

# Joshua A Jackman

## List of Publications by Year in descending order

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149  
papers

5,575  
citations

66343

42  
h-index

102487

66  
g-index

153  
all docs

153  
docs citations

153  
times ranked

6490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , 2015, 10, 213-239.	11.9	356
2	Antibacterial Free Fatty Acids and Monoglycerides: Biological Activities, Experimental Testing, and Therapeutic Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1114.	4.1	325
3	Nanoplasmonic sensors for biointerfacial science. <i>Chemical Society Reviews</i> , 2017, 46, 3615-3660.	38.1	195
4	High-performance 3D printing of hydrogels by water-dispersible photoinitiator nanoparticles. <i>Science Advances</i> , 2016, 2, e1501381.	10.3	191
5	High-performance, flexible electronic skin sensor incorporating natural microcapsule actuators. <i>Nano Energy</i> , 2017, 36, 38-45.	16.0	160
6	Flexible, Graphene-Coated Biocomposite for Highly Sensitive, Real-Time Molecular Detection. <i>Advanced Functional Materials</i> , 2016, 26, 8623-8630.	14.9	116
7	Biotechnology Applications of Tethered Lipid Bilayer Membranes. <i>Materials</i> , 2012, 5, 2637-2657.	2.9	101
8	Supported Lipid Bilayer Formation: Beyond Vesicle Fusion. <i>Langmuir</i> , 2020, 36, 1387-1400.	3.5	94
9	Bioinspired Spiky Micromotors Based on Sporopollenin Exine Capsules. <i>Advanced Functional Materials</i> , 2017, 27, 1702338.	14.9	92
10	Nanotechnology Formulations for Antibacterial Free Fatty Acids and Monoglycerides. <i>Molecules</i> , 2016, 21, 305.	3.8	88
11	Nanoplasmonic sensors for detecting circulating cancer biomarkers. <i>Advanced Drug Delivery Reviews</i> , 2018, 125, 48-77.	13.7	88
12	pH-Driven Assembly of Various Supported Lipid Platforms: A Comparative Study on Silicon Oxide and Titanium Oxide. <i>Langmuir</i> , 2011, 27, 3739-3748.	3.5	83
13	Influence of Osmotic Pressure on Adhesion of Lipid Vesicles to Solid Supports. <i>Langmuir</i> , 2013, 29, 11375-11384.	3.5	81
14	Medium-chain fatty acids and monoglycerides as feed additives for pig production: towards gut health improvement and feed pathogen mitigation. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 44.	5.3	81
15	Spectrum of Membrane Morphological Responses to Antibacterial Fatty Acids and Related Surfactants. <i>Langmuir</i> , 2015, 31, 10223-10232.	3.5	80
16	Temperature-Induced Denaturation of BSA Protein Molecules for Improved Surface Passivation Coatings. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 32047-32057.	8.0	77
17	A flexible, ultra-sensitive chemical sensor with 3D biomimetic templating for diabetes-related acetone detection. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4019-4024.	5.8	76
18	Graphene-Functionalized Natural Microcapsules: Modular Building Blocks for Ultrahigh Sensitivity Bioelectronic Platforms. <i>Advanced Functional Materials</i> , 2016, 26, 2097-2103.	14.9	75

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19	Co-assembly of Peptide Amphiphiles and Lipids into Supramolecular Nanostructures Driven by Anion-π Interactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 7823-7830.	13.7	75
20	Therapeutic treatment of Zika virus infection using a brain-penetrating antiviral peptide. <i>Nature Materials</i> , 2018, 17, 971-977.	27.5	74
21	Solvent-assisted preparation of supported lipid bilayers. <i>Nature Protocols</i> , 2019, 14, 2091-2118.	12.0	70
22	Self-Assembly Formation of Lipid Bilayer Coatings on Bare Aluminum Oxide: Overcoming the Force of Interfacial Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 959-968.	8.0	68
23	Solvent-Assisted Lipid Self-Assembly at Hydrophilic Surfaces: Factors Influencing the Formation of Supported Membranes. <i>Langmuir</i> , 2015, 31, 3125-3134.	3.5	66
24	Plasmonic Nanohole Sensor for Capturing Single Virus-Like Particles toward Virucidal Drug Evaluation. <i>Small</i> , 2016, 12, 1159-1166.	10.0	57
25	Rupture of Lipid Vesicles by a Broad-Spectrum Antiviral Peptide: Influence of Vesicle Size. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16117-16128.	2.6	56
26	Influence of Divalent Cations on Deformation and Rupture of Adsorbed Lipid Vesicles. <i>Langmuir</i> , 2016, 32, 6486-6495.	3.5	56
27	Comparison of complement activation-related pseudoallergy in miniature and domestic pigs: foundation of a validatable immune toxicity model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 933-943.	3.3	55
28	Nanoplasmonic Biosensing for Soft Matter Adsorption: Kinetics of Lipid Vesicle Attachment and Shape Deformation. <i>Langmuir</i> , 2014, 30, 9494-9503.	3.5	54
29	Formation of Cholesterol-Rich Supported Membranes Using Solvent-Assisted Lipid Self-Assembly. <i>Langmuir</i> , 2014, 30, 13345-13352.	3.5	53
30	Contribution of the Hydration Force to Vesicle Adhesion on Titanium Oxide. <i>Langmuir</i> , 2014, 30, 5368-5372.	3.5	52
31	Nanomedicine for Infectious Disease Applications: Innovation towards Broad-Spectrum Treatment of Viral Infections. <i>Small</i> , 2016, 12, 1133-1139.	10.0	52
32	Optimizing the Formation of Supported Lipid Bilayers from Bicellar Mixtures. <i>Langmuir</i> , 2017, 33, 5052-5064.	3.5	52
33	Quantitative Profiling of Nanoscale Liposome Deformation by a Localized Surface Plasmon Resonance Sensor. <i>Analytical Chemistry</i> , 2017, 89, 1102-1109.	6.5	52
34	Stealth Immune Properties of Graphene Oxide Enabled by Surface-Bound Complement Factor H. <i>ACS Nano</i> , 2016, 10, 10161-10172.	14.6	49
35	Controlling adsorption and passivation properties of bovine serum albumin on silica surfaces by ionic strength modulation and cross-linking. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8854-8865.	2.8	49
36	Interfacial Forces Dictate the Pathway of Phospholipid Vesicle Adsorption onto Silicon Dioxide Surfaces. <i>Langmuir</i> , 2018, 34, 1775-1782.	3.5	49

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37	Vesicle Adhesion and Rupture on Silicon Oxide: Influence of Freeze-Thaw Pretreatment. <i>Langmuir</i> , 2014, 30, 2152-2160.	3.5	47
38	Correlating Membrane Morphological Responses with Micellar Aggregation Behavior of Capric Acid and Monocaprin. <i>Langmuir</i> , 2017, 33, 2750-2759.	3.5	47
39	Inhibition of African swine fever virus in liquid and feed by medium-chain fatty acids and glycerol monolaurate. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 114.	5.3	47
40	Integration of Quartz Crystal Microbalance-Dissipation and Reflection-Mode Localized Surface Plasmon Resonance Sensors for Biomacromolecular Interaction Analysis. <i>Analytical Chemistry</i> , 2016, 88, 12524-12531.	6.5	46
41	Nanoplasmonic ruler to measure lipid vesicle deformation. <i>Chemical Communications</i> , 2016, 52, 76-79.	4.1	46
42	Stopping Membrane-Enveloped Viruses with Nanotechnology Strategies: Toward Antiviral Drug Development and Pandemic Preparedness. <i>ACS Nano</i> , 2021, 15, 125-148.	14.6	46
43	Contribution of Temperature to Deformation of Adsorbed Vesicles Studied by Nanoplasmonic Biosensing. <i>Langmuir</i> , 2015, 31, 771-781.	3.5	44
44	Multifunctional hydrogel nano-probes for atomic force microscopy. <i>Nature Communications</i> , 2016, 7, 11566.	12.8	44
45	Conformational flexibility of fatty acid-free bovine serum albumin proteins enables superior antifouling coatings. <i>Communications Materials</i> , 2020, 1, .	6.9	44
46	Nanotechnology Education for the Global World: Training the Leaders of Tomorrow. <i>ACS Nano</i> , 2016, 10, 5595-5599.	14.6	43
47	Controlling Lipid Membrane Architecture for Tunable Nanoplasmonic Biosensing. <i>Small</i> , 2014, 10, 4828-4832.	10.0	42
48	Deciphering How Pore Formation Causes Strain-Induced Membrane Lysis of Lipid Vesicles. <i>Journal of the American Chemical Society</i> , 2016, 138, 1406-1413.	13.7	40
49	Materials Nanoarchitectonics for Mechanical Tools in Chemical and Biological Sensing. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3366-3377.	3.3	40
50	Surface-Based Nanoplasmonic Sensors for Biointerfacial Science Applications. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1404-1412.	3.2	40
51	Model Membrane Platforms for Biomedicine: Case Study on Antiviral Drug Development. <i>Biointerphases</i> , 2012, 7, 18.	1.6	39
52	Cloaking Silica Nanoparticles with Functional Protein Coatings for Reduced Complement Activation and Cellular Uptake. <i>ACS Nano</i> , 2020, 14, 11950-11961.	14.6	39
53	Indirect Nanoplasmonic Sensing Platform for Monitoring Temperature-Dependent Protein Adsorption. <i>Analytical Chemistry</i> , 2017, 89, 12976-12983.	6.5	36
54	Complement activation in vitro and reactivity of low-molecular weight dextran-coated SPIONs in the pig CARPA model: Correlation with physicochemical features and clinical information. <i>Journal of Controlled Release</i> , 2018, 270, 268-274.	9.9	36

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55	Lipid Nanoparticle Technologies for Nucleic Acid Delivery: A Nanoarchitectonics Perspective. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	36
56	Interfacial Binding Dynamics of Bee Venom Phospholipase A <sub>2</sub> Investigated by Dynamic Light Scattering and Quartz Crystal Microbalance. <i>Langmuir</i> , 2010, 26, 4103-4112.	3.5	33
57	AH Peptide-Mediated Formation of Charged Planar Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3616-3621.	2.6	33
58	Vesicle and bilayer formation of diphytanoylphosphatidylcholine (DPhPC) and diphytanoylphosphatidylethanolamine (DPhPE) mixtures and their bilayers'™ electrical stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 550-561.	5.0	32
59	Investigating how vesicle size influences vesicle adsorption on titanium oxide: a competition between steric packing and shape deformation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2131-2139.	2.8	31
60	Chemical design principles of next-generation antiviral surface coatings. <i>Chemical Society Reviews</i> , 2021, 50, 9741-9765.	38.1	31
61	Correlation between Membrane Partitioning and Functional Activity in a Single Lipid Vesicle Assay Establishes Design Guidelines for Antiviral Peptides. <i>Small</i> , 2015, 11, 2372-2379.	10.0	30
62	Understanding How Sterols Regulate Membrane Remodeling in Supported Lipid Bilayers. <i>Langmuir</i> , 2017, 33, 14756-14765.	3.5	30
63	Bruceantin targets HSP90 to overcome resistance to hormone therapy in castration-resistant prostate cancer. <i>Theranostics</i> , 2021, 11, 958-973.	10.0	29
64	A Numerical Study on the Effect of Particle Surface Coverage on the Quartz Crystal Microbalance Response. <i>Analytical Chemistry</i> , 2018, 90, 2238-2245.	6.5	28
65	Addressing the digital skills gap for future education. <i>Nature Human Behaviour</i> , 2021, 5, 542-545.	12.0	28
66	Colloid-Mediated Fabrication of a 3D Pollen Sponge for Oil Remediation Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2101091.	14.9	28
67	Observation of Stripe Superstructure in the $\hat{I}^2$ -Two-Phase Coexistence Region of Cholesterol-Phospholipid Mixtures in Supported Membranes. <i>Journal of the American Chemical Society</i> , 2014, 136, 16962-16965.	13.7	27
68	Characterizing How Acidic pH Conditions Affect the Membrane-Disruptive Activities of Lauric Acid and Glycerol Monolaurate. <i>Langmuir</i> , 2018, 34, 13745-13753.	3.5	27
69	In-depth characterization of congenital Zika syndrome in immunocompetent mice: Antibody-dependent enhancement and an antiviral peptide therapy. <i>EBioMedicine</i> , 2019, 44, 516-529.	6.1	27
70	A model derived from hydrodynamic simulations for extracting the size of spherical particles from the quartz crystal microbalance. <i>Analyst</i> , 2017, 142, 3370-3379.	3.5	26
71	Quartz Crystal Microbalance Model for Quantitatively Probing the Deformation of Adsorbed Particles at Low Surface Coverage. <i>Analytical Chemistry</i> , 2017, 89, 11711-11718.	6.5	26
72	Inflated Sporopollenin Exine Capsules Obtained from Thin-Walled Pollen. <i>Scientific Reports</i> , 2016, 6, 28017.	3.3	25

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73	Comparing the Membrane-Interaction Profiles of Two Antiviral Peptides: Insights into Structure-Function Relationship. <i>Langmuir</i> , 2019, 35, 9934-9943.	3.5	25
74	Influence of NaCl Concentration on Bicelle-Mediated SLB Formation. <i>Langmuir</i> , 2019, 35, 10658-10666.	3.5	25
75	Biomimetic Nanomaterial Strategies for Virus Targeting: Antiviral Therapies and Vaccines. <i>Advanced Functional Materials</i> , 2021, 31, 2008352.	14.9	25
76	Targeting the Achilles Heel of Mosquito-Borne Viruses for Antiviral Therapy. <i>ACS Infectious Diseases</i> , 2019, 5, 4-8.	3.8	24
77	Probing Spatial Proximity of Supported Lipid Bilayers to Silica Surfaces by Localized Surface Plasmon Resonance Sensing. <i>Analytical Chemistry</i> , 2017, 89, 4301-4308.	6.5	22
78	Competing Interactions of Fatty Acids and Monoglycerides Trigger Synergistic Phospholipid Membrane Remodeling. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4951-4957.	4.6	22
79	Flavonoid Library Screening Reveals Kaempferol as a Potential Antiviral Agent Against African Swine Fever Virus. <i>Frontiers in Microbiology</i> , 2021, 12, 736780.	3.5	22
80	Cholesterol-Enriched Domain Formation Induced by Viral-Encoded, Membrane-Active Amphipathic Peptide. <i>Biophysical Journal</i> , 2016, 110, 176-187.	0.5	20
81	Light-Induced Surface Modification of Natural Plant Microparticles: Toward Colloidal Science and Cellular Adhesion Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1707568.	14.9	20
82	Relationship between vesicle size and steric hindrance influences vesicle rupture on solid supports. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3065-3072.	2.8	19
83	Quantitative Comparison of Protein Adsorption and Conformational Changes on Dielectric-Coated Nanoplasmonic Sensing Arrays. <i>Sensors</i> , 2018, 18, 1283.	3.8	19
84	Scalable Fabrication of Quasi-One-Dimensional Gold Nanoribbons for Plasmonic Sensing. <i>Nano Letters</i> , 2020, 20, 1747-1754.	9.1	19
85	Supported Lipid Bilayer Platform To Test Inhibitors of the Membrane Attack Complex: Insights into Biomacromolecular Assembly and Regulation. <i>Biomacromolecules</i> , 2015, 16, 3594-3602.	5.4	18
86	Understanding How Membrane Surface Charge Influences Lipid Bicelle Adsorption onto Oxide Surfaces. <i>Langmuir</i> , 2019, 35, 8436-8444.	3.5	18
87	Lipid Nanoparticle Technology for Delivering Biologically Active Fatty Acids and Monoglycerides. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9664.	4.1	18
88	Nanoarchitectonic-Based Material Platforms for Environmental and Bioprocessing Applications. <i>Chemical Record</i> , 2019, 19, 1891-1912.	5.8	17
89	Understanding how natural sequence variation in serum albumin proteins affects conformational stability and protein adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111194.	5.0	17
90	Entrepreneurial Talent Building for 21st Century Agricultural Innovation. <i>ACS Nano</i> , 2021, 15, 10748-10758.	14.6	17

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91	Probing the Interaction of Dielectric Nanoparticles with Supported Lipid Membrane Coatings on Nanoplasmonic Arrays. <i>Sensors</i> , 2017, 17, 1484.	3.8	16
92	Nanoplasmonic Ruler for Measuring Separation Distance between Supported Lipid Bilayers and Oxide Surfaces. <i>Analytical Chemistry</i> , 2018, 90, 12503-12511.	6.5	16
93	Nanoplasmonic Sensing Architectures for Decoding Membrane Curvature-Dependent Biomacromolecular Interactions. <i>Analytical Chemistry</i> , 2018, 90, 7458-7466.	6.5	16
94	Biomembrane Fabrication by the Solvent-assisted Lipid Bilayer (SALB) Method. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	15
95	Lipid-Bicelle-Coated Microfluidics for Intracellular Delivery with Reduced Fouling. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45744-45752.	8.0	15
96	Lipid coating technology: A potential solution to address the problem of sticky containers and vanishing drugs. <i>View</i> , 2022, 3, 20200078.	5.3	15
97	Cyclodextrin-based Pickering emulsions: functional properties and drug delivery applications. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2021, 101, 31-50.	1.6	15
98	Quantitative Evaluation of Peptideâ€Material Interactions by a Force Mapping Method: Guidelines for Surface Modification. <i>Langmuir</i> , 2015, 31, 8006-8012.	3.5	14
99	Correlating single-molecule and ensemble-average measurements of peptide adsorption onto different inorganic materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14454-14459.	2.8	14
100	Influence of membrane surface charge on adsorption of complement proteins onto supported lipid bilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 270-277.	5.0	14
101	Characterizing the Membrane-Disruptive Behavior of Dodecylglycerol Using Supported Lipid Bilayers. <i>Langmuir</i> , 2019, 35, 3568-3575.	3.5	14
102	Unraveling How Ethanol-Induced Conformational Changes Affect BSA Protein Adsorption onto Silica Surfaces. <i>Langmuir</i> , 2020, 36, 9215-9224.	3.5	14
103	Supported Lipid Bilayer Formation from Phospholipid-Fatty Acid Bicellar Mixtures. <i>Langmuir</i> , 2020, 36, 5021-5029.	3.5	14
104	Comparing Protein Adsorption onto Alumina and Silica Nanomaterial Surfaces: Clues for Vaccine Adjuvant Development. <i>Langmuir</i> , 2021, 37, 1306-1314.	3.5	14
105	Elucidating How Different Amphipathic Stabilizers Affect BSA Protein Conformational Properties and Adsorption Behavior. <i>Langmuir</i> , 2020, 36, 10606-10614.	3.5	13
106	pH-Dependent Antibacterial Activity of Glycolic Acid: Implications for Anti-Acne Formulations. <i>Scientific Reports</i> , 2020, 10, 7491.	3.3	13
107	Lipid Bicelle Micropatterning Using Chemical Lift-Off Lithography. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13447-13455.	8.0	13
108	Real-time nanoplasmonic sensing of three-dimensional morphological changes in a supported lipid bilayer and antimicrobial testing applications. <i>Biosensors and Bioelectronics</i> , 2021, 174, 112768.	10.1	13

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109	Supported lipid bilayer coatings: Fabrication, bioconjugation, and diagnostic applications. <i>Applied Materials Today</i> , 2021, 25, 101183.	4.3	13
110	Mechanistic Evaluation of Antimicrobial Lipid Interactions with Tethered Lipid Bilayers by Electrochemical Impedance Spectroscopy. <i>Sensors</i> , 2022, 22, 3712.	3.8	13
111	Hydrophobic to superhydrophilic tuning of multifunctional sporopollenin for microcapsule and bio-composite applications. <i>Applied Materials Today</i> , 2020, 18, 100525.	4.3	12
112	Medicinal Activities and Nanomedicine Delivery Strategies for <i>Brucea javanica</i> Oil and Its Molecular Components. <i>Molecules</i> , 2020, 25, 5414.	3.8	12
113	Immobilization Strategies for Functional Complement Convertase Assembly at Lipid Membrane Interfaces. <i>Langmuir</i> , 2017, 33, 7332-7342.	3.5	11
114	Modulating conformational stability of human serum albumin and implications for surface passivation applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 306-312.	5.0	11
115	Versatile formation of supported lipid bilayers from bicellar mixtures of phospholipids and capric acid. <i>Scientific Reports</i> , 2020, 10, 13849.	3.3	11
116	Unraveling How Multivalency Triggers Shape Deformation of Sub-100 nm Lipid Vesicles. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6722-6729.	4.6	11
117	Effect of Membrane Curvature Nanoarchitectonics on Membrane-Disruptive Interactions of Antimicrobial Lipids and Surfactants. <i>Langmuir</i> , 2022, 38, 4606-4616.	3.5	10
118	Optimal formation of uniform-phase supported lipid bilayers from phospholipid monoglyceride bicellar mixtures. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 88, 285-291.	5.8	9
119	An Intrinsically Microstructured Pollen Substrate with Tunable Optical Properties for Optoelectronic Applications. <i>Advanced Materials</i> , 2021, 33, e2100566.	21.0	9
120	Antiviral peptide engineering for targeting membrane-enveloped viruses: Recent progress and future directions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183821.	2.6	8
121	Detection of Amphipathic Viral Peptide on Screen-Printed Electrodes by Liposome Rupture Impact Voltammetry. <i>Analytical Chemistry</i> , 2017, 89, 11753-11757.	6.5	7
122	Quantitative Evaluation of Viral Protein Binding to Phosphoinositide Receptors and Pharmacological Inhibition. <i>Analytical Chemistry</i> , 2017, 89, 9742-9750.	6.5	7
123	Micropatterned Viral Membrane Clusters for Antiviral Drug Evaluation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13984-13990.	8.0	7
124	Supported lipid bilayer platform for characterizing the optimization of mixed monoglyceride nano-micelles. <i>Applied Materials Today</i> , 2020, 19, 100598.	4.3	7
125	Engineered lipid bicelle nanostructures for membrane-disruptive antibacterial applications. <i>Applied Materials Today</i> , 2021, 22, 100947.	4.3	7
126	Supported Lipid Bilayer Platform for Characterizing the Membrane-Disruptive Behaviors of Triton X-100 and Potential Detergent Replacements. <i>International Journal of Molecular Sciences</i> , 2022, 23, 869.	4.1	7



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127	Inkjet-Printed Phospholipid Bilayers on Titanium Oxide Surfaces: Towards Functional Membrane Biointerfaces. <i>Membranes</i> , 2022, 12, 361.	3.0	7
128	Distinct Binding Properties of Neutravidin and Streptavidin Proteins to Biotinylated Supported Lipid Bilayers: Implications for Sensor Functionalization. <i>Sensors</i> , 2022, 22, 5185.	3.8	7
129	Ultrahigh surface sensitivity of deposited gold nanorod arrays for nanoplasmonic biosensing. <i>Applied Materials Today</i> , 2021, 23, 101046.	4.3	6
130	Solvent-induced conformational tuning of lysozyme protein adlayers on silica surfaces: A QCM-D and LSPR study. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1906-1914.	7.5	6
131	Streamlined Fabrication of Hybrid Lipid Bilayer Membranes on Titanium Oxide Surfaces: A Comparison of One- and Two-Tail SAM Molecules. <i>Nanomaterials</i> , 2022, 12, 1153.	4.1	6
132	Quantitative accounting of dye leakage and photobleaching in single lipid vesicle measurements: Implications for biomacromolecular interaction analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110338.	5.0	5
133	Dynamic remodeling of giant unilamellar vesicles induced by monoglyceride nano-micelles: Insights into supramolecular organization. <i>Applied Materials Today</i> , 2021, 24, 101099.	4.3	5
134	Lipid bilayer coatings for rapid enzyme-linked immunosorbent assay. <i>Applied Materials Today</i> , 2021, 24, 101128.	4.3	5
135	Multivalency-Induced Shape Deformation of Nanoscale Lipid Vesicles: Size-Dependent Membrane Bending Effects. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1480-1488.	4.6	5
136	On/off switching of lipid bicelle adsorption on titanium oxide controlled by sub-monolayer molecular surface functionalization. <i>Applied Materials Today</i> , 2022, 27, 101444.	4.3	5
137	Effect of Glucose on the Mobility of Membrane-Adhering Liposomes. <i>Langmuir</i> , 2018, 34, 503-511.	3.5	4
138	Analysis of the initiation of viral infection under flow conditions with applications to transmission in feed. <i>BioSystems</i> , 2020, 196, 104184.	2.0	4
139	Surface engineering of plasmonic gold nanoisland platforms for high-sensitivity refractometric biosensing applications. <i>Applied Materials Today</i> , 2021, 26, 101280.	4.3	4
140	Targeting the Achilles Heel of Zika Virus and Other Emerging Viral Pathogens. <i>Advanced Therapeutics</i> , 2018, 1, 1800045.	3.2	3
141	Disentangling bulk polymers from adsorbed polymers using the quartz crystal microbalance. <i>Applied Materials Today</i> , 2020, 18, 100460.	4.3	3
142	Graphene Oxide Mimics Biological Signaling Cue to Rescue Starving Bacteria. <i>Advanced Functional Materials</i> , 2021, 31, 2102328.	14.9	3
143	Unraveling how nanoscale curvature drives formation of lysozyme protein monolayers on inorganic oxide surfaces. <i>Applied Materials Today</i> , 2020, 20, 100729.	4.3	2
144	3D Pollen Sponge: Colloid-Mediated Fabrication of a 3D Pollen Sponge for Oil Remediation Applications ( <i>Adv. Funct. Mater.</i> 24/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170173.	14.9	2

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145	Biosensors: Controlling Lipid Membrane Architecture for Tunable Nanoplasmonic Biosensing (Small) Tj ETQq1 1 0.784314 rgBT /Overl	10.0	1
146	Biosensors: Graphene-Functionalized Natural Microcapsules: Modular Building Blocks for Ultrahigh Sensitivity Bioelectronic Platforms (Adv. Funct. Mater. 13/2016). Advanced Functional Materials, 2016, 26, 2220-2220.	14.9	1
147	Antiviral Agents: Correlation between Membrane Partitioning and Functional Activity in a Single Lipid Vesicle Assay Establishes Design Guidelines for Antiviral Peptides (Small 20/2015). Small, 2015, 11, 2464-2464.	10.0	0
148	Biosensors: Flexible, Graphene-Coated Biocomposite for Highly Sensitive, Real-Time Molecular Detection (Adv. Funct. Mater. 47/2016). Advanced Functional Materials, 2016, 26, 8796-8796.	14.9	0
149	Functionalized Natural Particles: Light-Induced Surface Modification of Natural Plant Microparticles: Toward Colloidal Science and Cellular Adhesion Applications (Adv. Funct. Mater. 18/2018). Advanced Functional Materials, 2018, 28, 1870120.	14.9	0