid. <i>Polymer</i> , 2001, 42, 7363-7369.	3.8	16
137	Modeling of ND and NCol Phase Transitions in Discotic Side Chain Polymers by the Extended McMillan Theory. <i>Journal of the American Chemical Society</i> , 2001, 123, 4645-4646.	13.7	11
138	Cholesteric Thermo-reversible Liquid-Crystal Gels: Phase Behaviour and Electro-optical Response. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 2372-2377.	1.5	4
139	Liquid crystal polymer optics. <i>Macromolecular Symposia</i> , 2000, 154, 95-104.	0.7	5
140	Highly ordered side-chain liquid-crystalline polymers from maleic anhydride and swallow-tailed 1-alkenes having two mesogens. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 2394-2400.	2.2	3
141	Liquid Crystalline Perylene Diimides: Architecture and Charge Carrier Mobilities. <i>Journal of the American Chemical Society</i> , 2000, 122, 11057-11066.	13.7	499
142	Synthesis and Characterization of a Novel Liquid Crystalline Polymer Showing a Nematic Columnar to Nematic Discotic Phase Transition. <i>Macromolecules</i> , 2000, 33, 4336-4342.	4.8	48
143	Side-Chain Liquid-Crystalline Polymers from the Alternating Copolymerization of Maleic Anhydride and 1-Olefins Carrying Biphenyl Mesogens. <i>Macromolecules</i> , 1999, 32, 1398-1406.	4.8	26
144	Supramolecular Materials: Molecular Packing of Tetranitrotetrapropoxycalix[4]arene in Highly Stable Films with Second-Order Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 1998, 4, 1225-1234.	3.3	37

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145	Shish kebab-like chirality. <i>Chemical Communications</i> , 1998, , 979-980.	4.1	38
146	Supramolecular Materials: Molecular Packing of Tetranitrotetrapropoxycalix[4]arene in Highly Stable Films with Second-Order Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 1998, 4, 1225-1234.	3.3	1
147	Phase transitions of hydroxy-telechelic side-chain liquid crystalline polyethers and polyurethane networks derived thereof. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 1031-1041.	2.2	7
148	Supramolecular Structure, Physical Properties, and Langmuir-Blodgett Film Formation of an Optically Active Liquid-Crystalline Phthalocyanine. <i>Chemistry - A European Journal</i> , 1995, 1, 171-182.	3.3	103
149	Synthesis and Supramolecular Chemistry of Novel Liquid Crystalline Crown Ether-Substituted Phthalocyanines: Toward Molecular Wires and Molecular Ionoelectronics. <i>Journal of the American Chemical Society</i> , 1995, 117, 9957-9965.	13.7	365
150	Construction of a Multiwired Molecular Cable of Micrometer Length by a Self-Assembly Process. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2173-2175.	4.4	77
151	Durch Selbstorganisation zu einem mehradrigen molekularen Kabel mit einer Länge von einigen Mikrometern. <i>Angewandte Chemie</i> , 1994, 106, 2298-2300.	2.0	15
152	Tunable Supramolecular Structures from Clips and Baskets Derived from Glycoluril. <i>Journal of the American Chemical Society</i> , 1994, 116, 8825-8826.	13.7	21
153	Evidence of a chiral superstructure in the discotic mesophase of an optically active phthalocyanine. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 1120.	2.0	31
154	Electro-optic measurements in a nematic side-chain homopolymer during poling. , 1993, ,		3
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156	Orientalional order in aramid solutions determined by diamagnetic susceptibility and birefringence measurements. <i>Macromolecules</i> , 1990, 23, 464-470.	4.8	27
157	Structure and rheology of aramid solutions: x-ray scattering measurements. <i>Macromolecules</i> , 1990, 23, 3849-3854.	4.8	168
158	The order parameters $\langle P_2 \rangle$ and $\langle P_4 \rangle$ in nematic p-alkyl-p'-cyano-biphenyls : polarized Raman measurements and the influence of molecular association. <i>Journal De Physique</i> , 1985, 46, 1443-1449.	1.8	57