

Nam-Joon Cho

List of Publications by Year in descending order

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274
papers

11,038
citations

36203

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all docs

281
docs citations

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times ranked

13546
citing authors

#	ARTICLE	IF	CITATIONS
1	Midbrain-like Organoids from Human Pluripotent Stem Cells Contain Functional Dopaminergic and Neuromelanin-Producing Neurons. <i>Cell Stem Cell</i> , 2016, 19, 248-257.	5.2	628
2	Quartz crystal microbalance with dissipation monitoring of supported lipid bilayers on various substrates. <i>Nature Protocols</i> , 2010, 5, 1096-1106.	5.5	471
3	Nanoplasmonic Sensor Detects Preferential Binding of IRSp53 to Negative Membrane Curvature. <i>Frontiers in Chemistry</i> , 2019, 7, 1.	1.8	439
4	Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , 2015, 10, 213-239.	6.2	356
5	Antibacterial Free Fatty Acids and Monoglycerides: Biological Activities, Experimental Testing, and Therapeutic Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1114.	1.8	325
6	Precise Tuning of Facile One-Pot Gelatin Methacryloyl (GelMA) Synthesis. <i>Scientific Reports</i> , 2016, 6, 31036.	1.6	270
7	Gelatin methacryloyl and its hydrogels with an exceptional degree of controllability and batch-to-batch consistency. <i>Scientific Reports</i> , 2019, 9, 6863.	1.6	204
8	Nanoplasmonic sensors for biointerfacial science. <i>Chemical Society Reviews</i> , 2017, 46, 3615-3660.	18.7	195
9	High-performance 3D printing of hydrogels by water-dispersible photoinitiator nanoparticles. <i>Science Advances</i> , 2016, 2, e1501381.	4.7	191
10	Bimodal Tumor-Targeting from Microenvironment Responsive Hyaluronan Layer-by-Layer (LbL) Nanoparticles. <i>ACS Nano</i> , 2014, 8, 8374-8382.	7.3	161
11	High-performance, flexible electronic skin sensor incorporating natural microcapsule actuators. <i>Nano Energy</i> , 2017, 36, 38-45.	8.2	160
12	Silk fibroin-keratin based 3D scaffolds as a dermal substitute for skin tissue engineering. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 53-63.	0.6	139
13	Solvent-Assisted Lipid Bilayer Formation on Silicon Dioxide and Gold. <i>Langmuir</i> , 2014, 30, 10363-10373.	1.6	134
14	Efficient and controllable synthesis of highly substituted gelatin methacrylamide for mechanically stiff hydrogels. <i>RSC Advances</i> , 2015, 5, 106094-106097.	1.7	118
15	Flexible, Graphene-Coated Biocomposite for Highly Sensitive, Real-Time Molecular Detection. <i>Advanced Functional Materials</i> , 2016, 26, 8623-8630.	7.8	116
16	Employing Two Different Quartz Crystal Microbalance Models To Study Changes in Viscoelastic Behavior upon Transformation of Lipid Vesicles to a Bilayer on a Gold Surface. <i>Analytical Chemistry</i> , 2007, 79, 7027-7035.	3.2	113
17	Employing an Amphipathic Viral Peptide to Create a Lipid Bilayer on Au and TiO ₂ . <i>Journal of the American Chemical Society</i> , 2007, 129, 10050-10051.	6.6	107
18	Biotechnology Applications of Tethered Lipid Bilayer Membranes. <i>Materials</i> , 2012, 5, 2637-2657.	1.3	101

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19	Supported Lipid Bilayer Formation: Beyond Vesicle Fusion. <i>Langmuir</i> , 2020, 36, 1387-1400.	1.6	94
20	Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold. <i>Biomaterials</i> , 2018, 182, 299-311.	5.7	93
21	Bioinspired Spiky Micromotors Based on Sporopollenin Exine Capsules. <i>Advanced Functional Materials</i> , 2017, 27, 1702338.	7.8	92
22	Nanotechnology Formulations for Antibacterial Free Fatty Acids and Monoglycerides. <i>Molecules</i> , 2016, 21, 305.	1.7	88
23	Nanoplasmonic sensors for detecting circulating cancer biomarkers. <i>Advanced Drug Delivery Reviews</i> , 2018, 125, 48-77.	6.6	88
24	Validation of Size Estimation of Nanoparticle Tracking Analysis on Polydisperse Macromolecule Assembly. <i>Scientific Reports</i> , 2019, 9, 2639.	1.6	88
25	pH-Driven Assembly of Various Supported Lipid Platforms: A Comparative Study on Silicon Oxide and Titanium Oxide. <i>Langmuir</i> , 2011, 27, 3739-3748.	1.6	83
26	Influence of Osmotic Pressure on Adhesion of Lipid Vesicles to Solid Supports. <i>Langmuir</i> , 2013, 29, 11375-11384.	1.6	81
27	Natural Sunflower Pollen as a Drug Delivery Vehicle. <i>Small</i> , 2016, 12, 1167-1173.	5.2	81
28	Spectrum of Membrane Morphological Responses to Antibacterial Fatty Acids and Related Surfactants. <i>Langmuir</i> , 2015, 31, 10223-10232.	1.6	80
29	Temperature-Induced Denaturation of BSA Protein Molecules for Improved Surface Passivation Coatings. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32047-32057.	4.0	77
30	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.	2.9	76
31	Graphene-Functionalized Natural Microcapsules: Modular Building Blocks for Ultrahigh Sensitivity Bioelectronic Platforms. <i>Advanced Functional Materials</i> , 2016, 26, 2097-2103.	7.8	75
32	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.	6.6	75
33	Plant-Based Hollow Microcapsules for Oral Delivery Applications: Toward Optimized Loading and Controlled Release. <i>Advanced Functional Materials</i> , 2017, 27, 1700270.	7.8	74
34	Therapeutic treatment of Zika virus infection using a brain-penetrating antiviral peptide. <i>Nature Materials</i> , 2018, 17, 971-977.	13.3	74
35	Mechanical properties of paraformaldehyde-treated individual cells investigated by atomic force microscopy and scanning ion conductance microscopy. <i>Nano Convergence</i> , 2017, 4, 5.	6.3	72
36	Mechanism of an Amphipathic α -Helical Peptide's Antiviral Activity Involves Size-Dependent Virus Particle Lysis. <i>ACS Chemical Biology</i> , 2009, 4, 1061-1067.	1.6	71

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37	Solvent-assisted preparation of supported lipid bilayers. <i>Nature Protocols</i> , 2019, 14, 2091-2118.	5.5	70
38	Self-Assembly Formation of Lipid Bilayer Coatings on Bare Aluminum Oxide: Overcoming the Force of Interfacial Water. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 959-968.	4.0	68
39	Actuation and locomotion driven by moisture in paper made with natural pollen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8711-8718.	3.3	68
40	Comparison of Extruded and Sonicated Vesicles for Planar Bilayer Self-Assembly. <i>Materials</i> , 2013, 6, 3294-3308.	1.3	66
41	Solvent-Assisted Lipid Self-Assembly at Hydrophilic Surfaces: Factors Influencing the Formation of Supported Membranes. <i>Langmuir</i> , 2015, 31, 3125-3134.	1.6	66
42	Microrobots Derived from Variety Plant Pollen Grains for Efficient Environmental Clean Up and as an Anti-Cancer Drug Carrier. <i>Advanced Functional Materials</i> , 2020, 30, 2000112.	7.8	64
43	Transformation of hard pollen into soft matter. <i>Nature Communications</i> , 2020, 11, 1449.	5.8	58
44	Plasmonic Nanohole Sensor for Capturing Single Virus-Like Particles toward Virucidal Drug Evaluation. <i>Small</i> , 2016, 12, 1159-1166.	5.2	57
45	Single Vesicle Analysis Reveals Nanoscale Membrane Curvature Selective Pore Formation in Lipid Membranes by an Antiviral α -Helical Peptide. <i>Nano Letters</i> , 2012, 12, 5719-5725.	4.5	56
46	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.	1.2	56
47	Eco-friendly streamlined process for sporopollenin exine capsule extraction. <i>Scientific Reports</i> , 2016, 6, 19960.	1.6	56
48	Influence of Divalent Cations on Deformation and Rupture of Adsorbed Lipid Vesicles. <i>Langmuir</i> , 2016, 32, 6486-6495.	1.6	56
49	Extraction of sporopollenin exine capsules from sunflower pollen grains. <i>RSC Advances</i> , 2016, 6, 16533-16539.	1.7	55
50	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.	1.7	55
51	Nanoplasmonic Biosensing for Soft Matter Adsorption: Kinetics of Lipid Vesicle Attachment and Shape Deformation. <i>Langmuir</i> , 2014, 30, 9494-9503.	1.6	54
52	Formation of Cholesterol-Rich Supported Membranes Using Solvent-Assisted Lipid Self-Assembly. <i>Langmuir</i> , 2014, 30, 13345-13352.	1.6	53
53	Identification of a Class of HCV Inhibitors Directed Against the Nonstructural Protein NS4B. <i>Science Translational Medicine</i> , 2010, 2, 15ra6.	5.8	52
54	Chiral crystallization of aromatic helical foldamers via complementarities in shape and end functionalities. <i>Chemical Science</i> , 2012, 3, 2042.	3.7	52

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55	Contribution of the Hydration Force to Vesicle Adhesion on Titanium Oxide. <i>Langmuir</i> , 2014, 30, 5368-5372.	1.6	52
56	Nanomedicine for Infectious Disease Applications: Innovation towards Broad-Spectrum Treatment of Viral Infections. <i>Small</i> , 2016, 12, 1133-1139.	5.2	52
57	Optimizing the Formation of Supported Lipid Bilayers from Bicellar Mixtures. <i>Langmuir</i> , 2017, 33, 5052-5064.	1.6	52
58	Quantitative Profiling of Nanoscale Liposome Deformation by a Localized Surface Plasmon Resonance Sensor. <i>Analytical Chemistry</i> , 2017, 89, 1102-1109.	3.2	52
59	Type I Collagen-Functionalized Supported Lipid Bilayer as a Cell Culture Platform. <i>Biomacromolecules</i> , 2010, 11, 1231-1240.	2.6	51
60	Quartz Crystal Microbalance as a Sensor to Characterize Macromolecular Assembly Dynamics. <i>Journal of Sensors</i> , 2009, 2009, 1-17.	0.6	50
61	Fabrication of a Planar Zwitterionic Lipid Bilayer on Titanium Oxide. <i>Langmuir</i> , 2010, 26, 15706-15710.	1.6	49
62	Stealth Immune Properties of Graphene Oxide Enabled by Surface-Bound Complement Factor H. <i>ACS Nano</i> , 2016, 10, 10161-10172.	7.3	49
63	Encapsulation and controlled release formulations of 5-fluorouracil from natural <i>Lycopodium clavatum</i> spores. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 36, 102-108.	2.9	49
64	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.	1.3	49
65	Interfacial Forces Dictate the Pathway of Phospholipid Vesicle Adsorption onto Silicon Dioxide Surfaces. <i>Langmuir</i> , 2018, 34, 1775-1782.	1.6	49
66	Vesicle Adhesion and Rupture on Silicon Oxide: Influence of Freeze-Thaw Pretreatment. <i>Langmuir</i> , 2014, 30, 2152-2160.	1.6	47
67	Modulation of Huh7.5 Spheroid Formation and Functionality Using Modified PEG-Based Hydrogels of Different Stiffness. <i>PLoS ONE</i> , 2015, 10, e0118123.	1.1	47
68	<i>Lycopodium</i> Spores: A Naturally Manufactured, Superrobust Biomaterial for Drug Delivery. <i>Advanced Functional Materials</i> , 2016, 26, 487-497.	7.8	47
69	Correlating Membrane Morphological Responses with Micellar Aggregation Behavior of Capric Acid and Monocaprin. <i>Langmuir</i> , 2017, 33, 2750-2759.	1.6	47
70	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.	3.2	46
71	Nanoplasmonic ruler to measure lipid vesicle deformation. <i>Chemical Communications</i> , 2016, 52, 76-79.	2.2	46
72	Stopping Membrane-Enveloped Viruses with Nanotechnology Strategies: Toward Antiviral Drug Development and Pandemic Preparedness. <i>ACS Nano</i> , 2021, 15, 125-148.	7.3	46

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73	Alpha-Helical Peptide-Induced Vesicle Rupture Revealing New Insight into the Vesicle Fusion Process As Monitored <i>in Situ</i> by Quartz Crystal Microbalance-Dissipation and Reflectometry. <i>Analytical Chemistry</i> , 2009, 81, 4752-4761.	3.2	45
74	Improving Taxane-Based Chemotherapy in Castration-Resistant Prostate Cancer. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 451-462.	4.0	45
75	Contribution of Temperature to Deformation of Adsorbed Vesicles Studied by Nanoplasmonic Biosensing. <i>Langmuir</i> , 2015, 31, 771-781.	1.6	44
76	Multifunctional hydrogel nano-probes for atomic force microscopy. <i>Nature Communications</i> , 2016, 7, 11566.	5.8	44
77	Conformational flexibility of fatty acid-free bovine serum albumin proteins enables superior antifouling coatings. <i>Communications Materials</i> , 2020, 1, .	2.9	44
78	Influence of pH and Surface Chemistry on Poly(L-lysine) Adsorption onto Solid Supports Investigated by Quartz Crystal Microbalance with Dissipation Monitoring. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10554-10565.	1.2	43
79	Nanotechnology Education for the Global World: Training the Leaders of Tomorrow. <i>ACS Nano</i> , 2016, 10, 5595-5599.	7.3	43
80	A small molecule inhibits HCV replication and alters NS4B's subcellular distribution. <i>Antiviral Research</i> , 2010, 87, 1-8.	1.9	42
81	Controlling Lipid Membrane Architecture for Tunable Nanoplasmonic Biosensing. <i>Small</i> , 2014, 10, 4828-4832.	5.2	42
82	Colloidal templating of highly ordered gelatin methacryloyl-based hydrogel platforms for three-dimensional tissue analogues. <i>NPG Asia Materials</i> , 2017, 9, e412-e412.	3.8	42
83	Quartz resonator signatures under Newtonian liquid loading for initial instrument check. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 248-254.	5.0	40
84	Deciphering How Pore Formation Causes Strain-Induced Membrane Lysis of Lipid Vesicles. <i>Journal of the American Chemical Society</i> , 2016, 138, 1406-1413.	6.6	40
85	Materials Nanoarchitectonics for Mechanical Tools in Chemical and Biological Sensing. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3366-3377.	1.7	40
86	Surface-Based Nanoplasmonic Sensors for Biointerfacial Science Applications. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1404-1412.	2.0	40
87	Microplastics released from food containers can suppress lysosomal activity in mouse macrophages. <i>Journal of Hazardous Materials</i> , 2022, 435, 128980.	6.5	40
88	Model Membrane Platforms for Biomedicine: Case Study on Antiviral Drug Development. <i>Biointerphases</i> , 2012, 7, 18.	0.6	39
89	Kinetics of the formation of a protein corona around nanoparticles. <i>Mathematical Biosciences</i> , 2016, 282, 82-90.	0.9	39
90	Cloaking Silica Nanoparticles with Functional Protein Coatings for Reduced Complement Activation and Cellular Uptake. <i>ACS Nano</i> , 2020, 14, 11950-11961.	7.3	39

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91	Binding Dynamics of Hepatitis C Virus' NS5A Amphipathic Peptide to Cell and Model Membranes. <i>Journal of Virology</i> , 2007, 81, 6682-6689.	1.5	38
92	Phosphatidylinositol 4,5-Bisphosphate Is an HCV NS5A Ligand and Mediates Replication of the Viral Genome. <i>Gastroenterology</i> , 2015, 148, 616-625.	0.6	37
93	Controlling the Formation of Phospholipid Monolayer, Bilayer, and Intact Vesicle Layer on Graphene. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11875-11880.	4.0	37
94	Indirect Nanoplasmonic Sensing Platform for Monitoring Temperature-Dependent Protein Adsorption. <i>Analytical Chemistry</i> , 2017, 89, 12976-12983.	3.2	36
95	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. <i>Journal of Controlled Release</i> , 2018, 270, 268-274.	4.8	36
96	Materials science approaches in the development of broad-spectrum antiviral therapies. <i>Nature Materials</i> , 2020, 19, 813-816.	13.3	36
97	Hydrophobic nanoparticles improve permeability of cell-encapsulating poly(ethylene glycol) hydrogels while maintaining patternability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20709-20714.	3.3	34
98	Fluorescence-based immunosensor using three-dimensional CNT network structure for sensitive and reproducible detection of oral squamous cell carcinoma biomarker. <i>Analytica Chimica Acta</i> , 2018, 1027, 101-108.	2.6	34
99	Dynamic Control of Intramolecular Rotation by Tuning the Surrounding Two-Dimensional Matrix Field. <i>ACS Nano</i> , 2019, 13, 2410-2419.	7.3	34
100	Interfacial Binding Dynamics of Bee Venom Phospholipase A ₂ Investigated by Dynamic Light Scattering and Quartz Crystal Microbalance. <i>Langmuir</i> , 2010, 26, 4103-4112.	1.6	33
101	AH Peptide-Mediated Formation of Charged Planar Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3616-3621.	1.2	33
102	Photocurable Albumin Methacryloyl Hydrogels as a Versatile Platform for Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2020, 3, 920-934.	2.3	33
103	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.	1.3	31
104	Chemical design principles of next-generation antiviral surface coatings. <i>Chemical Society Reviews</i> , 2021, 50, 9741-9765.	18.7	31
105	Viral infection of human progenitor and liver-derived cells encapsulated in three-dimensional PEG-based hydrogel. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 011001.	1.7	30
106	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.	5.2	30
107	Fabrication of charged membranes by the solvent-assisted lipid bilayer (SALB) formation method on SiO ₂ and Al ₂ O ₃ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11546-11552.	1.3	30
108	Understanding How Sterols Regulate Membrane Remodeling in Supported Lipid Bilayers. <i>Langmuir</i> , 2017, 33, 14756-14765.	1.6	30

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109	ECM proteins in a microporous scaffold influence hepatocyte morphology, function, and gene expression. <i>Scientific Reports</i> , 2016, 6, 37427.	1.6	29
110	Vesicle Adsorption on Mesoporous Silica and Titania. <i>Langmuir</i> , 2010, 26, 16630-16633.	1.6	28
111	Extraction of cage-like sporopollenin exine capsules from dandelion pollen grains. <i>Scientific Reports</i> , 2018, 8, 6565.	1.6	28
112	A Numerical Study on the Effect of Particle Surface Coverage on the Quartz Crystal Microbalance Response. <i>Analytical Chemistry</i> , 2018, 90, 2238-2245.	3.2	28
113	Addressing the digital skills gap for future education. <i>Nature Human Behaviour</i> , 2021, 5, 542-545.	6.2	28
114	Colloid-Mediated Fabrication of a 3D Pollen Sponge for Oil Remediation Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2101091.	7.8	28
115	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.	6.6	27
116	Characterizing How Acidic pH Conditions Affect the Membrane-Disruptive Activities of Lauric Acid and Glycerol Monolaurate. <i>Langmuir</i> , 2018, 34, 13745-13753.	1.6	27
117	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.	2.7	27
118	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.	1.7	26
119	Quartz Crystal Microbalance Model for Quantitatively Probing the Deformation of Adsorbed Particles at Low Surface Coverage. <i>Analytical Chemistry</i> , 2017, 89, 11711-11718.	3.2	26
120	Hydrolytic Stability of Methacrylamide and Methacrylate in Gelatin Methacryloyl and Decoupling of Gelatin Methacrylamide from Gelatin Methacryloyl through Hydrolysis. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800266.	1.1	26
121	Characterizing the Supported Lipid Membrane Formation from Cholesterol-Rich Bicelles. <i>Langmuir</i> , 2019, 35, 15063-15070.	1.6	26
122	Natural Products for the Treatment of Trachoma and Chlamydia trachomatis. <i>Molecules</i> , 2015, 20, 4180-4203.	1.7	25
123	Adsorption of hyaluronic acid on solid supports: Role of pH and surface chemistry in thin film self-assembly. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 197-207.	5.0	25
124	Inflated Sporopollenin Exine Capsules Obtained from Thin-Walled Pollen. <i>Scientific Reports</i> , 2016, 6, 28017.	1.6	25
125	Comparing the Membrane-Interaction Profiles of Two Antiviral Peptides: Insights into Structure-Function Relationship. <i>Langmuir</i> , 2019, 35, 9934-9943.	1.6	25
126	Influence of NaCl Concentration on Bicelle-Mediated SLB Formation. <i>Langmuir</i> , 2019, 35, 10658-10666.	1.6	25

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127	Biomimetic Nanomaterial Strategies for Virus Targeting: Antiviral Therapies and Vaccines. <i>Advanced Functional Materials</i> , 2021, 31, 2008352.	7.8	25
128	Creation of Lipid Partitions by Deposition of Amphipathic Viral Peptides. <i>Langmuir</i> , 2007, 23, 10855-10863.	1.6	24
129	Chemical processing strategies to obtain sporopollenin exine capsules from multi-compartmental pine pollen. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 53, 375-385.	2.9	24
130	Macromolecular Microencapsulation Using Pine Pollen: Loading Optimization and Controlled Release with Natural Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28428-28439.	4.0	24
131	Targeting the Achilles Heel of Mosquito-Borne Viruses for Antiviral Therapy. <i>ACS Infectious Diseases</i> , 2019, 5, 4-8.	1.8	24
132	Optimizing the Performance of Supported Lipid Bilayers as Cell Culture Platforms Based on Extracellular Matrix Functionalization. <i>ACS Omega</i> , 2017, 2, 2395-2404.	1.6	23
133	Long-term culture of human liver tissue with advanced hepatic functions. <i>JCI Insight</i> , 2017, 2, .	2.3	23
134	Probing Spatial Proximity of Supported Lipid Bilayers to Silica Surfaces by Localized Surface Plasmon Resonance Sensing. <i>Analytical Chemistry</i> , 2017, 89, 4301-4308.	3.2	22
135	Competing Interactions of Fatty Acids and Monoglycerides Trigger Synergistic Phospholipid Membrane Remodeling. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4951-4957.	2.1	22
136	BIOPHYSICAL APPLICATIONS OF SCANNING ION CONDUCTANCE MICROSCOPY (SICM). <i>Modern Physics Letters B</i> , 2012, 26, 1130003.	1.0	21
137	Spheroid Formation of Hepatocarcinoma Cells in Microwells: Experiments and Monte Carlo Simulations. <i>PLoS ONE</i> , 2016, 11, e0161915.	1.1	21
138	Dynamic Cellular Interactions with Extracellular Matrix Triggered by Biomechanical Tuning of Low-Rigidity, Supported Lipid Membranes. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700243.	3.9	21
139	Digital printing of shape-morphing natural materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
140	Natural Products for the Treatment of Chlamydiaceae Infections. <i>Microorganisms</i> , 2016, 4, 39.	1.6	20
141	Cholesterol-Enriched Domain Formation Induced by Viral-Encoded, Membrane-Active Amphipathic Peptide. <i>Biophysical Journal</i> , 2016, 110, 176-187.	0.2	20
142	Light-Induced Surface Modification of Natural Plant Microparticles: Toward Colloidal Science and Cellular Adhesion Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1707568.	7.8	20
143	Molecular diffusion and nano-mechanical properties of multi-phase supported lipid bilayers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16686-16693.	1.3	20
144	Biofunctionalized Hydrogel Microscaffolds Promote 3D Hepatic Sheet Morphology. <i>Macromolecular Bioscience</i> , 2016, 16, 314-321.	2.1	19

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145	Pulled microcapillary tube resonators with electrical readout for mass sensing applications. <i>Scientific Reports</i> , 2016, 6, 33799.	1.6	19
146	A phenomenological model of the solvent-assisted lipid bilayer formation method. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24157-24163.	1.3	19
147	Relationship between vesicle size and steric hindrance influences vesicle rupture on solid supports. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3065-3072.	1.3	19
148	Quantitative Comparison of Protein Adsorption and Conformational Changes on Dielectric-Coated Nanoplasmonic Sensing Arrays. <i>Sensors</i> , 2018, 18, 1283.	2.1	19
149	Response of microbial membranes to butanol: interdigitation vs. disorder. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11903-11915.	1.3	19
150	Scalable Fabrication of Quasi-One-Dimensional Gold Nanoribbons for Plasmonic Sensing. <i>Nano Letters</i> , 2020, 20, 1747-1754.	4.5	19
151	Peptide-induced formation of a tethered lipid bilayer membrane on mesoporous silica. <i>European Biophysics Journal</i> , 2015, 44, 27-36.	1.2	18
152	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.	2.6	18
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