Nam-Joon Cho

List of Publications by Year
in descending order

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Version: 2024-02-01

274	11,038	41627	53065
papers	citations	51	89
		h-index	g-index

281	281	281	15245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lipid coating technology: A potential solution to address the problem of sticky containers and vanishing drugs. View, 2022, 3, 20200078.	2.7	15
2	Nanoarchitectured air-stable supported lipid bilayer incorporating sucroseâ€“bicelle complex system. Nano Convergence, 2022, 9, 3.	6.3	1
3	Thermodynamic Modeling of Solvent-Assisted Lipid Bilayer Formation Process. Micromachines, 2022, 13, 134.	1.4	5
4	Multivalency-Induced Shape Deformation of Nanoscale Lipid Vesicles: Size-Dependent Membrane Bending Effects. Journal of Physical Chemistry Letters, 2022, 13, 1480-1488.	2.1	5
5	Streamlined Fabrication of Hybrid Lipid Bilayer Membranes on Titanium Oxide Surfaces: A Comparison of One- and Two-Tail SAM Molecules. Nanomaterials, 2022, 12, 1153.	1.9	6
6	Selective Recognition of Phosphatidylinositol Phosphate Receptors by C-Terminal Tail of Mitotic Kinesin-like Protein 2 (MKlp2). Journal of Physical Chemistry B, 2022, 126, 2345-2352.	1.2	3
7	Inkjet-Printed Phospholipid Bilayers on Titanium Oxide Surfaces: Towards Functional Membrane Biointerfaces. Membranes, 2022, 12, 361.	1.4	7
8	Recyclable and Reusable Natural Plantâ€Based Paper for Repeated Digital Printing and Unprinting. Advanced Materials, 2022, 34, e2109367.	11.1	7
9	Microplastics released from food containers can suppress lysosomal activity in mouse macrophages. Journal of Hazardous Materials, 2022, 435, 128980.	6.5	40
10	Unraveling the distinct germination processes of sporopollenin-based pollen grains and spores through morphological analyses upon natural nano-architectonics process. Applied Materials Today, 2022, 27, 101471.	2.3	3
11	Highly substituted decoupled gelatin methacrylamide free of hydrolabile methacrylate impurities: An optimum choice for long-term stability and cytocompatibility. International Journal of Biological Macromolecules, 2021, 167, 479-490.	3.6	10
12	Biomimetic Nanomaterial Strategies for Virus Targeting: Antiviral Therapies and Vaccines. Advanced Functional Materials, 2021, 31, 2008352.	7.8	25
13	Stopping Membrane-Enveloped Viruses with Nanotechnology Strategies: Toward Antiviral Drug Development and Pandemic Preparedness. ACS Nano, 2021, 15, 125-148.	7.3	46
14	Self-Assembly of Solubilized Human Hair Keratins. ACS Biomaterials Science and Engineering, 2021, 7, 83-89.	2.6	7
15	Real-time nanoplasmonic sensing of three-dimensional morphological changes in a supported lipid bilayer and antimicrobial testing applications. Biosensors and Bioelectronics, 2021, 174, 112768.	5.3	13
16	Chemical design principles of next-generation antiviral surface coatings. Chemical Society Reviews, 2021, 50, 9741-9765.	18.7	31
17	Comparing Protein Adsorption onto Alumina and Silica Nanomaterial Surfaces: Clues for Vaccine Adjuvant Development. Langmuir, 2021, 37, 1306-1314.	1.6	14
18	Conformational stability as a quality attribute for the cell therapy raw material human serum albumin. RSC Advances, 2021, 11, 15332-15339.	1.7	4

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19	Engineered lipid bicelle nanostructures for membrane-disruptive antibacterial applications. Applied Materials Today, 2021, 22, 100947.	2.3	7
20	Addressing the digital skills gap for future education. Nature Human Behaviour, 2021, 5, 542-545.	6.2	28
21	Colloidâ€Mediated Fabrication of a 3D Pollen Sponge for Oil Remediation Applications. Advanced Functional Materials, 2021, 31, 2101091.	7.8	28
22	Mechanistic Aspects of the Evolution of 3D Cholesterol Crystallites in a Supported Lipid Membrane via a Quartz Crystal Microbalance with Dissipation Monitoring. Langmuir, 2021, 37, 4562-4570.	1.6	2
23	Graphene Oxide Mimics Biological Signaling Cue to Rescue Starving Bacteria. Advanced Functional Materials, 2021, 31, 2102328.	7.8	3
24	An Intrinsically Microâ€Nanostructured Pollen Substrate with Tunable Optical Properties for Optoelectronic Applications. Advanced Materials, 2021, 33, e2100566.	11.1	9
25	Ultrahigh surface sensitivity of deposited gold nanorod arrays for nanoplasmonic biosensing. Applied Materials Today, 2021, 23, 101046.	2.3	6
26	3D Pollen Sponge: Colloidâ€Mediated Fabrication of a 3D Pollen Sponge for Oil Remediation Applications (Adv. Funct. Mater. 24/2021). Advanced Functional Materials, 2021, 31, 2170173.	7.8	2
27	Unraveling How Multivalency Triggers Shape Deformation of Sub-100 nm Lipid Vesicles. Journal of Physical Chemistry Letters, 2021, 12, 6722-6729.	2.1	11
28	Entrepreneurial Talent Building for 21st Century Agricultural Innovation. ACS Nano, 2021, 15, 10748-10758.	7.3	17
29	Solvent-induced conformational tuning of lysozyme protein adlayers on silica surfaces: A QCM-D and LSPR study. International Journal of Biological Macromolecules, 2021, 182, 1906-1914.	3.6	6
30	Engineering Natural Pollen Grains as Multifunctional 3D Printing Materials. Advanced Functional Materials, 2021, 31, 2106276.	7.8	15
31	Biophysical Measurement Strategies for Antiviral Drug Development: Recent Progress in Virus-Mimetic Platforms Down to the Single Particle Level. Accounts of Chemical Research, 2021, 54, 3204-3214.	7.6	3
32	Dynamic remodeling of giant unilamellar vesicles induced by monoglyceride nano-micelles: Insights into supramolecular organization. Applied Materials Today, 2021, 24, 101099.	2.3	5
33	Lipid bilayer coatings for rapid enzyme-linked immunosorbent assay. Applied Materials Today, 2021, 24, 101128.	2.3	5
34	Lipid Nanoparticle Technology for Delivering Biologically Active Fatty Acids and Monoglycerides. International Journal of Molecular Sciences, 2021, 22, 9664.	1.8	18
35	Supported lipid bilayer coatings: Fabrication, bioconjugation, and diagnostic applications. Applied Materials Today, 2021, 25, 101183.	2.3	13
36	Digital printing of shape-morphing natural materials. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	21

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37	Role of Membrane Stretch in Adsorption of Antiviral Peptides onto Lipid Membranes and Membrane Pore Formation. Langmuir, 2021, 37, 13390-13398.	1.6	8
38	Surface engineering of plasmonic gold nanoisland platforms for high-sensitivity refractometric biosensing applications. Applied Materials Today, 2021, 26, 101280.	2.3	4
39	Engineering Natural Pollen Grains as Multifunctional 3D Printing Materials (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock 1	7.8	1
40	Disentangling bulk polymers from adsorbed polymers using the quartz crystal microbalance. Applied Materials Today, 2020, 18, 100460.	2.3	3
41	Probing the influence of tether density on tethered bilayer lipid membrane (tBLM)-peptide interactions. Applied Materials Today, 2020, 18, 100527.	2.3	5
42	Hydrophobic to superhydrophilic tuning of multifunctional sporopollenin for microcapsule and bio-composite applications. Applied Materials Today, 2020, 18, 100525.	2.3	12
43	Optimal formation of uniform-phase supported lipid bilayers from phospholipidâ€“monoglyceride bicellar mixtures. Journal of Industrial and Engineering Chemistry, 2020, 88, 285-291.	2.9	9
44	Unraveling How Ethanol-Induced Conformational Changes Affect BSA Protein Adsorption onto Silica Surfaces. Langmuir, 2020, 36, 9215-9224.	1.6	14
45	Medicinal Activities and Nanomedicine Delivery Strategies for Brucea javanica Oil and Its Molecular Components. Molecules, 2020, 25, 5414.	1.7	12
46	Conformational flexibility of fatty acid-free bovine serum albumin proteins enables superior antifouling coatings. Communications Materials, 2020, 1, .	2.9	44
47	Lipid-Bicelle-Coated Microfluidics for Intracellular Delivery with Reduced Fouling. ACS Applied Materials & Interfaces, 2020, 12, 45744-45752.	4.0	15
48	Cloaking Silica Nanoparticles with Functional Protein Coatings for Reduced Complement Activation and Cellular Uptake. ACS Nano, 2020, 14, 11950-11961.	7.3	39
49	Elucidating How Different Amphipathic Stabilizers Affect BSA Protein Conformational Properties and Adsorption Behavior. Langmuir, 2020, 36, 10606-10614.	1.6	13
50	Versatile formation of supported lipid bilayers from bicellar mixtures of phospholipids and capric acid. Scientific Reports, 2020, 10, 13849.	1.6	11
51	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
52	Materials science approaches in the development of broad-spectrum antiviral therapies. Nature Materials, 2020, 19, 813-816.	13.3	36
53	pH-Dependent Antibacterial Activity of Glycolic Acid: Implications for Anti-Acne Formulations. Scientific Reports, 2020, 10, 7491.	1.6	13
54	Competing Interactions of Fatty Acids and Monoglycerides Trigger Synergistic Phospholipid Membrane Remodeling. Journal of Physical Chemistry Letters, 2020, 11, 4951-4957.	2.1	22

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55	Understanding how natural sequence variation in serum albumin proteins affects conformational stability and protein adsorption. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111194.	2.5	17
56	Unraveling how nanoscale curvature drives formation of lysozyme protein monolayers on inorganic oxide surfaces. Applied Materials Today, 2020, 20, 100729.	2.3	2
57	Transformation of hard pollen into soft matter. Nature Communications, 2020, 11, 1449.	5.8	58
58	Microrobots Derived from Variety Plant Pollen Grains for Efficient Environmental Clean Up and as an Antiâ€Cancer Drug Carrier. Advanced Functional Materials, 2020, 30, 2000112.	7.8	64
59	Biologically interfaced nanoplasmonic sensors. Nanoscale Advances, 2020, 2, 3103-3114.	2.2	10
60	Influence of Chemical and Physical Change of Pollen Microgels on Swelling/Deâ€Swelling Behavior. Macromolecular Rapid Communications, 2020, 41, e2000155.	2.0	9
61	A facile approach to patterning pollen microparticles for in situ imaging. Applied Materials Today, 2020, 20, 100702.	2.3	2
62	Scalable Fabrication of Quasi-One-Dimensional Gold Nanoribbons for Plasmonic Sensing. Nano Letters, 2020, 20, 1747-1754.	4.5	19
63	Degradation of the sporopollenin exine capsules (SECs) in human plasma. Applied Materials Today, 2020, 19, 100594.	2.3	7
64	Supported lipid bilayer platform for characterizing the optimization of mixed monoglyceride nano-micelles. Applied Materials Today, 2020, 19, 100598.	2.3	7
65	Lipid Bicelle Micropatterning Using Chemical Lift-Off Lithography. ACS Applied Materials & Interfaces, 2020, 12, 13447-13455.	4.0	13
66	Photocurable Albumin Methacryloyl Hydrogels as a Versatile Platform for Tissue Engineering. ACS Applied Bio Materials, 2020, 3, 920-934.	2.3	33
67	Supported Lipid Bilayer Formation: Beyond Vesicle Fusion. Langmuir, 2020, 36, 1387-1400.	1.6	94
68	Actuation and locomotion driven by moisture in paper made with natural pollen. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8711-8718.	3.3	68
69	Supported Lipid Bilayer Formation from Phospholipid-Fatty Acid Bicellar Mixtures. Langmuir, 2020, 36, 5021-5029.	1.6	14
70	Species-Specific Biodegradation of Sporopollenin-Based Microcapsules. Scientific Reports, 2019, 9, 9626.	1.6	14
71	Molecular diffusion and nano-mechanical properties of multi-phase supported lipid bilayers. Physical Chemistry Chemical Physics, 2019, 21, 16686-16693.	1.3	20
72	Comparing the Membrane-Interaction Profiles of Two Antiviral Peptides: Insights into Structureâ€“Function Relationship. Langmuir, 2019, 35, 9934-9943.	1.6	25

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73	Influence of NaCl Concentration on Bicelle-Mediated SLB Formation. Langmuir, 2019, 35, 10658-10666.	1.6	25
74	Quantitative accounting of dye leakage and photobleaching in single lipid vesicle measurements: Implications for biomacromolecular interaction analysis. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110338.	2.5	5
75	Porcine hepatocytes culture on biofunctionalized 3D inverted colloidal crystal scaffolds as an in vitro model for predicting drug hepatotoxicity. RSC Advances, 2019, 9, 17995-18007.	1.7	7
76	Characterizing the Supported Lipid Membrane Formation from Cholesterol-Rich Bicelles. Langmuir, 2019, 35, 15063-15070.	1.6	26
77	Surface-Based Nanoplasmonic Sensors for Biointerfacial Science Applications. Bulletin of the Chemical Society of Japan, 2019, 92, 1404-1412.	2.0	40
78	Dynamic Control of Intramolecular Rotation by Tuning the Surrounding Two-Dimensional Matrix Field. ACS Nano, 2019, 13, 2410-2419.	7.3	34
79	Solvent-assisted preparation of supported lipid bilayers. Nature Protocols, 2019, 14, 2091-2118.	5.5	70
80	In-depth characterization of congenital Zika syndrome in immunocompetent mice: Antibody-dependent enhancement and an antiviral peptide therapy. EBioMedicine, 2019, 44, 516-529.	2.7	27
81	Understanding How Membrane Surface Charge Influences Lipid Bicelle Adsorption onto Oxide Surfaces. Langmuir, 2019, 35, 8436-8444.	1.6	18
82	Improved Size Determination by Nanoparticle Tracking Analysis: Influence of Recognition Radius. Analytical Chemistry, 2019, 91, 9508-9515.	3.2	15
83	Modulating conformational stability of human serum albumin and implications for surface passivation applications. Colloids and Surfaces B: Biointerfaces, 2019, 180, 306-312.	2.5	11
84	Gelatin methacryloyl and its hydrogels with an exceptional degree of controllability and batch-to-batch consistency. Scientific Reports, 2019, 9, 6863.	1.6	204
85	Response of microbial membranes to butanol: interdigitationvs.disorder. Physical Chemistry Chemical Physics, 2019, 21, 11903-11915.	1.3	19
86	Microfluidic liquid cell chamber for scanning probe microscopy measurement application. Review of Scientific Instruments, 2019, 90, 046105.	0.6	10
87	Validation of Size Estimation of Nanoparticle Tracking Analysis on Polydisperse Macromolecule Assembly. Scientific Reports, 2019, 9, 2639.	1.6	88
88	Minimal Reconstitution of Membranous Web Induced by a Vesicleâ€“Peptide Solâ€“Gel Transition. Biomacromolecules, 2019, 20, 1709-1718.	2.6	4
89	Human blood plasma catalyses the degradation of Lycopodium plant sporoderm microcapsules. Scientific Reports, 2019, 9, 2944.	1.6	7
90	Micropatterned Viral Membrane Clusters for Antiviral Drug Evaluation. ACS Applied Materials & Interfaces, 2019, 11, 13984-13990.	4.0	7

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91	Nanoplasmonic Sensor Detects Preferential Binding of IRSp53 to Negative Membrane Curvature. Frontiers in Chemistry, 2019, 7, 1.	1.8	439
92	Characterizing the Membrane-Disruptive Behavior of Dodecylglycerol Using Supported Lipid Bilayers. Langmuir, 2019, 35, 3568-3575.	1.6	14
93	Nanoarchitectonicâ€Based Material Platforms for Environmental and Bioprocessing Applications. Chemical Record, 2019, 19, 1891-1912.	2.9	17
94	Targeting the Achilles Heel of Mosquito-Borne Viruses for Antiviral Therapy. ACS Infectious Diseases, 2019, 5, 4-8.	1.8	24
95	Hybrid Biomimetic Interfaces Integrating Supported Lipid Bilayers with Decellularized Extracellular Matrix Components. Langmuir, 2018, 34, 3507-3516.	1.6	10
96	Lightâ€Induced Surface Modification of Natural Plant Microparticles: Toward Colloidal Science and Cellular Adhesion Applications. Advanced Functional Materials, 2018, 28, 1707568.	7.8	20
97	Preserving the inflated structure of lyophilized sporopollenin exine capsules with polyethylene glycol osmolyte. Journal of Industrial and Engineering Chemistry, 2018, 61, 255-264.	2.9	14
98	Interfacial Forces Dictate the Pathway of Phospholipid Vesicle Adsorption onto Silicon Dioxide Surfaces. Langmuir, 2018, 34, 1775-1782.	1.6	49
99	Effect of Glucose on the Mobility of Membrane-Adhering Liposomes. Langmuir, 2018, 34, 503-511.	1.6	4
100	Functionalized Natural Particles: Lightâ€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.	7.8	0
101	Extraction of cage-like sporopollenin exine capsules from dandelion pollen grains. Scientific Reports, 2018, 8, 6565.	1.6	28
102	Complement activation in vitro and reactogenicity of low-molecular weight dextran-coated SPIONs in the pig CARPA model: Correlation with physicochemical features and clinical information. Journal of Controlled Release, 2018, 270, 268-274.	4.8	36
103	Nanoplasmonic sensors for detecting circulating cancer biomarkers. Advanced Drug Delivery Reviews, 2018, 125, 48-77.	6.6	88
104	A Numerical Study on the Effect of Particle Surface Coverage on the Quartz Crystal Microbalance Response. Analytical Chemistry, 2018, 90, 2238-2245.	3.2	28
105	Nanoplasmonic Ruler for Measuring Separation Distance between Supported Lipid Bilayers and Oxide Surfaces. Analytical Chemistry, 2018, 90, 12503-12511.	3.2	16
106	Characterizing How Acidic pH Conditions Affect the Membrane-Disruptive Activities of Lauric Acid and Glycerol Monolaurate. Langmuir, 2018, 34, 13745-13753.	1.6	27
107	Therapeutic treatment of Zika virus infection using a brain-penetrating antiviral peptide. Nature Materials, 2018, 17, 971-977.	13.3	74
108	Temperature-Induced Denaturation of BSA Protein Molecules for Improved Surface Passivation Coatings. ACS Applied Materials & Interfaces, 2018, 10, 32047-32057.	4.0	77

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109	Nanoplasmonic Sensing Architectures for Decoding Membrane Curvature-Dependent Biomacromolecular Interactions. Analytical Chemistry, 2018, 90, 7458-7466.	3.2	16
110	Fluorescence-based immunosensor using three-dimensional CNT network structure for sensitive and reproducible detection of oral squamous cell carcinoma biomarker. Analytica Chimica Acta, 2018, 1027, 101-108.	2.6	34
111	Materials Nanoarchitectonics for Mechanical Tools in Chemical and Biological Sensing. Chemistry - an Asian Journal, 2018, 13, 3366-3377.	1.7	40
112	Membrane Reconstitution of Monoamine Oxidase Enzymes on Supported Lipid Bilayers. Langmuir, 2018, 34, 10764-10773.	1.6	4
113	Macromolecular Microencapsulation Using Pine Pollen: Loading Optimization and Controlled Release with Natural Materials. ACS Applied Materials & Interfaces, 2018, 10, 28428-28439.	4.0	24
114	Fabrication of Multicomponent, Spatially Segregated DNA and Protein-Functionalized Supported Membrane Microarray. Langmuir, 2018, 34, 9781-9788.	1.6	10
115	Spatially Controlled Molecular Encapsulation in Natural Pine Pollen Microcapsules. Particle and Particle Systems Characterization, 2018, 35, 1800151.	1.2	8
116	Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold. Biomaterials, 2018, 182, 299-311.	5.7	93
117	Antibacterial Free Fatty Acids and Monoglycerides: Biological Activities, Experimental Testing, and Therapeutic Applications. International Journal of Molecular Sciences, 2018, 19, 1114.	1.8	325
118	Quantitative Comparison of Protein Adsorption and Conformational Changes on Dielectric-Coated Nanoplasmonic Sensing Arrays. Sensors, 2018, 18, 1283.	2.1	19
119	Membrane adaptation limitations inEnterococcus faecalisunderlie sensitivity and the inability to develop significant resistance to conjugated oligoelectrolytes. RSC Advances, 2018, 8, 10284-10293.	1.7	15
120	Amyloid-Î² Peptide Triggers Membrane Remodeling in Supported Lipid Bilayers Depending on Their Hydrophobic Thickness. Langmuir, 2018, 34, 9548-9560.	1.6	18
121	Targeting the Achilles Heel of Zika Virus and Other Emerging Viral Pathogens. Advanced Therapeutics, 2018, 1, 1800045.	1.6	3
122	Hydrolytic Stability of Methacrylamide and Methacrylate in Gelatin Methacryloyl and Decoupling of Gelatin Methacrylamide from Gelatin Methacryloyl through Hydrolysis. Macromolecular Chemistry and Physics, 2018, 219, 1800266.	1.1	26
123	Envisioning Scientific Innovation in Koreaâ€™s Demilitarized Zone: A Step toward Economic Progress and Global Peace. ACS Nano, 2018, 12, 5073-5077.	7.3	1
124	Self-association and conformational variation of NS5A domain 1 of hepatitis C virus. Journal of General Virology, 2018, 99, 194-208.	1.3	2
125	A Broad-Spectrum Antiviral Peptide for Combating Emerging Viral Pathogens. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY28-1.	0.0	0
126	Correlating Membrane Morphological Responses with Micellar Aggregation Behavior of Capric Acid and Monocaprin. Langmuir, 2017, 33, 2750-2759.	1.6	47

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127	High-performance, flexible electronic skin sensor incorporating natural microcapsule actuators. Nano Energy, 2017, 36, 38-45.	8.2	160
128	A flexible, ultra-sensitive chemical sensor with 3D biomimetic templating for diabetes-related acetone detection. Journal of Materials Chemistry B, 2017, 5, 4019-4024.	2.9	76
129	Optimizing the Formation of Supported Lipid Bilayers from Bicellar Mixtures. Langmuir, 2017, 33, 5052-5064.	1.6	52
130	Plantâ€Based Hollow Microcapsules for Oral Delivery Applications: Toward Optimized Loading and Controlled Release. Advanced Functional Materials, 2017, 27, 1700270.	7.8	74
131	Chemical processing strategies to obtain sporopollenin exine capsules from multi-compartmental pine pollen. Journal of Industrial and Engineering Chemistry, 2017, 53, 375-385.	2.9	24
132	Co-assembly of Peptide Amphiphiles and Lipids into Supramolecular Nanostructures Driven by Anionâ^Ï€ Interactions. Journal of the American Chemical Society, 2017, 139, 7823-7830.	6.6	75
133	Cell Adhesion: Dynamic Cellular Interactions with Extracellular Matrix Triggered by Biomechanical Tuning of Lowâ€Rigidity, Supported Lipid Membranes (Adv. Healthcare Mater. 10/2017). Advanced Healthcare Materials, 2017, 6, .	3.9	1
134	Probing Spatial Proximity of Supported Lipid Bilayers to Silica Surfaces by Localized Surface Plasmon Resonance Sensing. Analytical Chemistry, 2017, 89, 4301-4308.	3.2	22
135	Nanoplasmonic sensors for biointerfacial science. Chemical Society Reviews, 2017, 46, 3615-3660.	18.7	195
136	Dynamic Cellular Interactions with Extracellular Matrix Triggered by Biomechanical Tuning of Lowâ€Rigidity, Supported Lipid Membranes. Advanced Healthcare Materials, 2017, 6, 1700243.	3.9	21
137	Controlling adsorption and passivation properties of bovine serum albumin on silica surfaces by ionic strength modulation and cross-linking. Physical Chemistry Chemical Physics, 2017, 19, 8854-8865.	1.3	49
138	Investigating how vesicle size influences vesicle adsorption on titanium oxide: a competition between steric packing and shape deformation. Physical Chemistry Chemical Physics, 2017, 19, 2131-2139.	1.3	31
139	Quantitative Profiling of Nanoscale Liposome Deformation by a Localized Surface Plasmon Resonance Sensor. Analytical Chemistry, 2017, 89, 1102-1109.	3.2	52
140	Detection of Amphipathic Viral Peptide on Screen-Printed Electrodes by Liposome Rupture Impact Voltammetry. Analytical Chemistry, 2017, 89, 11753-11757.	3.2	7
141	Quantitative Evaluation of Viral Protein Binding to Phosphoinositide Receptors and Pharmacological Inhibition. Analytical Chemistry, 2017, 89, 9742-9750.	3.2	7
142	Bioinspired Spiky Micromotors Based on Sporopollenin Exine Capsules. Advanced Functional Materials, 2017, 27, 1702338.	7.8	92
143	Colloidal templating of highly ordered gelatin methacryloyl-based hydrogel platforms for three-dimensional tissue analogues. NPG Asia Materials, 2017, 9, e412-e412.	3.8	42
144	A model derived from hydrodynamic simulations for extracting the size of spherical particles from the quartz crystal microbalance. Analyst, The, 2017, 142, 3370-3379.	1.7	26

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145	Drug Delivery: Plantâ€Based Hollow Microcapsules for Oral Delivery Applications: Toward Optimized Loading and Controlled Release (Adv. Funct. Mater. 31/2017). Advanced Functional Materials, 2017, 27, .	7.8	0
146	Quartz Crystal Microbalance Model for Quantitatively Probing the Deformation of Adsorbed Particles at Low Surface Coverage. Analytical Chemistry, 2017, 89, 11711-11718.	3.2	26
147	Understanding How Sterols Regulate Membrane Remodeling in Supported Lipid Bilayers. Langmuir, 2017, 33, 14756-14765.	1.6	30
148	Indirect Nanoplasmonic Sensing Platform for Monitoring Temperature-Dependent Protein Adsorption. Analytical Chemistry, 2017, 89, 12976-12983.	3.2	36
149	Influence of natural organic matter (NOM) coatings on nanoparticle adsorption onto supported lipid bilayers. Journal of Hazardous Materials, 2017, 339, 264-273.	6.5	10
150	Immobilization Strategies for Functional Complement Convertase Assembly at Lipid Membrane Interfaces. Langmuir, 2017, 33, 7332-7342.	1.6	11
151	Mechanical properties of paraformaldehyde-treated individual cells investigated by atomic force microscopy and scanning ion conductance microscopy. Nano Convergence, 2017, 4, 5.	6.3	72
152	Probing the Interaction of Dielectric Nanoparticles with Supported Lipid Membrane Coatings on Nanoplasmonic Arrays. Sensors, 2017, 17, 1484.	2.1	16
153	Optimizing the Performance of Supported Lipid Bilayers as Cell Culture Platforms Based on Extracellular Matrix Functionalization. ACS Omega, 2017, 2, 2395-2404.	1.6	23
154	Long-term culture of human liver tissue with advanced hepatic functions. JCI Insight, 2017, 2, .	2.3	23
155	Nanotechnology Formulations for Antibacterial Free Fatty Acids and Monoglycerides. Molecules, 2016, 21, 305.	1.7	88
156	Natural Products for the Treatment of Chlamydiaceae Infections. Microorganisms, 2016, 4, 39.	1.6	20
157	Spheroid Formation of Hepatocarcinoma Cells in Microwells: Experiments and Monte Carlo Simulations. PLoS ONE, 2016, 11, e0161915.	1.1	21
158	Preparation of Highly Monodisperse Electroactive Pollen Biocomposites. ChemNanoMat, 2016, 2, 414-418.	1.5	6
159	Plasmonic Nanohole Sensor for Capturing Single Virusâ€Like Particles toward Virucidal Drug Evaluation. Small, 2016, 12, 1159-1166.	5.2	57
160	Nanomedicine for Infectious Disease Applications: Innovation towards Broadâ€Spectrum Treatment of Viral Infections. Small, 2016, 12, 1133-1139.	5.2	52
161	Natural Sunflower Pollen as a Drug Delivery Vehicle. Small, 2016, 12, 1167-1173.	5.2	81
162	Biofunctionalized Hydrogel Microscaffolds Promote 3D Hepatic Sheet Morphology. Macromolecular Bioscience, 2016, 16, 314-321.	2.1	19

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163	Lycopodium Spores: A Naturally Manufactured, Superrobust Biomaterial for Drug Delivery. Advanced Functional Materials, 2016, 26, 487-497.	7.8	47
164	Grapheneâ€Functionalized Natural Microcapsules: Modular Building Blocks for Ultrahigh Sensitivity Bioelectronic Platforms. Advanced Functional Materials, 2016, 26, 2097-2103.	7.8	75
165	ECM proteins in a microporous scaffold influence hepatocyte morphology, function, and gene expression. Scientific Reports, 2016, 6, 37427.	1.6	29
166	Pulled microcapillary tube resonators with electrical readout for mass sensing applications. Scientific Reports, 2016, 6, 33799.	1.6	19
167	Biosensors: Flexible, Graphene-Coated Biocomposite for Highly Sensitive, Real-Time Molecular Detection (Adv. Funct. Mater. 47/2016). Advanced Functional Materials, 2016, 26, 8796-8796.	7.8	0
168	Eco-friendly streamlined process for sporopollenin exine capsule extraction. Scientific Reports, 2016, 6, 19960.	1.6	56
169	Particle Tracking: Probing Membrane Viscosity and Interleaflet Friction of Supported Lipid Bilayers by Tracking Electrostatically Adsorbed, Nano-Sized Vesicles (Small 46/2016). Small, 2016, 12, 6304-6304.	5.2	0
170	Envisioning the Future of Nanotechnology Platforms for Biomedicine. Small, 2016, 12, 1116-1116.	5.2	1
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