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	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
2	An Inverted Hexagonal Phase of Cationic Liposome-DNA Complexes Related to DNA Release and Delivery. , 1998, 281, 78-81.		1,183
3	Antiferromagnetism inLa2CuO4â^'y. Physical Review Letters, 1987, 58, 2802-2805.	7.8	1,089
4	"Chevron" Local Layer Structure in Surface-Stabilized Ferroelectric Smectic-CCells. Physical Review Letters, 1987, 59, 2658-2661.	7.8	504
5	Steric Interactions in a Model Multimembrane System: A Synchrotron X-Ray Study. Physical Review Letters, 1986, 57, 2718-2721.	7.8	403
6	Structures of lipidâ€"DNA complexes: supramolecular assembly and gene delivery. Current Opinion in Structural Biology, 2001, 11, 440-448.	5.7	360
7	Phase Diagram, Stability, and Overcharging of Lamellar Cationic Lipidâ€"DNA Self-Assembled Complexes. Biophysical Journal, 1999, 77, 915-924.	0.5	301
8	Universality in interacting membranes: The effect of cosurfactants on the interfacial rigidity. Physical Review Letters, 1989, 62, 1134-1137.	7.8	259
9	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
10	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
11	Structure of Aggregated Gold Colloids. Physical Review Letters, 1986, 57, 595-598.	7.8	209
12	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
13	Hierarchical Self-Assembly of F-Actin and Cationic Lipid Complexes: Stacked Three-Layer Tubule Networks. Science, 2000, 288, 2035-2039.	12.6	196
14	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
15	Structure of theLÎ²phases in a hydrated phosphatidylcholine multimembrane. Physical Review Letters, 1988, 60, 813-816.	7.8	191
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	Stabilization of the membrane protein bacteriorhodopsin to 140 Â°C in two-dimensional films. Nature, 1993, 366, 48-50.	27.8	159
21	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
22	Structure and Gene Silencing Activities of Monovalent and Pentavalent Cationic Lipid Vectors Complexed with siRNA. Biochemistry, 2007, 46, 4785-4792.	2.5	151
23	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
24	Nematic to smectic-Aphase transition under shear flow: A nonequilibrium synchrotron x-ray study. Physical Review Letters, 1991, 66, 1986-1989.	7.8	148
25	Membrane Mediated Attraction and Ordered Aggregation of Colloidal Particles Bound to Giant Phospholipid Vesicles. Physical Review Letters, 1999, 82, 1991-1994.	7.8	146
26	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
27	Structure and Interfacial Aspects of Self-Assembled Cationic Lipidâ^'DNA Gene Carrier Complexes. Langmuir, 1998, 14, 4272-4283.	3.5	132
28	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
29	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
30	High-Resolution X-Ray Study of a Second-Order Nematicâ€”Smectic-APhase Transition. Physical Review Letters, 1977, 39, 352-355.	7.8	106
31	Structure of Actin Cross-Linked withÎ±-Actinin: A Network of Bundles. Physical Review Letters, 2003, 91, 148102.	7.8	103
32	Lamellar Phase of Stacked Two-Dimensional Rafts of Actin Filaments. Physical Review Letters, 2003, 91, 018103.	7.8	103
33	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
34	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
35	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
36	Competing Order Parameters in Quenched Random Alloys:Fe1â^'xCoxCl2. Physical Review Letters, 1980, 45, 1974-1977.	7.8	97

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37	Cationic liposomeâ€“nucleic acid complexes for gene delivery and gene silencing. New Journal of Chemistry, 2014, 38, 5164-5172.	2.8	88
38	Gel-expanded to gel-condensed transition in neurofilament networks revealed by direct forceÂmeasurements. Nature Materials, 2010, 9, 40-46.	27.5	81
39	Uptake and transfection efficiency of PEGylated cationic liposomeâ€“DNA complexes with and without RGD-tagging. Biomaterials, 2014, 35, 4996-5005.	11.4	81
40	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
41	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
42	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
43	Radial Compression of Microtubules and the Mechanism of Action of Taxol and Associated Proteins. Biophysical Journal, 2005, 89, 3410-3423.	0.5	70
44	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
45	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
46	Liposomes derived from molecular vases. Nature, 2012, 489, 372-374.	27.8	68
47	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
48	Cationic Liposomes as Vectors for Nucleic Acid and Hydrophobic Drug Therapeutics. Pharmaceutics, 2021, 13, 1365.	4.5	61
49	Dendritic Cationic Lipids with Highly Charged Headgroups for Efficient Gene Delivery. Bioconjugate Chemistry, 2006, 17, 877-888.	3.6	59
50	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
51	Experimental Observation of Anomalous Ordering in a Landau-Peierls System. Physical Review Letters, 1977, 39, 1668-1671.	7.8	58
52	The Influence of Polymer Molecular Weight in Lamellar Gels Based on PEG-Lipids. Biophysical Journal, 1998, 75, 272-293.	0.5	58
53	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
54	Critical Fluctuations near a Nematic-Smectic-A-Smectic-CMulticritical Point. Physical Review Letters, 1981, 47, 668-671.	7.8	57

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55	Structure in a Confined Smectic Liquid Crystal with Competing Surface and Sample Elasticities. Physical Review Letters, 1996, 76, 1477-1480.	7.8	56
56	Non-Viral Gene Delivery with Cationic Liposomeâ€“DNA Complexes. Methods in Molecular Biology, 2008, 433, 159-175.	0.9	56
57	Nanogyroids Incorporating Multivalent Lipids: Enhanced Membrane Charge Density and Pore Forming Ability for Gene Silencing. Langmuir, 2011, 27, 7691-7697.	3.5	55
58	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
59	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
60	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
61	Transformation of taxol-stabilized microtubules into inverted tubulin tubules triggered by a tubulin conformation switch. Nature Materials, 2014, 13, 195-203.	27.5	50
62	Optimizing cationic and neutral lipids for efficient gene delivery at high serum content. Journal of Gene Medicine, 2014, 16, 84-96.	2.8	48
63	Tau mediates microtubule bundle architectures mimicking fascicles of microtubules found in the axon initial segment. Nature Communications, 2016, 7, 12278.	12.8	45
64	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
65	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
66	Lipoplex Structures and Their Distinct Cellular Pathways. Advances in Genetics, 2005, 53PA, 119-155.	1.8	42
67	Transitions between Distinct Compaction Regimes in Complexes of Multivalent Cationic Lipids and DNA. Biophysical Journal, 2008, 95, 836-846.	0.5	42
68	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
69	Cationic liposomeâ€“nucleic acid complexes: liquid crystal phases with applications in gene therapy. Liquid Crystals, 2011, 38, 1715-1723.	2.2	42
70	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
71	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
72	Interplay between Liquid Crystalline and Isotropic Gels in Self-Assembled Neurofilament Networks. Biophysical Journal, 2008, 95, 823-835.	0.5	41

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73	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
74	Phase Behavior and Interactions of the Membrane-Protein Bacteriorhodopsin. Physical Review Letters, 1999, 82, 3184-3187.	7.8	39
75	Unconventional Salt Trend from Soft to Stiff in Single Neurofilament Biopolymers. Langmuir, 2010, 26, 18595-18599.	3.5	39
76	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
77	DNA at membrane surfaces: An experimental overview. Current Opinion in Colloid and Interface Science, 1998, 3, 69-77.	7.4	37
78	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
79	Reaction of Alkylamine Surfactants with Carbon Dioxide: Relevance to Nanocrystal Synthesis. Nano Letters, 2009, 9, 2088-2093.	9.1	36
80	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
81	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
82	Molecular Scale Imaging of F-Actin Assemblies Immobilized on a Photopolymer Surface. Physical Review Letters, 2007, 98, 018101.	7.8	35
83	The Temperature-Dependent Structure of Alkylamines and Their Corresponding Alkylammonium-Alkylcarbamates. Journal of the American Chemical Society, 2009, 131, 9107-9113.	13.7	34
84	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
85	Synthesis of Novel Cationic Poly(Ethylene Glycol) Containing Lipids. Bioconjugate Chemistry, 1999, 10, 548-552.	3.6	33
86	PEGylated cationic liposomeâ€“DNA complexation in brine is pathway-dependent. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 398-412.	2.6	33
87	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
88	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
89	Block Liposomes from Curvature-Stabilizing Lipids: Connected Nanotubes, -rods, or -spheres. Langmuir, 2009, 25, 2979-2985.	3.5	32
90	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

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91	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
92	Controlled Modification of Microstructured Silicon Surfaces for Confinement of Biological Macromolecules and Liquid Crystals. Langmuir, 2001, 17, 5343-5351.	3.5	31
93	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
94	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
95	X-Ray Study of the Nematic Phase andSmecticâ^'A1â^'toâ^'Smecticâ^'Ì ƒPhase Transition in Heptylphenyl Nitrobenzoloxybenzoate (DB7NO2). Physical Review Letters, 1986, 57, 432-435.	7.8	28
96	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
97	Nematic Director Reorientation at Solid and Liquid Interfaces under Flow: SAXS Studies in a Microfluidic Device. Langmuir, 2015, 31, 4361-4371.	3.5	27
98	Structural Evolution of Environmentally Responsive Cationic Liposomeâ€“DNA Complexes with a Reducible Lipid Linker. Langmuir, 2012, 28, 10495-10503.	3.5	25
99	Liquid crystal assemblies in biologically inspired systems. Liquid Crystals, 2013, 40, 1748-1758.	2.2	24
100	Patterned Threadlike Micelles and DNA-Tethered Nanoparticles: A Structural Study of PEGylated Cationic Liposomeâ€“DNA Assemblies. Langmuir, 2015, 31, 7073-7083.	3.5	24
101	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
102	Hierarchical self-assembly of actin bundle networks: Gels with surface protein skin layers. Journal of Chemical Physics, 2005, 123, 104902.	3.0	22
103	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
104	Direct Imaging of Aligned Neurofilament Networks Assembled Using In Situ Dialysis in Microchannels. Langmuir, 2008, 24, 8397-8401.	3.5	21
105	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
106	Microchannel Systems in Titanium and Silicon for Structural and Mechanical Studies of Aligned Protein Self-Assemblies. Langmuir, 2005, 21, 3910-3914.	3.5	20
107	Nanoscale Assembly in Biological Systems: From Neuronal Cytoskeletal Proteins to Curvature Stabilizing Lipids. Advanced Materials, 2011, 23, 2260-2270.	21.0	19
108	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

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109	Hierarchical superstructure of alkylamine-coated ZnS nanoparticle assemblies. Physical Chemistry Chemical Physics, 2011, 13, 4974.	2.8	17
110	Ion specific effects in bundling and depolymerization of taxol-stabilized microtubules. Faraday Discussions, 2013, 166, 31.	3.2	16
111	Title is missing!. Biomedical Microdevices, 2001, 3, 239-244.	2.8	15
112	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
113	Block Liposomes. Methods in Enzymology, 2009, 465, 111-128.	1.0	15
114	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
115	Structure under confinement in a smectic-A and lyotropic surfactant hexagonal phase. Physica B: Condensed Matter, 1996, 221, 289-295.	2.7	14
116	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
117	Swelling Inhibition of Liquid Crystalline Colloidal Montmorillonite and Beidellite Clays by DNA. Scientific Reports, 2018, 8, 4367.	3.3	13
118	Lyotropic Lamellar L Î± Phases. Partially Ordered Systems, 1994, , 303-346.	6.5	13
119	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
120	Nanostructured TiO2thin films as porous cellular interfaces. Nanotechnology, 2006, 17, 531-535.	2.6	12
121	Block liposome and nanotube formation is a general phenomenon of two-component membranes containing multivalent lipids. Soft Matter, 2011, 7, 8363.	2.7	11
122	Paclitaxel suppresses Tau-mediated microtubule bundling in a concentration-dependent manner. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3456-3463.	2.4	11
123	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
124	Mesoscopic structure of DNAâ€“membrane self-assemblies: Microdiffraction and manipulation on lithographic substrates. Applied Physics Letters, 1998, 73, 2042-2044.	3.3	10
125	Alignment of filamentous proteins and associated molecules through confinement in microchannels. Applied Physics Letters, 2004, 85, 5775-5777.	3.3	10
126	Metal layer Braggâ€“Fresnel lenses for diffraction focusing of hard x-rays. Applied Physics Letters, 2003, 82, 2538-2540.	3.3	9

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127	Neurofilament networks: Salt-responsive hydrogels with sidearm-dependent phase behavior. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1560-1569.	2.4	9
128	Self-assembly and protein stability. Nature, 1994, 370, 105-106.	27.8	7
129	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
130	Bundling with X-rays. Science, 2010, 327, 529-530.	12.6	7
131	Structure of Complex Fluids under Flow and Confinement. ACS Symposium Series, 1994, , 288-299.	0.5	6
132	Self-Assembled Structures of Lipid/DNA Nonviral Gene Delivery Systems from Synchrotron X-Ray Diffraction. , 1999, , 91-117.		6
133	Characterizing the hard x-ray diffraction properties of a GaAs linear Braggâ€“Fresnel lens. Applied Physics Letters, 2000, 77, 313-315.	3.3	5
134	Quantitative Intracellular Localization of Cationic Lipidâ€“Nucleic Acid Nanoparticles with Fluorescence Microscopy. Methods in Molecular Biology, 2016, 1445, 77-108.	0.9	5
135	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
136	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
137	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
138	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
139	Lipidâ€“DNA Interactions: Structureâ€“Function Studies of Nanomaterials for Gene Delivery. , 0, , 377-404.		3
140	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
141	Tubulin Double Helix: Lateral and Longitudinal Curvature Changes of Tubulin Protofilament. Small, 2020, 16, 2001240.	10.0	3
142	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
143	Forced Crowding of Colloids by Thermophoresis and Convection in a Custom Liquid Clusiusâ€“Dickel Microdevice. Langmuir, 2021, 37, 675-682.	3.5	3
144	Structure and structure-activity correlations of cationic lipid/DNA complexes. , 0, , 190-209.		3

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145	Preface [Hot topic: Non-Viral Vectors for Gene Therapy and Drug Delivery (Guest Editor: Cyrus R.) Tj ETQq1 1 0.784314 rgBT /Overloc	2.4	2
146	Biophysics and biomolecular materials. , 0, , 405-443.		2
147	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
148	3D Columnar Phase of Stacked Short DNA Organized by Coherent Membrane Undulations. Langmuir, 2019, 35, 11891-11901.	3.5	2
149	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
150	A New Mechanism for Lubrication in Liquid Crystals. Materials Research Society Symposia Proceedings, 1992, 290, 3.	0.1	1
151	DDEL-19PENETRATION OF HOMING PEPTIDE-FUNCTIONALIZED NANOPARTICLES TO GLIOMA SPHEROIDS IN VITRO. Neuro-Oncology, 2015, 17, v77.3-v77.	1.2	1
152	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
153	Supramolecular Assembly of Biological Molecules. , 2004, , 29-50.		1
154	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
155	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
156	Self Assembled Structures of Lipid-DNA Nonviral Gene Delivery Systems. Nature Biotechnology, 1999, 17, 12-12.	17.5	0
157	Tubulin Protofilaments: Tubulin Double Helix: Lateral and Longitudinal Curvature Changes of Tubulin Protofilament (Small 37/2020). Small, 2020, 16, 2070205.	10.0	0
158	Membrane-Associated-Proteins: Self-Assembly, Interactions, and Biomolecular Materials. , 1996, , 103-134.		0