Cyrus R Safinya

List of Publications by Year
in descending order

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158	13,275	31976	26613
papers	citations	53 h-index	107 g-index

164	164	164	8873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exosomes are secreted at similar densities by M21 and PC3 human cancer cells and show paclitaxel solubility. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183841.	2.6	1
2	Forced Crowding of Colloids by Thermophoresis and Convection in a Custom Liquid Clusiusâ€“Dickel Microdevice. Langmuir, 2021, 37, 675-682.	3.5	3
3	Paclitaxel loading in cationic liposome vectors is enhanced by replacement of oleoyl with linoleoyl tails with distinct lipid shapes. Scientific Reports, 2021, 11, 7311.	3.3	19
4	Cationic Liposomes as Spatial Organizers of Nucleic Acids in One, Two, and Three Dimensions: Liquid Crystal Phases with Applications in Delivery and Bionanotechnology. , 2021, , 195-209.		2
5	Cationic Liposomes as Vectors for Nucleic Acid and Hydrophobic Drug Therapeutics. Pharmaceutics, 2021, 13, 1365.	4.5	61
6	PEGylation of Paclitaxel-Loaded Cationic Liposomes Drives Steric Stabilization of Bicelles and Vesicles thereby Enhancing Delivery and Cytotoxicity to Human Cancer Cells. ACS Applied Materials & Interfaces, 2020, 12, 151-162.	8.0	45
7	A Multifunctional Lipid Incorporating Active Targeting and Dual-Control Release Capabilities for Precision Drug Delivery. ACS Applied Materials & Interfaces, 2020, 12, 70-85.	8.0	21
8	Tubulin Protofilaments: Tubulin Double Helix: Lateral and Longitudinal Curvature Changes of Tubulin Protofilament (Small 37/2020). Small, 2020, 16, 2070205.	10.0	0
9	Tubulin Double Helix: Lateral and Longitudinal Curvature Changes of Tubulin Protofilament. Small, 2020, 16, 2001240.	10.0	3
10	Assembly of Building Blocks by Double-End-Anchored Polymers in the Dilute Regime Mediated by Hydrophobic Interactions at Controlled Distances. ACS Applied Materials & Interfaces, 2020, 12, 45728-45743.	8.0	3
11	3D Columnar Phase of Stacked Short DNA Organized by Coherent Membrane Undulations. Langmuir, 2019, 35, 11891-11901.	3.5	2
12	A multifunctional lipid that forms contrast-agent liposomes with dual-control release capabilities for precise MRI-guided drug delivery. Biomaterials, 2019, 221, 119412.	11.4	53
13	Minireview - Microtubules and Tubulin Oligomers: Shape Transitions and Assembly by Intrinsically Disordered Protein Tau and Cationic Biomolecules. Langmuir, 2019, 35, 15970-15978.	3.5	4
14	Competition of charge-mediated and specific binding by peptide-tagged cationic liposomeâ€“DNA nanoparticles inÂvitro and inÂvivo. Biomaterials, 2018, 166, 52-63.	11.4	70
15	Comparison between 102k and 20k Poly(ethylene oxide) Depletants in Osmotic Pressure Measurements of Interfilament Forces in Cytoskeletal Systems. ACS Macro Letters, 2018, 7, 228-232.	4.8	3
16	Swelling Inhibition of Liquid Crystalline Colloidal Montmorillonite and Beidellite Clays by DNA. Scientific Reports, 2018, 8, 4367.	3.3	13
17	Reversible Control of Spacing in Charged Lamellar Membrane Hydrogels by Hydrophobically Mediated Tethering with Symmetric and Asymmetric Double-End-Anchored Poly(ethylene glycol)s. ACS Applied Materials & Interfaces, 2018, 10, 44152-44162.	8.0	5
18	Distinct solubility and cytotoxicity regimes of paclitaxel-loaded cationic liposomes at low and high drug content revealed by kinetic phase behavior and cancer cell viability studies. Biomaterials, 2017, 145, 242-255.	11.4	40

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19	Hydration forces between aligned DNA helices undergoing B to A conformational change: In-situ X-ray fiber diffraction studies in a humidity and temperature controlled environment. Journal of Structural Biology, 2017, 200, 283-292.	2.8	4
20	Paclitaxel suppresses Tau-mediated microtubule bundling in a concentration-dependent manner. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3456-3463.	2.4	11
21	Synchrotron small-angle X-ray scattering and electron microscopy characterization of structures and forces in microtubule/Tau mixtures. Methods in Cell Biology, 2017, 141, 155-178.	1.1	1
22	Rab11 and Lysotracker Markers Reveal Correlation between Endosomal Pathways and Transfection Efficiency of Surface-Functionalized Cationic Liposomeâ€“DNA Nanoparticles. Journal of Physical Chemistry B, 2016, 120, 6439-6453.	2.6	29
23	Quantitative Intracellular Localization of Cationic Lipidâ€“Nucleic Acid Nanoparticles with Fluorescence Microscopy. Methods in Molecular Biology, 2016, 1445, 77-108.	0.9	5
24	Tau mediates microtubule bundle architectures mimicking fascicles of microtubules found in the axon initial segment. Nature Communications, 2016, 7, 12278.	12.8	45
25	Cationic liposomeâ€“nucleic acid nanoparticle assemblies with applications in gene delivery and gene silencing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150129.	3.4	54
26	Neurofilament networks: Salt-responsive hydrogels with sidearm-dependent phase behavior. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1560-1569.	2.4	9
27	Synthesis of linear and cyclic peptideâ€“PEGâ€“lipids for stabilization and targeting of cationic liposomeâ€“DNA complexes. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1618-1623.	2.2	32
28	The effect of multivalent cations and Tau on paclitaxel-stabilized microtubule assembly, disassembly, and structure. Advances in Colloid and Interface Science, 2016, 232, 9-16.	14.7	13
29	Patterned Threadlike Micelles and DNA-Tethered Nanoparticles: A Structural Study of PEGylated Cationic Liposomeâ€“DNA Assemblies. Langmuir, 2015, 31, 7073-7083.	3.5	24
30	Fluorescence microscopy colocalization of lipidâ€“nucleic acid nanoparticles with wildtype and mutant Rab5â€“GFP: A platform for investigating early endosomal events. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1308-1318.	2.6	27
31	DDEL-19PENETRATION OF HOMING PEPTIDE-FUNCTIONALIZED NANOPARTICLES TO GLIOMA SPHEROIDS IN VITRO. Neuro-Oncology, 2015, 17, v77.3-v77.	1.2	1
32	Assembly of Biological Nanostructures: Isotropic and Liquid Crystalline Phases of Neurofilament Hydrogels. Annual Review of Condensed Matter Physics, 2015, 6, 113-136.	14.5	15
33	Direct force measurements reveal that protein Tau confers short-range attractions and isoform-dependent steric stabilization to microtubules. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6416-25.	7.1	42
34	Nematic Director Reorientation at Solid and Liquid Interfaces under Flow: SAXS Studies in a Microfluidic Device. Langmuir, 2015, 31, 4361-4371.	3.5	27
35	PEGylated cationic liposomeâ€“DNA complexation in brine is pathway-dependent. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 398-412.	2.6	33
36	Uptake and transfection efficiency of PEGylated cationic liposomeâ€“DNA complexes with and without RGD-tagging. Biomaterials, 2014, 35, 4996-5005.	11.4	81

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37	Transformation of taxol-stabilized microtubules into inverted tubulin tubules triggered by a tubulin conformation switch. Nature Materials, 2014, 13, 195-203.	27.5	50
38	Cationic liposomeâ€“nucleic acid complexes for gene delivery and gene silencing. New Journal of Chemistry, 2014, 38, 5164-5172.	2.8	88
39	Optimizing cationic and neutral lipids for efficient gene delivery at high serum content. Journal of Gene Medicine, 2014, 16, 84-96.	2.8	48
40	Liquid crystal assemblies in biologically inspired systems. Liquid Crystals, 2013, 40, 1748-1758.	2.2	24
41	Neurofilament sidearms modulate parallel and crossed-filament orientations inducing nematic to isotropic and re-entrant birefringent hydrogels. Nature Communications, 2013, 4, 2224.	12.8	39
42	Ion specific effects in bundling and depolymerization of taxol-stabilized microtubules. Faraday Discussions, 2013, 166, 31.	3.2	16
43	Stacking of short DNA induces the gyroid cubic-to-inverted hexagonal phase transition in lipidâ€“DNA complexes. Soft Matter, 2013, 9, 795-804.	2.7	37
44	Structures and interactions in â€˜bottlebrushâ€™ neurofilaments: the role of charged disordered proteins in forming hydrogel networks. Biochemical Society Transactions, 2012, 40, 1027-1031.	3.4	34
45	Liposomes derived from molecular vases. Nature, 2012, 489, 372-374.	27.8	68
46	Structural Evolution of Environmentally Responsive Cationic Liposomeâ€“DNA Complexes with a Reducible Lipid Linker. Langmuir, 2012, 28, 10495-10503.	3.5	25
47	Endosomal escape and transfection efficiency of PEGylated cationic liposomeâ€“DNA complexes prepared with an acid-labile PEG-lipid. Biomaterials, 2012, 33, 4928-4935.	11.4	132
48	Block liposome and nanotube formation is a general phenomenon of two-component membranes containing multivalent lipids. Soft Matter, 2011, 7, 8363.	2.7	11
49	Hierarchical superstructure of alkylamine-coated ZnS nanoparticle assemblies. Physical Chemistry Chemical Physics, 2011, 13, 4974.	2.8	17
50	Nanogyroids Incorporating Multivalent Lipids: Enhanced Membrane Charge Density and Pore Forming Ability for Gene Silencing. Langmuir, 2011, 27, 7691-7697.	3.5	55
51	Two-Dimensional Packing of Short DNA with Nonpairing Overhangs in Cationic Liposomeâ€“DNA Complexes: From Onsager Nematics to Columnar Nematics with Finite-Length Columns. Journal of the American Chemical Society, 2011, 133, 7585-7595.	13.7	42
52	Cationic liposomeâ€“nucleic acid complexes: liquid crystal phases with applications in gene therapy. Liquid Crystals, 2011, 38, 1715-1723.	2.2	42
53	Synthesis and characterization of degradable multivalent cationic lipids with disulfide-bond spacers for gene delivery. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2156-2166.	2.6	69
54	Synchrotron Small Angle X-Ray Scattering Quantitatively Detects Angstrom Level Changes in the Average Radius of Taxol-Stabilized Microtubules Decorated with the Microtubule-Associated-Protein Tau. Journal of Physics: Conference Series, 2011, 272, 012001.	0.4	2

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55	Nanoscale Assembly in Biological Systems: From Neuronal Cytoskeletal Proteins to Curvature Stabilizing Lipids. Advanced Materials, 2011, 23, 2260-2270.	21.0	19
56	Unconventional Salt Trend from Soft to Stiff in Single Neurofilament Biopolymers. Langmuir, 2010, 26, 18595-18599.	3.5	39
57	Gel-expanded to gel-condensed transition in neurofilament networks revealed by direct forceÂmeasurements. Nature Materials, 2010, 9, 40-46.	27.5	81
58	Bundling with X-rays. Science, 2010, 327, 529-530.	12.6	7
59	Cationic Liposomeâ€“Nucleic Acid Complexes for Gene Delivery and Silencing: Pathways and Mechanisms for Plasmid DNA and siRNA. Topics in Current Chemistry, 2010, 296, 191-226.	4.0	131
60	Highly Efficient Gene Silencing Activity of siRNA Embedded in a Nanostructured Gyroid Cubic Lipid Matrix. Journal of the American Chemical Society, 2010, 132, 16841-16847.	13.7	176
61	The Role of Cholesterol and Structurally Related Molecules in Enhancing Transfection of Cationic Liposomeâ”DNA Complexes. Journal of Physical Chemistry B, 2009, 113, 5208-5216.	2.6	50
62	The Temperature-Dependent Structure of Alkylamines and Their Corresponding Alkylammonium-Alkylcarbamates. Journal of the American Chemical Society, 2009, 131, 9107-9113.	13.7	34
63	Block Liposomes from Curvature-Stabilizing Lipids: Connected Nanotubes, -rods, or -spheres. Langmuir, 2009, 25, 2979-2985.	3.5	32
64	The effect of salt and pH on block liposomes studied by cryogenic transmission electron microscopy. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1869-1876.	2.6	15
65	Human Microtubule-Associated-Protein Tau Regulates the Number of Protofilaments in Microtubules: A Synchrotron X-Ray Scattering Study. Biophysical Journal, 2009, 97, 519-527.	0.5	72
66	Block Liposomes. Methods in Enzymology, 2009, 465, 111-128.	1.0	15
67	Liquid Crystalline Phases of Dendritic Lipidâ”DNA Self-Assemblies: Lamellar, Hexagonal, and DNA Bundles. Journal of Physical Chemistry B, 2009, 113, 3694-3703.	2.6	62
68	Reaction of Alkylamine Surfactants with Carbon Dioxide: Relevance to Nanocrystal Synthesis. Nano Letters, 2009, 9, 2088-2093.	9.1	36
69	Transitions between Distinct Compaction Regimes in Complexes of Multivalent Cationic Lipids and DNA. Biophysical Journal, 2008, 95, 836-846.	0.5	42
70	Interplay between Liquid Crystalline and Isotropic Gels in Self-Assembled Neurofilament Networks. Biophysical Journal, 2008, 95, 823-835.	0.5	41
71	Direct Imaging of Aligned Neurofilament Networks Assembled Using In Situ Dialysis in Microchannels. Langmuir, 2008, 24, 8397-8401.	3.5	21
72	Non-Viral Gene Delivery with Cationic Liposomeâ€“DNA Complexes. Methods in Molecular Biology, 2008, 433, 159-175.	0.9	56

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73	Molecular Scale Imaging of F-Actin Assemblies Immobilized on a Photopolymer Surface. Physical Review Letters, 2007, 98, 018101.	7.8	35
74	Structure and Gene Silencing Activities of Monovalent and Pentavalent Cationic Lipid Vectors Complexed with siRNA. Biochemistry, 2007, 46, 4785-4792.	2.5	151
75	Microtubule Protofilament Number Is Modulated in a Stepwise Fashion by the Charge Density of an Enveloping Layer. Biophysical Journal, 2007, 92, 278-287.	0.5	32
76	Hierarchical bionanotubes formed by the self assembly of microtubules with cationic membranes or polypeptides. Journal of Applied Crystallography, 2007, 40, s83-s87.	4.5	7
77	Dendritic Cationic Lipids with Highly Charged Headgroups for Efficient Gene Delivery. Bioconjugate Chemistry, 2006, 17, 877-888.	3.6	59
78	A Columnar Phase of Dendritic Lipidâ˜'Based Cationic Liposomeâ˜'DNA Complexes for Gene Delivery:Â Hexagonally Ordered Cylindrical Micelles Embedded in a DNA Honeycomb Lattice. Journal of the American Chemical Society, 2006, 128, 3998-4006.	13.7	236
79	Cationic liposomeâ€“DNA complexes: from liquid crystal science to gene delivery applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 2573-2596.	3.4	59
80	Cationic membranes complexed with oppositely charged microtubules: hierarchical self-assembly leading to bio-nanotubes. Journal of Physics Condensed Matter, 2006, 18, S1271-S1279.	1.8	3
81	Nanostructured TiO2thin films as porous cellular interfaces. Nanotechnology, 2006, 17, 531-535.	2.6	12
82	New multivalent cationic lipids reveal bell curve for transfection efficiency versus membrane charge density: lipid-DNA complexes for gene delivery. Journal of Gene Medicine, 2005, 7, 739-748.	2.8	180
83	Hierarchical self-assembly of actin bundle networks: Gels with surface protein skin layers. Journal of Chemical Physics, 2005, 123, 104902.	3.0	22
84	Cationic liposome-microtubule complexes: Pathways to the formation of two-state lipid-protein nanotubes with open or closed ends. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11167-11172.	7.1	99
85	Lipoplex Structures and Their Distinct Cellular Pathways. Advances in Genetics, 2005, 53PA, 119-155.	1.8	42
86	Microchannel Systems in Titanium and Silicon for Structural and Mechanical Studies of Aligned Protein Self-Assemblies. Langmuir, 2005, 21, 3910-3914.	3.5	20
87	Radial Compression of Microtubules and the Mechanism of Action of Taxol and Associated Proteins. Biophysical Journal, 2005, 89, 3410-3423.	0.5	70
88	Cationic lipidâ€“DNA complexes for non-viral gene therapy: relating supramolecular structures to cellular pathways. Expert Opinion on Biological Therapy, 2005, 5, 33-53.	3.1	150
89	Cationic Lipid-DNA Complexes for Gene Therapy: Understanding the Relationship Between Complex Structure and Gene Delivery Pathways at the Molecular Level. Current Medicinal Chemistry, 2004, 11, 133-149.	2.4	180
90	Preface [Hot topic: Non-Viral Vectors for Gene Therapy and Drug Delivery (Guest Editor: Cyrus R.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.4	2

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91	Alignment of filamentous proteins and associated molecules through confinement in microchannels. Applied Physics Letters, 2004, 85, 5775-5777.	3.3	10
92	Synchrotron X-ray Diffraction Study of Microtubules Buckling and Bundling under Osmotic Stress: A Probe of Interprotofilament Interactions. Physical Review Letters, 2004, 93, 198104.	7.8	101
93	Higher-order assembly of microtubules by counterions: From hexagonal bundles to living necklaces. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16099-16103.	7.1	162
94	Ordered patterns of liquid crystal toroidal defects by microchannel confinement. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17340-17344.	7.1	102
95	Surface Functionalized Cationic Lipid-DNA Complexes for Gene Delivery: PEGylated Lamellar Complexes Exhibit Distinct DNA-DNA Interaction Regimes. Biophysical Journal, 2004, 86, 1160-1168.	0.5	74
96	Supramolecular Assembly of Biological Molecules. , 2004, , 29-50.		1
97	Macromolecules at surfaces: Research challenges and opportunities from tribology to biology. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2755-2793.	2.1	151
98	Three-Dimensional Imaging of Lipid Gene-Carriers: Membrane Charge Density Controls Universal Transfection Behavior in Lamellar Cationic Liposome-DNA Complexes. Biophysical Journal, 2003, 84, 3307-3316.	0.5	225
99	Structure of Actin Cross-Linked withÎ±-Actinin: A Network of Bundles. Physical Review Letters, 2003, 91, 148102.	7.8	103
100	Lamellar Phase of Stacked Two-Dimensional Rafts of Actin Filaments. Physical Review Letters, 2003, 91, 018103.	7.8	103
101	Metal layer Braggâ€“Fresnel lenses for diffraction focusing of hard x-rays. Applied Physics Letters, 2003, 82, 2538-2540.	3.3	9
102	The x-ray surface forces apparatus for simultaneous x-ray diffraction and direct normal and lateral force measurements. Review of Scientific Instruments, 2002, 73, 2486-2488.	1.3	22
103	Efficient Synthesis and Cell-Transfection Properties of a New Multivalent Cationic Lipid for Nonviral Gene Delivery. Journal of Medicinal Chemistry, 2002, 45, 5023-5029.	6.4	134
104	Controlled Modification of Microstructured Silicon Surfaces for Confinement of Biological Macromolecules and Liquid Crystals. Langmuir, 2001, 17, 5343-5351.	3.5	31
105	Title is missing!. Biomedical Microdevices, 2001, 3, 239-244.	2.8	15
106	Structures of lipidâ€“DNA complexes: supramolecular assembly and gene delivery. Current Opinion in Structural Biology, 2001, 11, 440-448.	5.7	360
107	Direct Observation of Shear-Induced Orientational Phase Coexistence in a Lyotropic System Using a Modified X-Ray Surface Forces Apparatus. Physical Review Letters, 2001, 86, 1263-1266.	7.8	42
108	DNA condensation in two dimensions. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 14046-14051.	7.1	195

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109	Hierarchical Self-Assembly of F-Actin and Cationic Lipid Complexes: Stacked Three-Layer Tubule Networks. Science, 2000, 288, 2035-2039.	12.6	196
110	Structure of Complexes of Cationic Lipids and Poly(Glutamic Acid) Polypeptides:Â A Pinched Lamellar Phase. Journal of the American Chemical Society, 2000, 122, 26-34.	13.7	58
111	Characterizing the hard x-ray diffraction properties of a GaAs linear Braggâ€“Fresnel lens. Applied Physics Letters, 2000, 77, 313-315.	3.3	5
112	Membrane Mediated Attraction and Ordered Aggregation of Colloidal Particles Bound to Giant Phospholipid Vesicles. Physical Review Letters, 1999, 82, 1991-1994.	7.8	146
113	Phase Behavior and Interactions of the Membrane-Protein Bacteriorhodopsin. Physical Review Letters, 1999, 82, 3184-3187.	7.8	39
114	Self Assembled Structures of Lipid-DNA Nonviral Gene Delivery Systems. Nature Biotechnology, 1999, 17, 12-12.	17.5	0
115	Phase Diagram, Stability, and Overcharging of Lamellar Cationic Lipidâ€“DNA Self-Assembled Complexes. Biophysical Journal, 1999, 77, 915-924.	0.5	301
116	Synthesis of Novel Cationic Poly(Ethylene Glycol) Containing Lipids. Bioconjugate Chemistry, 1999, 10, 548-552.	3.6	33
117	Self-Assembled Structures of Lipid/DNA Nonviral Gene Delivery Systems from Synchrotron X-Ray Diffraction. , 1999, , 91-117.		6
118	An Inverted Hexagonal Phase of Cationic Liposome-DNA Complexes Related to DNA Release and Delivery. , 1998, 281, 78-81.		1,183
119	DNA at membrane surfaces: An experimental overview. Current Opinion in Colloid and Interface Science, 1998, 3, 69-77.	7.4	37
120	Braggâ€“Fresnel optics for hard x-ray microscopy: Development of fabrication process and x-ray characterization at the Advanced Photon Source. Review of Scientific Instruments, 1998, 69, 2844-2848.	1.3	10
121	The Influence of Polymer Molecular Weight in Lamellar Gels Based on PEG-Lipids. Biophysical Journal, 1998, 75, 272-293.	0.5	58
122	Structure and Interfacial Aspects of Self-Assembled Cationic Lipidâ^'DNA Gene Carrier Complexes. Langmuir, 1998, 14, 4272-4283.	3.5	132
123	Mesoscopic structure of DNAâ€“membrane self-assemblies: Microdiffraction and manipulation on lithographic substrates. Applied Physics Letters, 1998, 73, 2042-2044.	3.3	10
124	Stacked 2D Crystalline Sheets of the Membrane-Protein Bacteriorhodopsin: A Specular and Diffuse Reflectivity Study. Physical Review Letters, 1998, 81, 2494-2497.	7.8	21
125	Direct Observation of a Defect-Mediated Viscoelastic Transition in a Hydrogel of Lipid Membranes and Polymer Lipids. Physical Review Letters, 1997, 78, 4781-4784.	7.8	35
126	Lamellar biogels comprising fluid membranes with a newly synthesized class of polyethylene glycol-surfactants. Journal of Chemical Physics, 1997, 107, 3707-3722.	3.0	31

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127	Two-Dimensional Smectic Ordering of Linear DNA Chains in Self-Assembled DNA-Cationic Liposome Mixtures. Physical Review Letters, 1997, 79, 2582-2585.	7.8	206
128	Structure of DNA-Cationic Liposome Complexes: DNA Intercalation in Multilamellar Membranes in Distinct Interhelical Packing Regimes. Science, 1997, 275, 810-814.	12.6	1,385
129	Imaging Complex Fluids Under Confinement and Flow: Development of Bragg-Fresnel Optics for X-ray Microdiffraction. Materials Research Society Symposia Proceedings, 1996, 464, 301.	0.1	0
130	Structure under confinement in a smectic-A and lyotropic surfactant hexagonal phase. Physica B: Condensed Matter, 1996, 221, 289-295.	2.7	14
131	Structure in a Confined Smectic Liquid Crystal with Competing Surface and Sample Elasticities. Physical Review Letters, 1996, 76, 1477-1480.	7.8	56
132	Membrane-Associated-Proteins: Self-Assembly, Interactions, and Biomolecular Materials. , 1996, , 103-134.		0
133	Self-assembly and protein stability. Nature, 1994, 370, 105-106.	27.8	7
134	Structure of Complex Fluids under Flow and Confinement. ACS Symposium Series, 1994, , 288-299.	0.5	6
135	Lyotropic Lamellar L Î± Phases. Partially Ordered Systems, 1994, , 303-346.	6.5	13
136	Stabilization of the membrane protein bacteriorhodopsin to 140 Â°C in two-dimensional films. Nature, 1993, 366, 48-50.	27.8	159
137	Xâ€ray Couette shear cell for nonequilibrium structural studies of complex fluids under flow. Review of Scientific Instruments, 1993, 64, 1309-1318.	1.3	29
138	Molecular director and layer response of chevron surface stabilized ferroelectric liquid crystals to low electric field. Liquid Crystals, 1992, 11, 581-592.	2.2	32
139	Local layer structure of the steep field line defect in surface-stabilized ferroelectric liquid crystal cells. Liquid Crystals, 1992, 12, 891-904.	2.2	12
140	A New Mechanism for Lubrication in Liquid Crystals. Materials Research Society Symposia Proceedings, 1992, 290, 3.	0.1	1
141	Nematic to smectic-Aphase transition under shear flow: A nonequilibrium synchrotron x-ray study. Physical Review Letters, 1991, 66, 1986-1989.	7.8	148
142	Universality in interacting membranes: The effect of cosurfactants on the interfacial rigidity. Physical Review Letters, 1989, 62, 1134-1137.	7.8	259
143	Structure of theLÎ²phases in a hydrated phosphatidylcholine multimembrane. Physical Review Letters, 1988, 60, 813-816.	7.8	191
144	"Chevron" Local Layer Structure in Surface-Stabilized Ferroelectric Smectic-CCells. Physical Review Letters, 1987, 59, 2658-2661.	7.8	504

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145	Antiferromagnetism inLa2CuO4â^'y. Physical Review Letters, 1987, 58, 2802-2805.	7.8	1,089
146	Steric Interactions in a Model Multimembrane System: A Synchrotron X-Ray Study. Physical Review Letters, 1986, 57, 2718-2721.	7.8	403
147	X-Ray Study of the Nematic Phase andSmecticâ^'A1â^'toâ^'Smecticâ^'Ì‚fPhase Transition in Heptylphenyl Nitrobenzoloxybenzoate (DB7NO2). Physical Review Letters, 1986, 57, 432-435.	7.8	28
148	Structure of Aggregated Gold Colloids. Physical Review Letters, 1986, 57, 595-598.	7.8	209
149	Charge Transfer Salts of Highly Oriented Fibers of Discotic Liquid Crystal HET-n. Molecular Crystals and Liquid Crystals, 1985, 125, 279-288.	0.8	35
150	Synchrotron X-Ray Study of the Orientational OrderingD2â^'D1Structural Phase Transition of Freely Suspended Discotic Strands in Triphenylene Hexa-n-dodecanoate. Physical Review Letters, 1984, 53, 1172-1175.	7.8	79
151	High-Resolution X-Ray Scattering Study of the Nematic-to-Smectic-CTransitions in8Â¯S5â^'7Â¯S5Mixtures. Physical Review Letters, 1983, 50, 56-59.	7.8	41
152	Critical Fluctuations near a Nematic-Smectic-A-Smectic-CMulticritical Point. Physical Review Letters, 1981, 47, 668-671.	7.8	57
153	Competing Order Parameters in Quenched Random Alloys:Fe1â^'xCoxCl2. Physical Review Letters, 1980, 45, 1974-1977.	7.8	97
154	Experimental Observation of Anomalous Ordering in a Landau-Peierls System. Physical Review Letters, 1977, 39, 1668-1671.	7.8	58
155	High-Resolution X-Ray Study of a Second-Order Nematicâ€"Smectic-APhase Transition. Physical Review Letters, 1977, 39, 352-355.	7.8	106
156	Biophysics and biomolecular materials. , 0, , 405-443.		2
157	Lipidâ€"DNA Interactions: Structureâ€"Function Studies of Nanomaterials for Gene Delivery. , 0, , 377-404.		3
158	Structure and structure-activity correlations of cationic lipid/DNA complexes. , 0, , 190-209.		3