

Atul N Parikh

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157
papers

8,959
citations

42
h-index

92
g-index

175
ext. papers

9,541
ext. citations

6.6
avg, IF

5.6
L-index

#	Paper	IF	Citations
157	Comparison of the structures and wetting properties of self-assembled monolayers of n-alkanethiols on the coinage metal surfaces, copper, silver, and gold. <i>Journal of the American Chemical Society</i> , 1991 , 113, 7152-7167	16.4	1747
156	The targeted delivery of multicomponent cargos to cancer cells by nanoporous particle-supported lipid bilayers. <i>Nature Materials</i> , 2011 , 10, 389-97	27	838
155	Self-Assembled Monolayers and Multilayers of Conjugated Thiols, α,ω -Dithiols, and Thioacetyl-Containing Adsorbates. Understanding Attachments between Potential Molecular Wires and Gold Surfaces. <i>Journal of the American Chemical Society</i> , 1995 , 117, 9529-9534	16.4	660
154	An Intrinsic Relationship between Molecular Structure in Self-Assembled n-Alkylsiloxane Monolayers and Deposition Temperature. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 7577-7590		403
153	In vivo lipidomics using single-cell Raman spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3809-14	11.5	309
152	Quantitative determination of molecular structure in multilayered thin films of biaxial and lower symmetry from photon spectroscopies. I. Reflection infrared vibrational spectroscopy. <i>Journal of Chemical Physics</i> , 1992 , 96, 927-945	3.9	308
151	Evidence for a Unique Chain Organization in Long Chain Silane Monolayers Deposited on Two Widely Different Solid Substrates. <i>Langmuir</i> , 1995 , 11, 2357-2360	4	272
150	n-Alkylsiloxanes: From Single Monolayers to Layered Crystals. The Formation of Crystalline Polymers from the Hydrolysis of n-Octadecyltrichlorosilane. <i>Journal of the American Chemical Society</i> , 1997 , 119, 3135-3143	16.4	268
149	A new class of organized self-assembled monolayers: alkane thiols on gallium arsenide(100). <i>Journal of the American Chemical Society</i> , 1992 , 114, 1514-1515	16.4	217
148	Sub-10 nm lithography with self-assembled monolayers. <i>Applied Physics Letters</i> , 1996 , 68, 1504-1506	3.4	161
147	A New Application of UV/Ozone Treatment in the Preparation of Substrate-Supported, Mesoporous Thin Films. <i>Chemistry of Materials</i> , 2000 , 12, 3879-3884	9.6	116
146	Electron-Beam-Induced Damage in Self-Assembled Monolayers. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 15900-15909		107
145	Alkyl Selenide- and Alkyl Thiolate-Functionalized Gold Nanoparticles: Chain Packing and Bond Nature. <i>Langmuir</i> , 2003 , 19, 9450-9458	4	104
144	Characterization of Chain Molecular Assemblies in Long-Chain, Layered Silver Thiolates: A Joint Infrared Spectroscopy and X-ray Diffraction Study. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 2850-2861 ³⁻⁴		102
143	Nanometer-scale phase separation in mixed composition self-assembled monolayers. <i>Nanotechnology</i> , 1996 , 7, 438-442	3.4	97
142	Characterization of physical properties of supported phospholipid membranes using imaging ellipsometry at optical wavelengths. <i>Biophysical Journal</i> , 2007 , 92, 1306-17	2.9	94
141	Long-range interlayer alignment of intralayer domains in stacked lipid bilayers. <i>Nature Materials</i> , 2012 , 11, 1074-80	27	91

140	Correlation of Molecular Organization and Substrate Wettability in the Self-Assembly of n-Alkylsiloxane Monolayers. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 9996-10008		87
139	Oscillatory phase separation in giant lipid vesicles induced by transmembrane osmotic differentials. <i>ELife</i> , 2014 , 3, e03695	8.9	85
138	Reconstituted lipoprotein: a versatile class of biologically-inspired nanostructures. <i>ACS Nano</i> , 2011 , 5, 42-57	16.7	83
137	Phospholipid morphologies on photochemically patterned silane monolayers. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6752-65	16.4	80
136	Lipid lateral mobility and membrane phase structure modulation by protein binding. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15221-7	16.4	78
135	Optical characterization of electronic transitions arising from the Au/S interface of self-assembled n-alkanethiolate monolayers. <i>Chemical Physics Letters</i> , 1995 , 246, 90-94	2.5	75
134	Membrane Photolithography: Direct Micropatterning and Manipulation of Fluid Phospholipid Membranes in the Aqueous Phase Using Deep-UV Light. <i>Advanced Materials</i> , 2004 , 16, 1184-1189	24	74
133	Direct photochemical patterning and refunctionalization of supported phospholipid bilayers. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13962-72	16.4	69
132	Scanning Force Microscopy Study of Patterned Monolayers of Alkanethiols on Gold. Importance of Tip-Sample Contact Area in Interpreting Force Modulation and Friction Force Microscopy Images. <i>Langmuir</i> , 1997 , 13, 373-377	4	59
131	Early stages of oxidative stress-induced membrane permeabilization: a neutron reflectometry study. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3631-8	16.4	54
130	Phase Behavior of a Structurally Constrained Organic-Inorganic Crystal: Temperature-Dependent Infrared Spectroscopy of Silver-Dodecanethiolate. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 627-635	3.4	54
129	The existence of structure progressions and wetting transitions in intermediately disordered monolayer alkyl chain assemblies. <i>Journal of Chemical Physics</i> , 1994 , 100, 1761-1764	3.9	52
128	Micropatterning of proteins and mammalian cells on indium tin oxide. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2592-601	9.5	51
127	Pulsatile Lipid Vesicles under Osmotic Stress. <i>Biophysical Journal</i> , 2017 , 112, 1682-1691	2.9	49
126	Energetics of Self-Assembly and Chain Confinement in Silver Alkanethiolates: Enthalpy-Entropy Interplay. <i>Chemistry of Materials</i> , 2005 , 17, 5428-5438	9.6	48
125	Mixing Water, Transducing Energy, and Shaping Membranes: Autonomously Self-Regulating Giant Vesicles. <i>Langmuir</i> , 2016 , 32, 2151-63	4	47
124	Bending membranes on demand: fluid phospholipid bilayers on topographically deformable substrates. <i>Nano Letters</i> , 2008 , 8, 866-71	11.5	47
123	Hybrid, Nanoscale Phospholipid/Block Copolymer Vesicles. <i>Polymers</i> , 2013 , 5, 1102-1114	4.5	46

122	Triglyceride-rich lipoprotein lipolysis increases aggregation of endothelial cell membrane microdomains and produces reactive oxygen species. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H237-44	5.2	46
121	A class of supported membranes: formation of fluid phospholipid bilayers on photonic band gap colloidal crystals. <i>Journal of the American Chemical Society</i> , 2006 , 128, 62-3	16.4	46
120	Integrating sensing hydrogel microstructures into micropatterned hepatocellular cocultures. <i>Langmuir</i> , 2009 , 25, 3880-6	4	44
119	Surfactant removal and silica condensation during the photochemical calcination of thin film silica mesophases. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 14551-6	3.4	44
118	Formation of cholesterol-rich supported membranes using solvent-assisted lipid self-assembly. <i>Langmuir</i> , 2014 , 30, 13345-52	4	43
117	Neutron reflectivity study of lipid membranes assembled on ordered nanocomposite and nanoporous silica thin films. <i>Langmuir</i> , 2005 , 21, 2865-70	4	43
116	Photochemical Pattern Transfer and Enhancement of Thin Film Silica Mesophases. <i>Nano Letters</i> , 2003 , 3, 719-722	11.5	43
115	Lactosomes: structural and compositional classification of unique nanometer-sized protein lipid particles of human milk. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 11234-42	5.7	41
114	Materials Science of Supported Lipid Membranes. <i>MRS Bulletin</i> , 2006 , 31, 507-512	3.2	41
113	Infrared Spectroscopic Characterization of Lipid-Alkylsiloxane Hybrid Bilayer Membranes at Oxide Substrates. <i>Langmuir</i> , 1999 , 15, 5369-5381	4	40
112	Transient pearling and vesiculation of membrane tubes under osmotic gradients. <i>Faraday Discussions</i> , 2013 , 161, 167-76; discussion 273-303	3.6	38
111	Surface-energy dependent spreading of lipid monolayers and bilayers. <i>Soft Matter</i> , 2007 , 3, 974-977	3.6	38
110	Kinetics and Interpenetration of Ionically Self-Assembled Dendrimer and PAZO Multilayers. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 1697-1702	3.4	37
109	pH responsive polymer cushions for probing membrane environment interactions. <i>Nano Letters</i> , 2011 , 11, 2169-72	11.5	35
108	Evidence for leaflet-dependent redistribution of charged molecules in fluid supported phospholipid bilayers. <i>Langmuir</i> , 2008 , 24, 13250-3	4	34
107	Direct Patterning of Membrane-Derivatized Colloids Using In-Situ UV-Ozone Photolithography. <i>Advanced Materials</i> , 2005 , 17, 1477-1480	24	34
106	Order at the edge of the bilayer: membrane remodeling at the edge of a planar supported bilayer is accompanied by a localized phase change. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9320-7	16.4	33
105	Reconstituting ring-rafts in bud-mimicking topography of model membranes. <i>Nature Communications</i> , 2014 , 5, 4507	17.4	32

104	Evidence for cholera aggregation on GM1-decorated lipid bilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 33, 45-51	6	32
103	Infrared characterization of amorphous and polycrystalline D2O ice on controlled wettability self-assembled alkanethiolate monolayers. <i>Journal of Chemical Physics</i> , 1997 , 106, 3038-3048	3.9	31
102	Cholesterol Partition and Condensing Effect in Phase-Separated Ternary Mixture Lipid Multilayers. <i>Biophysical Journal</i> , 2016 , 110, 1355-66	2.9	29
101	Protecting, patterning, and scaffolding supported lipid membranes using carbohydrate glasses. <i>Lab on A Chip</i> , 2008 , 8, 892-7	7.2	28
100	Non-thermal calcination by ultraviolet irradiation in the synthesis of microporous materials. <i>Microporous and Mesoporous Materials</i> , 2004 , 76, 17-22	5.3	28
99	Study of the Conformational Structure and Cluster Formation in a Langmuir-Blodgett Film Using Second Harmonic Generation, Second Harmonic Microscopy, and FTIR Spectroscopy. <i>Langmuir</i> , 1999 , 15, 1275-1282	4	28
98	Osmotic gradients induce bio-reminiscent morphological transformations in giant unilamellar vesicles. <i>Frontiers in Physiology</i> , 2012 , 3, 120	4.6	27
97	Mixing, diffusion, and percolation in binary supported membranes containing mixtures of lipids and amphiphilic block copolymers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10186-9	16.4	26
96	Multilayer Self-Assembly of Amphiphilic Cyclodextrin Hosts on Bare and Modified Gold Substrates: Controlling Aggregation via Surface Modification. <i>Langmuir</i> , 1998 , 14, 137-144	4	26
95	Patterned when wet: environment-dependent multifunctional patterns within amphiphilic colloidal crystals. <i>Nano Letters</i> , 2007 , 7, 3822-6	11.5	25
94	Templating membrane assembly, structure, and dynamics using engineered interfaces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 839-50	3.8	24
93	Formation of spatially patterned colloidal photonic crystals through the control of capillary forces and template recognition. <i>Langmuir</i> , 2005 , 21, 11588-91	4	24
92	Pulsatile Gating of Giant Vesicles Containing Macromolecular Crowding Agents Induced by Colligative Nonideality. <i>Journal of the American Chemical Society</i> , 2018 , 140, 691-699	16.4	23
91	Observation of Stripe Superstructure in the Two-Phase Coexistence Region of Cholesterol-Phospholipid Mixtures in Supported Membranes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16962-5	16.4	23
90	Role of squalene in the organization of monolayers derived from lipid extracts of <i>Halobacterium salinarum</i> . <i>Langmuir</i> , 2013 , 29, 7922-30	4	23
89	Optical detection of ion-channel-induced proton transport in supported phospholipid bilayers. <i>Nano Letters</i> , 2007 , 7, 2446-51	11.5	23
88	HDL Glycoprotein Composition and Site-Specific Glycosylation Differentiates Between Clinical Groups and Affects IL-6 Secretion in Lipopolysaccharide-Stimulated Monocytes. <i>Scientific Reports</i> , 2017 , 7, 43728	4.9	21
87	Ganglioside embedded in reconstituted lipoprotein binds cholera toxin with elevated affinity. <i>Journal of Lipid Research</i> , 2010 , 51, 2731-8	6.3	21

86	Stability of uni- and multilamellar spherical vesicles. <i>ChemPhysChem</i> , 2012 , 13, 314-22	3.2	20
85	Spontaneous formation of nanometer scale tubular vesicles in aqueous mixtures of lipid and block copolymer amphiphiles. <i>Soft Matter</i> , 2017 , 13, 1107-1115	3.6	19
84	Cell attachment behavior on solid and fluid substrates exhibiting spatial patterns of physical properties. <i>Langmuir</i> , 2009 , 25, 6992-6	4	19
83	Photochemical template removal and spatial patterning of zeolite MFI thin films using UV/ozone treatment. <i>Microporous and Mesoporous Materials</i> , 2005 , 87, 45-51	5.3	19
82	Photoinduced grating formation in azo-dye-labeled phospholipid thin films by 244-nm light. <i>Optics Letters</i> , 2005 , 30, 501-3	3	18
81	A Chain-Elongated Oligophenylenevinylene Electrolyte Increases Microbial Membrane Stability. <i>Advanced Materials</i> , 2019 , 31, e1808021	24	17
80	Cholesterol-Enriched Domain Formation Induced by Viral-Encoded, Membrane-Active Amphipathic Peptide. <i>Biophysical Journal</i> , 2016 , 110, 176-87	2.9	17
79	On-demand self-assembly of supported membranes using sacrificial, anhydrobiotic sugar coats. <i>Journal of the American Chemical Society</i> , 2014 , 136, 60-3	16.4	17
78	Third-party ATP sensing in polymersomes: a label-free assay of enzyme reactions in vesicular compartments. <i>Small</i> , 2014 , 10, 442-7, 441	11	17
77	Nonequilibrium patterns of cholesterol-rich chemical heterogeneities within single fluid supported phospholipid bilayer membranes. <i>Langmuir</i> , 2006 , 22, 5374-84	4	17
76	Defects in Microcontact-Printed and Solution-Grown Self-Assembled Monolayers. <i>Langmuir</i> , 1999 , 15, 1595-1598	4	17
75	Direct visualization of phase transition dynamics in binary supported phospholipid bilayers using imaging ellipsometry. <i>Soft Matter</i> , 2008 , 4, 1161-1164	3.6	16
74	Carbon Nanotube Porins in Amphiphilic Block Copolymers as Fully Synthetic Mimics of Biological Membranes. <i>Advanced Materials</i> , 2018 , 30, e1803355	24	16
73	Protein receptor-independent plasma membrane remodeling by HAMLET: a tumoricidal protein-lipid complex. <i>Scientific Reports</i> , 2015 , 5, 16432	4.9	15
72	Membrane-substrate interface: phospholipid bilayers at chemically and topographically structured surfaces. <i>Biointerphases</i> , 2008 , 3, FA22	1.8	15
71	Fas signaling induces raft coalescence that is blocked by cholesterol depletion in human RPE cells undergoing apoptosis. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 2172-8		15
70	Engineering the interface between lipid membranes and nanoporous gold: A study by quartz crystal microbalance with dissipation monitoring. <i>Biointerphases</i> , 2018 , 13, 011002	1.8	14
69	Preparation, characterization, and surface immobilization of native vesicles obtained by mechanical extrusion of mammalian cells. <i>Integrative Biology (United Kingdom)</i> , 2012 , 4, 685-92	3.7	14

68	A comparison of lateral diffusion in supported lipid monolayers and bilayers. <i>Soft Matter</i> , 2010 , 6, 5877	3.6	14
67	Coupled membrane lipid miscibility and phosphotyrosine-driven protein condensation phase transitions. <i>Biophysical Journal</i> , 2021 , 120, 1257-1265	2.9	14
66	Inhibiting host-pathogen interactions using membrane-based nanostructures. <i>Trends in Biotechnology</i> , 2012 , 30, 323-30	15.1	13
65	Lipid Membrane Deformation Accompanied by Disk-to-Ring Shape Transition of Cholesterol-Rich Domains. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8692-5	16.4	13
64	Liposil-supported lipid bilayers as a hybrid platform for drug delivery. <i>Soft Matter</i> , 2011 , 7, 1001-1005	3.6	13
63	Bridging across length scales: multi-scale ordering of supported lipid bilayers via lipoprotein self-assembly and surface patterning. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11164-9	16.4	13
62	Nonequilibrium Pattern Formation in Langmuir-Phase Assisted Assembly of Alkylsiloxane Monolayers. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 10149-10157	3.4	13
61	The influence of spin-labeled fluorene compounds on the assembly and toxicity of the α -peptide. <i>PLoS ONE</i> , 2012 , 7, e35443	3.7	13
60	Analysis of lipid phase behavior and protein conformational changes in nanolipoprotein particles upon entrapment in sol-gel-derived silica. <i>Langmuir</i> , 2014 , 30, 9780-8	4	12
59	Frustrated phase transformations in supported, interdigitating lipid bilayers. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 215-9	3.4	12
58	Dynamic re-compartmentalization of supported lipid bilayers using focused femtosecond laser pulses. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2422-3	16.4	12
57	Rigid Molecular Model for the Assembly Characteristics and Optimal Structure in Molecular Monolayers of Alkanethiols on Au(111) \square <i>Langmuir</i> , 2003 , 19, 1474-1485	4	12
56	Response of microbial membranes to butanol: interdigitation vs. disorder. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11903-11915	3.6	11
55	Model studies of membrane disruption by photogenerated oxidative assault. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6377-85	3.4	11
54	Transition from homogeneous Langmuir-Blodgett monolayers to striped bilayers driven by a wetting instability in octadecylsiloxane monolayers. <i>Langmuir</i> , 2005 , 21, 10468-74	4	11
53	Continuity of Monolayer-Bilayer Junctions for Localization of Lipid Raft Microdomains in Model Membranes. <i>Scientific Reports</i> , 2016 , 6, 26823	4.9	11
52	Topography-Driven Shape, Spread, and Retention of Leaf Surface Water Impacts Microbial Dispersion and Activity in the Phyllosphere. <i>Phytobiomes Journal</i> , 2020 , 4, 268-280	4.8	10
51	Thermally induced phase separation in supported bilayers of glycosphingolipid and phospholipid mixtures. <i>Biointerphases</i> , 2010 , 5, 120-30	1.8	10

50	Patterning fluid and elastomeric surfaces using short-wavelength UV radiation and photogenerated reactive oxygen species. <i>Annual Review of Physical Chemistry</i> , 2008 , 59, 411-32	15.7	10
49	Characterization of supported membranes on topographically patterned polymeric elastomers and their applications to microcontact printing. <i>Langmuir</i> , 2007 , 23, 12645-54	4	10
48	Amino acid catalyzed bulk-phase gelation of organoalkoxysilanes via a transient co-operative self-assembly. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13491-8	3.4	9
47	Permeability and Line-Tension-Dependent Response of Polyunsaturated Membranes to Osmotic Stresses. <i>Biophysical Journal</i> , 2018 , 115, 1942-1955	2.9	9
46	Lithographically defined macroscale modulation of lateral fluidity and phase separation realized via patterned nanoporous silica-supported phospholipid bilayers. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15718-21	16.4	8
45	Structural Configuration of Myelin Figures Using Fluorescence Microscopy. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-7	2.1	8
44	A New Route to Liposil Formation by an Interfacial Sol-Gel Process Confined by Lipid Bilayer. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25039-44	9.5	7
43	Influence of Vesicle Size and Aqueous Solvent on Intact Phospholipid Vesicle Adsorption on Oxidized Gold Monitored Using Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2412-2418	3.8	7
42	Salt-induced lipid transfer between colloidal supported lipid bilayers. <i>Soft Matter</i> , 2010 , 6, 2628	3.6	7
41	Nanofiber-supported phospholipid bilayers. <i>Soft Matter</i> , 2009 , 5, 5037	3.6	7
40	Glass bead probes of local structural and mechanical properties of fluid, supported membranes. <i>ChemPhysChem</i> , 2006 , 7, 1678-81	3.2	7
39	The Biomolecular Interface. <i>Langmuir</i> , 2003 , 19, 1449-1450	4	7
38	Biologically inspired far-from-equilibrium materials. <i>MRS Bulletin</i> , 2019 , 44, 91-95	3.2	7
37	A comparison of detergent action on supported lipid monolayers and bilayers. <i>Soft Matter</i> , 2012 , 8, 3734-6	3.6	6
36	Programmed bending reveals dynamic mechanochemical coupling in supported lipid bilayers. <i>PLoS ONE</i> , 2011 , 6, e28517	3.7	6
35	Substituent-dominated structure evolution during sol-gel synthesis: a comparative study of sol-gel processing of 3-glycidoxypropyltrimethoxysilane and methacryloxypropyltrimethoxysilane. <i>Langmuir</i> , 2010 , 26, 7708-16	4	6
34	A stripe-to-droplet transition driven by conformational transitions in a binary lipid-lipopolymer mixture at the air-water interface. <i>Langmuir</i> , 2011 , 27, 1900-6	4	6
33	Substrate suppression of thermal roughness in stacked supported bilayers. <i>Physical Review E</i> , 2011 , 84, 041914	2.4	6

32	Brownian Dynamics of Electrostatically Adhering Small Vesicles to a Membrane Surface Induces Domains and Probes Viscosity. <i>Langmuir</i> , 2016 , 32, 5445-50	4	6
31	Evolution of conformational order during self-assembly of n-alkanethiols on Hg droplets: an infrared spectromicroscopy study. <i>Langmuir</i> , 2013 , 29, 8203-7	4	5
30	Evidence for interleaflet slip during spreading of single lipid bilayers at hydrophilic solids. <i>ChemPhysChem</i> , 2009 , 10, 2787-90	3.2	5
29	Crystallization of Cholesterol in Phospholipid Membranes Follows Ostwald@ Rule of Stages. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21872-21882	16.4	5
28	Interlamellar organization of phase separated domains in multi-component lipid multilayers: energetic considerations. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 3824-33	6.3	4
27	Spontaneous Vesiculation and pH-Induced Disassembly of a Lysosomotropic Detergent: Impacts on Lysosomotropism and Lysosomal Delivery. <i>Langmuir</i> , 2016 , 32, 13566-13575	4	4
26	Mimicking Thylakoid Membrane with Chlorophyll/TiO/Lipid Co-Assembly for Light-Harvesting and Oxygen Releasing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11461-11469	9.5	4
25	One-Step Assembly of TiO-Liposomes Based on Interfacial Sol-Gel Process within Lipid Bilayer. <i>Langmuir</i> , 2019 , 35, 7018-7025	4	3
24	Minimal Reconstitution of Membranous Web Induced by a Vesicle-Peptide Sol-Gel Transition. <i>Biomacromolecules</i> , 2019 , 20, 1709-1718	6.9	3
23	Lipid membrane domains for the selective adsorption and surface patterning of conjugated polyelectrolytes. <i>Langmuir</i> , 2013 , 29, 5214-21	4	3
22	Use of attenuated total reflectance Fourier transform infrared spectroscopy to study lactosylceramide and GD3 DMPC bilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 94, 374-7	6	3
21	Lipid bilayers on topochemically structured planar colloidal crystals: a versatile platform for optical recording of membrane-mediated ion transport. <i>Soft Matter</i> , 2010 , 6, 5334	3.6	3
20	Use of attenuated total reflectance Fourier transform infrared spectroscopy to monitor the development of lipid aggregate structures. <i>Applied Optics</i> , 2012 , 51, 2842-6	1.7	3
19	Mechanism of Surfactant Removal from Ordered Nanocomposite Silica Thin Films by Deep-UV Light Exposure. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 788, 7111		3
18	Leaf Surface Topography Contributes to the Ability of on Leafy Greens to Resist Removal by Washing, Escape Disinfection With Chlorine, and Disperse Through Splash. <i>Frontiers in Microbiology</i> , 2020 , 11, 1485	5.7	3
17	Discovery and mechanistic characterization of a structurally-unique membrane active peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183394	3.8	2
16	Effects of Optical Anisotropy on Spectro-ellipsometric Data for Thin Films and Surfaces. <i>Physics of Thin Films</i> , 1994 , 19, 279-314		2
15	Polymersomes: Third-Party ATP Sensing in Polymersomes: A Label-Free Assay of Enzyme Reactions in Vesicular Compartments (Small 3/2014). <i>Small</i> , 2014 , 10, 441-441	11	1

14	Thermal annealing triggers collapse of biphasic supported lipid bilayers into multilayer islands. <i>Langmuir</i> , 2014 , 30, 4962-9	4	1
13	Phase-transition based transduction in a biosensor. <i>Synthetic Metals</i> , 1999 , 102, 1452-1453	3.6	1
12	Interactions of different lipoproteins with supported phospholipid raft membrane (SPRM) patterns to understand similar in-vivo processes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183535	3.8	1
11	Recurrent dynamics of rupture transitions of giant lipid vesicles at solid surfaces. <i>Biophysical Journal</i> , 2021 , 120, 586-597	2.9	1
10	Phase separation of lipids in supported membranes on patterned PDMS substrate. <i>Materials Today: Proceedings</i> , 2021 , 46, 2515-2519	1.4	0
9	Amphiphilic Membrane Environments Regulate Enzymatic Behaviors of Salmonella Outer Membrane Protease. <i>ACS Bio & Med Chem Au</i> , 2022 , 2, 73-83		0
8	Conjugated Oligoelectrolytes: A Chain-Elongated Oligophenylenevinylene Electrolyte Increases Microbial Membrane Stability (Adv. Mater. 18/2019). <i>Advanced Materials</i> , 2019 , 31, 1970133	24	
7	Medium Matters: Order through Fluctuations?. <i>Biophysical Journal</i> , 2015 , 108, 2751-3	2.9	
6	Interaction of sphingomyelinase with sphingomyelin-containing supported membranes. <i>Soft Matter</i> , 2013 , 9, 10413	3.6	
5	Characterization of buried metal-molecule-metal junctions using Fourier transform infrared microspectroscopy. <i>Review of Scientific Instruments</i> , 2014 , 85, 094103	1.7	
4	X-Ray Reflectivity and Diffuse Scattering Study of Effect of Ca ²⁺ on Cushioned Lipid Bilayer. <i>Biophysical Journal</i> , 2012 , 102, 382a	2.9	
3	Lifecycle of a Lipoprotein from a Biophysical Perspective 2009 , 275-284		
2	Prepolymerized Langmuir-Blodgett Films of n-Octadecylsiloxane Monolayers. <i>ACS Symposium Series</i> , 1996 , 355-363	0.4	
1	Effects of triglyceride-rich lipoproteins and their lipolysis products on endothelial cell membrane microdomains. <i>FASEB Journal</i> , 2006 , 20, A915	0.9	