Atul N Parikh

List of Publications by Year
in descending order

169 papers	10,082 citations	61945 43 h-index	36008 97 g-index
175 all docs	175 docs citations	175 times ranked	11608 citing authors

#	Article	IF	Citations
1	Comparison of the structures and wetting properties of self-assembled monolayers of n-alkanethiols on the coinage metal surfaces, copper, silver, and gold. Journal of the American Chemical Society, 1991, 113, 7152-7167.	6.6	1,895
2	The targeted delivery of multicomponent cargos to cancer cells by nanoporous particle-supported lipid bilayers. Nature Materials, 2011, 10, 389-397.	13.3	933
3	Self-Assembled Monolayers and Multilayers of Conjugated Thiols, .alpha.,.omega.-Dithiols, and Thioacetyl-Containing Adsorbates. Understanding Attachments between Potential Molecular Wires and Gold Surfaces. Journal of the American Chemical Society, 1995, 117, 9529-9534.	6.6	710
4	An Intrinsic Relationship between Molecular Structure in Self-Assembled n-Alkylsiloxane Monolayers and Deposition Temperature. The Journal of Physical Chemistry, 1994, 98, 7577-7590.	2.9	428
5	In vivo lipidomics using single-cell Raman spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3809-3814.	3.3	378
6	Quantitative determination of molecular structure in multilayered thin films of biaxial and lower symmetry from photon spectroscopies. I. Reflection infrared vibrational spectroscopy. Journal of Chemical Physics, 1992, 96, 927-945.	1.2	323
7	n-Alkylsiloxanes:Â From Single Monolayers to Layered Crystals. The Formation of Crystalline Polymers from the Hydrolysis ofn-Octadecyltrichlorosilane. Journal of the American Chemical Society, 1997, 119, 3135-3143.	6.6	299
8	Evidence for a Unique Chain Organization in Long Chain Silane Monolayers Deposited on Two Widely Different Solid Substrates. Langmuir, 1995, 11, 2357-2360.	1.6	288
9	A new class of organized self-assembled monolayers: alkane thiols on gallium arsenide(100). Journal of the American Chemical Society, 1992, 114, 1514-1515.	6.6	241
10	Subâ€10 nm lithography with selfâ€assembled monolayers. Applied Physics Letters, 1996, 68, 1504-1506.	1.5	186
11	A New Application of UVâ^'Ozone Treatment in the Preparation of Substrate-Supported, Mesoporous Thin Films. Chemistry of Materials, 2000, 12, 3879-3884.	3.2	128
12	Oscillatory phase separation in giant lipid vesicles induced by transmembrane osmotic differentials. ELife, 2014, 3, e03695.	2.8	120
13	Electron-Beam-Induced Damage in Self-Assembled Monolayers. The Journal of Physical Chemistry, 1996, 100, 15900-15909.	2.9	113
14	Alkyl Selenide- and Alkyl Thiolate-Functionalized Gold Nanoparticles:â€‰ Chain Packing and Bond Nature. Langmuir, 2003, 19, 9450-9458.	1.6	109
15	Long-range interlayer alignment of intralayer domains in stacked lipid bilayers. Nature Materials, 2012, 11, 1074-1080.	13.3	109
16	Nanometer-scale phase separation in mixed composition self-assembled monolayers. Nanotechnology, 1996, 7, 438-442.	1.3	105
17	Characterization of Chain Molecular Assemblies in Long-Chain, Layered Silver Thiolates:Â A Joint Infrared Spectroscopy and X-ray Diffraction Study. Journal of Physical Chemistry B, 1999, 103, 2850-2861.	1.2	105
18	Characterization of Physical Properties of Supported Phospholipid Membranes Using Imaging Ellipsometry at Optical Wavelengths. Biophysical Journal, 2007, 92, 1306-1317.	0.2	104

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19	Reconstituted Lipoprotein: A Versatile Class of Biologically-Inspired Nanostructures. ACS Nano, 2011, 5, 42-57.	7.3	95
20	Correlation of Molecular Organization and Substrate Wettability in the Self-Assembly of n-Alkylsiloxane Monolayers. The Journal of Physical Chemistry, 1995, 99, 9996-10008.	2.9	88
21	Phospholipid Morphologies on Photochemically Patterned Silane Monolayers. Journal of the American Chemical Society, 2005, 127, 6752-6765.	6.6	84
22	Lipid Lateral Mobility and Membrane Phase Structure Modulation by Protein Binding. Journal of the American Chemical Society, 2006, 128, 15221-15227.	6.6	83
23	Membrane Photolithography: Direct Micropatterning and Manipulation of Fluid Phospholipid Membranes in the Aqueous Phase Using Deep-UV Light. Advanced Materials, 2004, 16, 1184-1189.	11.1	82
24	Optical characterization of electronic transitions arising from the Au/S interface of self-assembled n-alkanethiolate monolayers. Chemical Physics Letters, 1995, 246, 90-94.	1.2	80
25	Direct Photochemical Patterning and Refunctionalization of Supported Phospholipid Bilayers. Journal of the American Chemical Society, 2004, 126, 13962-13972.	6.6	70
26	Pulsatile Lipid Vesicles under Osmotic Stress. Biophysical Journal, 2017, 112, 1682-1691.	0.2	68
27	Scanning Force Microscopy Study of Patterned Monolayers of Alkanethiols on Gold. Importance of Tipâ^'Sample Contact Area in Interpreting Force Modulation and Friction Force Microscopy Images. Langmuir, 1997, 13, 373-377.	1.6	67
28	Early Stages of Oxidative Stress-Induced Membrane Permeabilization: A Neutron Reflectometry Study. Journal of the American Chemical Society, 2009, 131, 3631-3638.	6.6	62
29	Hybrid, Nanoscale Phospholipid/Block Copolymer Vesicles. Polymers, 2013, 5, 1102-1114.	2.0	60
30	Phase Behavior of a Structurally Constrained Organicâ^'Inorganic Crystal: Temperature-Dependent Infrared Spectroscopy of Silvern-Dodecanethiolate. Journal of Physical Chemistry B, 2000, 104, 627-635.	1.2	58
31	The existence of structure progressions and wetting transitions in intermediately disordered monolayer alkyl chain assemblies. Journal of Chemical Physics, 1994, 100, 1761-1764.	1.2	57
32	Mixing Water, Transducing Energy, and Shaping Membranes: Autonomously Self-Regulating Giant Vesicles. Langmuir, 2016, 32, 2151-2163.	1.6	57
33	Energetics of Self-Assembly and Chain Confinement in Silver Alkanethiolates:â€‰ Enthalpyâ^'Entropy Interplay. Chemistry of Materials, 2005, 17, 5428-5438.	3.2	54
34	Bending Membranes on Demand: Fluid Phospholipid Bilayers on Topographically Deformable Substrates. Nano Letters, 2008, 8, 866-871.	4.5	54
35	Triglyceride-rich lipoprotein lipolysis increases aggregation of endothelial cell membrane microdomains and produces reactive oxygen species. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H237-H244.	1.5	53
36	Formation of Cholesterol-Rich Supported Membranes Using Solvent-Assisted Lipid Self-Assembly. Langmuir, 2014, 30, 13345-13352.	1.6	53

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37	Micropatterning of Proteins and Mammalian Cells on Indium Tin Oxide. ACS Applied Materials & Interfaces, 2009, 1, 2592-2601.	4.0	52
38	Transient pearling and vesiculation of membrane tubes under osmotic gradients. Faraday Discussions, 2013, 161, 167-176.	1.6	49
39	Coupled membrane lipid miscibility and phosphotyrosine-driven protein condensation phase transitions. Biophysical Journal, 2021, 120, 1257-1265.	0.2	49
40	A Class of Supported Membranes:Â Formation of Fluid Phospholipid Bilayers on Photonic Band Gap Colloidal Crystals. Journal of the American Chemical Society, 2006, 128, 62-63.	6.6	48
41	Integrating Sensing Hydrogel Microstructures into Micropatterned Hepatocellular Cocultures. Langmuir, 2009, 25, 3880-3886.	1.6	47
42	Lactosomes: Structural and Compositional Classification of Unique Nanometer-Sized Protein Lipid Particles of Human Milk. Journal of Agricultural and Food Chemistry, 2010, 58, 11234-11242.	2.4	46
43	Photochemical Pattern Transfer and Enhancement of Thin Film Silica Mesophases. Nano Letters, 2003, 3, 719-722.	4.5	45
44	Surfactant Removal and Silica Condensation during the Photochemical Calcination of Thin Film Silica Mesophases. Journal of Physical Chemistry B, 2005, 109, 14551-14556.	1.2	45
45	Neutron Reflectivity Study of Lipid Membranes Assembled on Ordered Nanocomposite and Nanoporous Silica Thin Films. Langmuir, 2005, 21, 2865-2870.	1.6	45
46	Infrared Spectroscopic Characterization of Lipidâ"Alkylsiloxane Hybrid Bilayer Membranes at Oxide Substrates. Langmuir, 1999, 15, 5369-5381.	1.6	43
47	Kinetics and Interpenetration of Ionically Self-Assembled Dendrimer and PAZO Multilayers. Journal of Physical Chemistry B, 2002, 106, 1697-1702.	1.2	42
48	Materials Science of Supported Lipid Membranes. MRS Bulletin, 2006, 31, 507-512.	1.7	42
49	Surface-energy dependent spreading of lipid monolayers and bilayers. Soft Matter, 2007, 3, 974.	1.2	42
50	Reconstituting ring-rafts in bud-mimicking topography of model membranes. Nature Communications, 2014, 5, 4507.	5.8	41
51	Cholesterol Partition and Condensing Effect in Phase-Separated Ternary Mixture Lipid Multilayers. Biophysical Journal, 2016, 110, 1355-1366.	0.2	41
52	pH Responsive Polymer Cushions for Probing Membrane Environment Interactions. Nano Letters, 2011, 11, 2169-2172.	4.5	38
53	Pulsatile Gating of Giant Vesicles Containing Macromolecular Crowding Agents Induced by Colligative Nonideality. Journal of the American Chemical Society, 2018, 140, 691-699.	6.6	37
54	Direct Patterning of Membrane-Derivatized Colloids Using In-Situ UV-Ozone Photolithography. Advanced Materials, 2005, 17, 1477-1480.	11.1	36

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55	Order at the Edge of the Bilayer: Membrane Remodeling at the Edge of a Planar Supported Bilayer Is Accompanied by a Localized Phase Change. Journal of the American Chemical Society, 2010, 132, 9320-9327.	6.6	36
56	Topography-Driven Shape, Spread, and Retention of Leaf Surface Water Impacts Microbial Dispersion and Activity in the Phyllosphere. Phytobiomes Journal, 2020, 4, 268-280.	1.4	36
57	Evidence for Leaflet-Dependent Redistribution of Charged Molecules in Fluid Supported Phospholipid Bilayers. Langmuir, 2008, 24, 13250-13253.	1.6	35
58	Role of Squalene in the Organization of Monolayers Derived from Lipid Extracts of Halobacterium salinarum. Langmuir, 2013, 29, 7922-7930.	1.6	35
59	Evidence for cholera aggregation on GM1-decorated lipid bilayers. Colloids and Surfaces B: Biointerfaces, 2004, 33, 45-51.	2.5	34
60	Infrared characterization of amorphous and polycrystalline D2O ice on controlled wettability self-assembled alkanethiolate monolayers. Journal of Chemical Physics, 1997, 106, 3038-3048.	1.2	33
61	Study of the Conformational Structure and Cluster Formation in a Langmuirâ^'Blodgett Film Using Second Harmonic Generation, Second Harmonic Microscopy, and FTIR Spectroscopy. Langmuir, 1999, 15, 1275-1282.	1.6	32
62	Osmotic Gradients Induce Bio-Reminiscent Morphological Transformations in Giant Unilamellar Vesicles. Frontiers in Physiology, 2012, 3, 120.	1.3	32
63	Mixing, Diffusion, and Percolation in Binary Supported Membranes Containing Mixtures of Lipids and Amphiphilic Block Copolymers. Journal of the American Chemical Society, 2014, 136, 10186-10189.	6.6	32
64	Multilayer Self-Assembly of Amphiphilic Cyclodextrin Hosts on Bare and Modified Gold Substrates:â€‰ Controlling Aggregation via Surface Modification. Langmuir, 1998, 14, 137-144.	1.6	31
65	Non-thermal calcination by ultraviolet irradiation in the synthesis of microporous materials. Microporous and Mesoporous Materials, 2004, 76, 17-22.	2.2	31
66	Protecting, patterning, and scaffolding supported lipid membranes using carbohydrate glasses. Lab on A Chip, 2008, 8, 892.	3.1	29
67	Carbon Nanotube Porins in Amphiphilic Block Copolymers as Fully Synthetic Mimics of Biological Membranes. Advanced Materials, 2018, 30, e1803355.	11.1	29
68	A Chainâ€Elongated Oligophenylenevinylene Electrolyte Increases Microbial Membrane Stability. Advanced Materials, 2019, 31, e1808021.	11.1	29
69	HDL Glycoprotein Composition and Site-Specific Glycosylation Differentiates Between Clinical Groups and Affects IL-6 Secretion in Lipopolysaccharide-Stimulated Monocytes. Scientific Reports, 2017, 7, 43728.	1.6	28
70	Formation of Spatially Patterned Colloidal Photonic Crystals through the Control of Capillary Forces and Template Recognition. Langmuir, 2005, 21, 11588-11591.	1.6	27
71	Observation of Stripe Superstructure in the Î²-Two-Phase Coexistence Region of Cholesterolâ€“Phospholipid Mixtures in Supported Membranes. Journal of the American Chemical Society, 2014, 136, 16962-16965.	6.6	27
72	Patterned When Wet:â€‰ Environment-Dependent Multifunctional Patterns within Amphiphilic Colloidal Crystals. Nano Letters, 2007, 7, 3822-3826.	4.5	26

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73	Templating membrane assembly, structure, and dynamics using engineered interfaces. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 839-850.	1.4	26
74	Photoinduced grating formation in azo-dye-labeled phospholipid thin films by 244-nm light. Optics Letters, 2005, 30, 501.	1.7	23
75	Optical Detection of Ion-Channel-Induced Proton Transport in Supported Phospholipid Bilayers. Nano Letters, 2007, 7, 2446-2451.	4.5	23
76	Ganglioside embedded in reconstituted lipoprotein binds cholera toxin with elevated affinity. Journal of Lipid Research, 2010, 51, 2731-2738.	2.0	23
77	Protein receptor-independent plasma membrane remodeling by HAMLET: a tumoricidal protein-lipid complex. Scientific Reports, 2015, 5, 16432.	1.6	23
78	Photochemical template removal and spatial patterning of zeolite MFI thin films using UV/ozone treatment. Microporous and Mesoporous Materials, 2005, 87, 45-51.	2.2	22
79	Cell Attachment Behavior on Solid and Fluid Substrates Exhibiting Spatial Patterns of Physical Properties. Langmuir, 2009, 25, 6992-6996.	1.6	22
80	Stability of Uniâ€•and Multillamellar Spherical Vesicles. ChemPhysChem, 2012, 13, 314-322.	1.0	22
81	Spontaneous formation of nanometer scale tubular vesicles in aqueous mixtures of lipid and block copolymer amphiphiles. Soft Matter, 2017, 13, 1107-1115.	1.2	22
82	Defects in Microcontact-Printed and Solution-Grown Self-Assembled Monolayers. Langmuir, 1999, 15, 1595-1598.	1.6	20
83	Cholesterol-Enriched Domain Formation Induced by Viral-Encoded, Membrane-Active Amphipathic Peptide. Biophysical Journal, 2016, 110, 176-187.	0.2	20
84	Thirdâ€Party ATP Sensing in Polymersomes: A Labelâ€Free Assay of Enzyme Reactions in Vesicular Compartments. Small, 2014, 10, 442-447.	5.2	19
85	Response of microbial membranes to butanol: interdigitationvs.disorder. Physical Chemistry Chemical Physics, 2019, 21, 11903-11915.	1.3	19
86	Nonequilibrium Patterns of Cholesterol-Rich Chemical Heterogenieties within Single Fluid Supported Phospholipid Bilayer Membranes. Langmuir, 2006, 22, 5374-5384.	1.6	18
87	Fas Signaling Induces Raft Coalescence That Is Blocked by Cholesterol Depletion in Human RPE Cells Undergoing Apoptosis. , 2006, 47, 2172.		18
88	On-Demand Self-Assembly of Supported Membranes Using Sacrificial, Anhydrobiotic Sugar Coats. Journal of the American Chemical Society, 2014, 136, 60-63.	6.6	18
89	Lipid Membrane Deformation Accompanied by Disk-to-Ring Shape Transition of Cholesterol-Rich Domains. Journal of the American Chemical Society, 2015, 137, 8692-8695.	6.6	18
90	Leaf Surface Topography Contributes to the Ability of Escherichia coli on Leafy Greens to Resist Removal by Washing, Escape Disinfection With Chlorine, and Disperse Through Splash. Frontiers in Microbiology, 2020, 11, 1485.	1.5	18

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91	Nonequilibrium Pattern Formation in Langmuir-Phase Assisted Assembly of Alkylsiloxane Monolayers. Journal of Physical Chemistry B, 1999, 103, 10149-10157.	1.2	17
92	Membrane-substrate interface: Phospholipid bilayers at chemically and topographically structured surfaces. Biointerphases, 2008, 3, FA22-FA32.	0.6	16
93	Direct visualization of phase transition dynamics in binary supported phospholipid bilayers using imaging ellipsometry. Soft Matter, 2008, 4, 1161.	1.2	16
94	Preparation, characterization, and surface immobilization of native vesicles obtained by mechanical extrusion of mammalian cells. Integrative Biology (United Kingdom), 2012, 4, 685.	0.6	16
95	Engineering the interface between lipid membranes and nanoporous gold: A study by quartz crystal microbalance with dissipation monitoring. Biointerphases, 2018, 13, 011002.	0.6	16
96	A comparison of lateral diffusion in supported lipid monolayers and bilayers. Soft Matter, 2010, 6, 5877.	1.2	15
97	Inhibiting hostâ€“pathogen interactions using membrane-based nanostructures. Trends in Biotechnology, 2012, 30, 323-330.	4.9	15
98	Analysis of Lipid Phase Behavior and Protein Conformational Changes in Nanolipoprotein Particles upon Entrapment in Solâ€“Gel-Derived Silica. Langmuir, 2014, 30, 9780-9788.	1.6	15
99	The Influence of Spin-Labeled Fluorene Compounds on the Assembly and Toxicity of the AÎ² Peptide. PLoS ONE, 2012, 7, e35443.	1.1	15
100	Dynamic Recompartmentalization of Supported Lipid Bilayers Using Focused Femtosecond Laser Pulses. Journal of the American Chemical Society, 2007, 129, 2422-2423.	6.6	14
101	Continuity of Monolayer-Bilayer Junctions for Localization of Lipid Raft Microdomains in Model Membranes. Scientific Reports, 2016, 6, 26823.	1.6	14
102	Crystallization of Cholesterol in Phospholipid Membranes Follows Ostwaldâ€™s Rule of Stages. Journal of the American Chemical Society, 2020, 142, 21872-21882.	6.6	14
103	Bridging Across Length Scales: Multi-Scale Ordering of Supported Lipid Bilayers via Lipoprotein Self-assembly and Surface Patterning. Journal of the American Chemical Society, 2008, 130, 11164-11169.	6.6	13
104	Liposil-supported lipid bilayers as a hybrid platform for drug delivery. Soft Matter, 2011, 7, 1001-1005.	1.2	13
105	Rigid Molecular Model for the Assembly Characteristics and Optimal Structure in Molecular Monolayers of Alkanethiols on Au(111)â€. Langmuir, 2003, 19, 1474-1485.	1.6	12
106	Model Studies of Membrane Disruption by Photogenerated Oxidative Assault. Journal of Physical Chemistry B, 2010, 114, 6377-6385.	1.2	12
107	Frustrated Phase Transformations in Supported, Interdigitating Lipid Bilayers. Journal of Physical Chemistry B, 2010, 114, 215-219.	1.2	12
108	Permeability and Line-Tension-Dependent Response of Polyunsaturated Membranes to Osmotic Stresses. Biophysical Journal, 2018, 115, 1942-1955.	0.2	12

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109	Transition from Homogeneous Langmuirâ^'Blodgett Monolayers to Striped Bilayers Driven by a Wetting Instability in Octadecylsiloxane Monolayers. Langmuir, 2005, 21, 10468-10474.	1.6	11
110	Patterning Fluid and Elastomeric Surfaces Using Short-Wavelength UV Radiation and Photogenerated Reactive Oxygen Species. Annual Review of Physical Chemistry, 2008, 59, 411-432.	4.8	11
111	Thermally induced phase separation in supported bilayers of glycosphingolipid and phospholipid mixtures. Biointerphases, 2010, 5, 120-130.	0.6	11
112	Characterization of Supported Membranes on Topographically Patterned Polymeric Elastomers and Their Applications to Microcontact Printing. Langmuir, 2007, 23, 12645-12654.	1.6	10
113	Structural Configuration of Myelin Figures Using Fluorescence Microscopy. International Journal of Photoenergy, 2012, 2012, 1-7.	1.4	10
114	Lithographically Defined Macroscale Modulation of Lateral Fluidity and Phase Separation Realized via Patterned Nanoporous Silica-Supported Phospholipid Bilayers. Journal of the American Chemical Society, 2013, 135, 15718-15721.	6.6	10
115	Recurrent dynamics of rupture transitions of giant lipid vesicles at solid surfaces. Biophysical Journal, 2021, 120, 586-597.	0.2	10
116	Amino Acid Catalyzed Bulk-Phase Gelation of Organoalkoxysilanes via a Transient Co-operative Self-Assembly. Journal of Physical Chemistry B, 2009, 113, 13491-13498.	1.2	9
117	Programmed Bending Reveals Dynamic Mechanochemical Coupling in Supported Lipid Bilayers. PLoS ONE, 2011, 6, e28517.	1.1	9
118	Influence of Vesicle Size and Aqueous Solvent on Intact Phospholipid Vesicle Adsorption on Oxidized Gold Monitored Using Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 2412-2418.	1.5	9
119	Salt-induced lipid transfer between colloidal supported lipid bilayers. Soft Matter, 2010, 6, 2628.	1.2	8
120	Brownian Dynamics of Electrostatically Adhering Small Vesicles to a Membrane Surface Induces Domains and Probes Viscosity. Langmuir, 2016, 32, 5445-5450.	1.6	8
121	Biologically inspired far-from-equilibrium materials. MRS Bulletin, 2019, 44, 91-95.	1.7	8
122	Mimicking Thylakoid Membrane with Chlorophyll/TiO₂/Lipid Co-Assembly for Light-Harvesting and Oxygen Releasing. ACS Applied Materials & Interfaces, 2021, 13, 11461-11469.	4.0	8
123	The Biomolecular Interface. Langmuir, 2003, 19, 1449-1450.	1.6	7
124	Glass Bead Probes of Local Structural and Mechanical Properties of Fluid, Supported Membranes. ChemPhysChem, 2006, 7, 1678-1681.	1.0	7
125	Nanofiber-supported phospholipid bilayers. Soft Matter, 2009, 5, 5037.	1.2	7
126	A comparison of detergent action on supported lipid monolayers and bilayers. Soft Matter, 2012, 8, 3734.	1.2	7

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127	A New Route to Liposil Formation by an Interfacial Solâ€“Gel Process Confined by Lipid Bilayer. ACS Applied Materials & Interfaces, 2015, 7, 25039-25044.	4.0	7
128	Substituent-Dominated Structure Evolution during Solâˆ’Gel Synthesis: A Comparative Study of Solâˆ’Gel Processing of 3-Glycidoxypropyltrimethoxysilane and Methacryloxypropyltrimethoxysilane. Langmuir, 2010, 26, 7708-7716.	1.6	6
129	A Stripe-to-Droplet Transition Driven by Conformational Transitions in a Binary Lipidâˆ’Lipopolymer Mixture at the Airâˆ’Water Interface. Langmuir, 2011, 27, 1900-1906.	1.6	6
130	Substrate suppression of thermal roughness in stacked supported bilayers. Physical Review E, 2011, 84, 041914.	0.8	6
131	Biosensing Extracellular Vesicle Subpopulations in Neurodegenerative Disease Conditions. ACS Sensors, 2022, 7, 1657-1665.	4.0	6
132	Evidence for Interleaflet Slip During Spreading of Single Lipid Bilayers at Hydrophilic Solids. ChemPhysChem, 2009, 10, 2787-2790.	1.0	5
133	Lipid Membrane Domains for the Selective Adsorption and Surface Patterning of Conjugated Polyelectrolytes. Langmuir, 2013, 29, 5214-5221.	1.6	5
134	Evolution of Conformational Order During Self-Assembly of n-Alkanethiols on Hg Droplets: An Infrared Spectromicroscopy Study. Langmuir, 2013, 29, 8203-8207.	1.6	5
135	Discovery and mechanistic characterization of a structurally-unique membrane active peptide. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183394.	1.4	5
136	Nonequilibrium Self-Organization of Lipids into Hierarchically Ordered and Compositionally Graded Cylindrical Smectics. Langmuir, 2022, 38, 1045-1056.	1.6	5
137	Surfactant-Mediated Solubilization of Myelin Figures: A Multistep Morphological Cascade. Langmuir, 2022, 38, 8805-8816.	1.6	5
138	Use of attenuated total reflectance Fourier transform infrared spectroscopy to study lactosylceramide and GD3 DMPC bilayers. Colloids and Surfaces B: Biointerfaces, 2012, 94, 374-377.	2.5	4
139	Interlamellar Organization of Phase Separated Domains in Multi-Component Lipid Multilayers: Energetic Considerations. International Journal of Molecular Sciences, 2013, 14, 3824-3833.	1.8	4
140	Spontaneous Vesiculation and pH-Induced Disassembly of a Lysosomotropic Detergent: Impacts on Lysosomotropism and Lysosomal Delivery. Langmuir, 2016, 32, 13566-13575.	1.6	4
141	Minimal Reconstitution of Membranous Web Induced by a Vesicleâ€“Peptide Solâ€“Gel Transition. Biomacromolecules, 2019, 20, 1709-1718.	2.6	4
142	Effects of Optical Anisotropy on Spectro-ellipsometric Data for Thin Films and Surfaces. Physics of Thin Films, 1994, 19, 279-314.	1.1	4
143	Mechanism of Surfactant Removal from Ordered Nanocomposite Silica Thin Films by Deep-UV Light Exposure. Materials Research Society Symposia Proceedings, 2003, 788, 7111.	0.1	3
144	Lipid bilayers on topochemically structured planar colloidal crystals: a versatile platform for optical recording of membrane-mediated ion transport. Soft Matter, 2010, 6, 5334.	1.2	3

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145	Use of attenuated total reflectance Fourier transform infrared spectroscopy to monitor the development of lipid aggregate structures. Applied Optics, 2012, 51, 2842.	0.9	3
146	One-Step Assembly of TiO₂â€“Liposomes Based on Interfacial Solâ€“Gel Process within Lipid Bilayer. Langmuir, 2019, 35, 7018-7025.	1.6	3
147	Thermal Annealing Triggers Collapse of Biphasic Supported Lipid Bilayers into Multilayer Islands. Langmuir, 2014, 30, 4962-4969.	1.6	2
148	Phase-transition based transduction in a biosensor. Synthetic Metals, 1999, 102, 1452-1453.	2.1	1
149	Engineered Nanolipoproteins as Biosynthetic Decoys for Pathogen-Binding. Biophysical Journal, 2010, 98, 691a.	0.2	1
150	Polymersomes: Third-Party ATP Sensing in Polymersomes: A Label-Free Assay of Enzyme Reactions in Vesicular Compartments (Small 3/2014). Small, 2014, 10, 441-441.	5.2	1
151	Phase seperation of lipids in supported membranes on patterned PDMS substrate. Materials Today: Proceedings, 2021, 46, 2515-2519.	0.9	1
152	Interactions of different lipoproteins with supported phospholipid raft membrane (SPRM) patterns to understand similar in-vivo processes. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183535.	1.4	1
153	Amphiphilic Membrane Environments Regulate Enzymatic Behaviors of Salmonella Outer Membrane Protease. ACS Bio & Med Chem Au, 2022, 2, 73-83.	1.7	1
154	Prepolymerized Langmuirâ€”Blodgett Films of n-Octadecylsiloxane Monolayers. ACS Symposium Series, 1996, , 355-363.	0.5	0
155	Critical Instability Leads To Labyrinthine Transition In Binary Lipid/Polymer Monolayers. Biophysical Journal, 2009, 96, 460a.	0.2	0
156	Real Time Fluorescence Microscopy Observations of Dehydration-Induced Domain Formation in Raft Forming Multi Lamellar Lipid Stacks. Biophysical Journal, 2010, 98, 205a.	0.2	0
157	Optical Control of Cell Death: Translation of a Temporal Process toÂa Spatial Display. Biophysical Journal, 2010, 98, 690a.	0.2	0
158	Dynamic and Static Measurements of A Single and Double Phospholipid Bilayer System. Biophysical Journal, 2010, 98, 220a.	0.2	0
159	X-Ray Reflectivity and Diffuse Scattering Study of Effect of Ca2+ on Cushioned Lipid Bilayer. Biophysical Journal, 2012, 102, 382a.	0.2	0
160	Silica-Based Preservation of Membranes and Whole Cells: Exploring Mechanism and Applications. Biophysical Journal, 2012, 102, 190a.	0.2	0
161	Interaction of sphingomyelinase with sphingomyelin-containing supported membranes. Soft Matter, 2013, 9, 10413.	1.2	0
162	Characterization of buried metal-molecule-metal junctions using Fourier transform infrared microspectroscopy. Review of Scientific Instruments, 2014, 85, 094103.	0.6	0

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163	Medium Matters: Order through Fluctuations?. Biophysical Journal, 2015, 108, 2751-2753.	0.2	0
164	Irreversible Thermodynamics of Lipid Vesicles under Osmotic Stress. Biophysical Journal, 2016, 110, 371a.	0.2	0
165	Mixing Water, Tranducing Energy, Shaping Membranes. Biophysical Journal, 2018, 114, 367a.	0.2	0
166	Conjugated Oligoelectrolytes: A Chainâ€Elongated Oligophenylenevinylene Electrolyte Increases Microbial Membrane Stability (Adv. Mater. 18/2019). Advanced Materials, 2019, 31, 1970133.	11.1	0
167	Effects of triglycerideâ€rich lipoproteins and their lipolysis products on endothelial cell membrane microdomains. FASEB Journal, 2006, 20, A915.	0.2	0
168	Study of Membrane Dynamics with Biophotonic Techniques. , 2008, , .		0
169	Impact of Surface Polarity on Lipid Assembly under Spatial Confinement. Langmuir, 2022, 38, 7545-7557.	1.6	0