

Nam-Joon Cho

List of Publications by Citations

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261
papers

7,851
citations

45
h-index

75
g-index

281
ext. papers

9,443
ext. citations

8.2
avg, IF

6.62
L-index

#	Paper	IF	Citations
261	Midbrain-like Organoids from Human Pluripotent Stem Cells Contain Functional Dopaminergic and Neuromelanin-Producing Neurons. <i>Cell Stem Cell</i> , 2016 , 19, 248-257	18	421
260	Quartz crystal microbalance with dissipation monitoring of supported lipid bilayers on various substrates. <i>Nature Protocols</i> , 2010 , 5, 1096-106	18.8	391
259	Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , 2015 , 10, 213-239	17.9	283
258	Nanoplasmonic Sensor Detects Preferential Binding of IRSp53 to Negative Membrane Curvature. <i>Frontiers in Chemistry</i> , 2019 , 7, 1	5	263
257	Antibacterial Free Fatty Acids and Monoglycerides: Biological Activities, Experimental Testing, and Therapeutic Applications. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	166
256	Precise Tuning of Facile One-Pot Gelatin Methacryloyl (GelMA) Synthesis. <i>Scientific Reports</i> , 2016 , 6, 31036	16.9	157
255	Nanoplasmonic sensors for biointerfacial science. <i>Chemical Society Reviews</i> , 2017 , 46, 3615-3660	58.5	147
254	Bimodal tumor-targeting from microenvironment responsive hyaluronan layer-by-layer (LbL) nanoparticles. <i>ACS Nano</i> , 2014 , 8, 8374-82	16.7	135
253	High-performance 3D printing of hydrogels by water-dispersible photoinitiator nanoparticles. <i>Science Advances</i> , 2016 , 2, e1501381	14.3	130
252	High-performance, flexible electronic skin sensor incorporating natural microcapsule actuators. <i>Nano Energy</i> , 2017 , 36, 38-45	17.1	116
251	Silk fibroin-keratin based 3D scaffolds as a dermal substitute for skin tissue engineering. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 53-63	3.7	115
250	Solvent-assisted lipid bilayer formation on silicon dioxide and gold. <i>Langmuir</i> , 2014 , 30, 10363-73	4	104
249	Flexible, Graphene-Coated Biocomposite for Highly Sensitive, Real-Time Molecular Detection. <i>Advanced Functional Materials</i> , 2016 , 26, 8623-8630	15.6	98
248	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, 7027-35	7.8	98
247	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, 10050-1	16.4	95
246	Biotechnology Applications of Tethered Lipid Bilayer Membranes. <i>Materials</i> , 2012 , 5, 2637-2657	3.5	90
245	Gelatin methacryloyl and its hydrogels with an exceptional degree of controllability and batch-to-batch consistency. <i>Scientific Reports</i> , 2019 , 9, 6863	4.9	87

244	Bioinspired Spiky Micromotors Based on Sporopollenin Exine Capsules. <i>Advanced Functional Materials</i> , 2017 , 27, 1702338	15.6	74
243	pH-driven assembly of various supported lipid platforms: a comparative study on silicon oxide and titanium oxide. <i>Langmuir</i> , 2011 , 27, 3739-48	4	73
242	Influence of osmotic pressure on adhesion of lipid vesicles to solid supports. <i>Langmuir</i> , 2013 , 29, 11375-84	4	72
241	Graphene-Functionalized Natural Microcapsules: Modular Building Blocks for Ultrahigh Sensitivity Bioelectronic Platforms. <i>Advanced Functional Materials</i> , 2016 , 26, 2097-2103	15.6	72
240	Nanoplasmonic sensors for detecting circulating cancer biomarkers. <i>Advanced Drug Delivery Reviews</i> , 2018 , 125, 48-77	18.5	69
239	Efficient and controllable synthesis of highly substituted gelatin methacrylamide for mechanically stiff hydrogels. <i>RSC Advances</i> , 2015 , 5, 106094-106097	3.7	67
238	Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold. <i>Biomaterials</i> , 2018 , 182, 299-311	15.6	62
237	Mechanism of an amphipathic alpha-helical peptide's antiviral activity involves size-dependent virus particle lysis. <i>ACS Chemical Biology</i> , 2009 , 4, 1061-7	4.9	62
236	Co-assembly of Peptide Amphiphiles and Lipids into Supramolecular Nanostructures Driven by Anion-Anion Interactions. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7823-7830	16.4	60
235	Natural Sunflower Pollen as a Drug Delivery Vehicle. <i>Small</i> , 2016 , 12, 1167-73	11	60
234	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, 959-68	9.5	59
233	Spectrum of Membrane Morphological Responses to Antibacterial Fatty Acids and Related Surfactants. <i>Langmuir</i> , 2015 , 31, 10223-32	4	56
232	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	7.3	55
231	Solvent-assisted lipid self-assembly at hydrophilic surfaces: factors influencing the formation of supported membranes. <i>Langmuir</i> , 2015 , 31, 3125-34	4	54
230	Nanotechnology Formulations for Antibacterial Free Fatty Acids and Monoglycerides. <i>Molecules</i> , 2016 , 21, 305	4.8	53
229	Comparison of Extruded and Sonicated Vesicles for Planar Bilayer Self-Assembly. <i>Materials</i> , 2013 , 6, 3294-3308	3.3	52
228	Therapeutic treatment of Zika virus infection using a brain-penetrating antiviral peptide. <i>Nature Materials</i> , 2018 , 17, 971-977	27	52
227	Plant-Based Hollow Microcapsules for Oral Delivery Applications: Toward Optimized Loading and Controlled Release. <i>Advanced Functional Materials</i> , 2017 , 27, 1700270	15.6	50

226	Supported Lipid Bilayer Formation: Beyond Vesicle Fusion. <i>Langmuir</i> , 2020 , 36, 1387-1400	4	50
225	Single vesicle analysis reveals nanoscale membrane curvature selective pore formation in lipid membranes by an antiviral helical peptide. <i>Nano Letters</i> , 2012 , 12, 5719-25	11.5	50
224	Rupture of lipid vesicles by a broad-spectrum antiviral peptide: influence of vesicle size. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 16117-28	3.4	49
223	Identification of a class of HCV inhibitors directed against the nonstructural protein NS4B. <i>Science Translational Medicine</i> , 2010 , 2, 15ra6	17.5	49
222	Nanoplasmonic biosensing for soft matter adsorption: kinetics of lipid vesicle attachment and shape deformation. <i>Langmuir</i> , 2014 , 30, 9494-503	4	47
221	Type I collagen-functionalized supported lipid bilayer as a cell culture platform. <i>Biomacromolecules</i> , 2010 , 11, 1231-40	6.9	47
220	Plasmonic Nanohole Sensor for Capturing Single Virus-Like Particles toward Virucidal Drug Evaluation. <i>Small</i> , 2016 , 12, 1159-66	11	47
219	Influence of Divalent Cations on Deformation and Rupture of Adsorbed Lipid Vesicles. <i>Langmuir</i> , 2016 , 32, 6486-95	4	47
218	Temperature-Induced Denaturation of BSA Protein Molecules for Improved Surface Passivation Coatings. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32047-32057	9.5	47
217	Contribution of the hydration force to vesicle adhesion on titanium oxide. <i>Langmuir</i> , 2014 , 30, 5368-72	4	45
216	Chiral crystallization of aromatic helical foldamers via complementarities in shape and end functionalities. <i>Chemical Science</i> , 2012 , 3, 2042	9.4	45
215	Fabrication of a planar zwitterionic lipid bilayer on titanium oxide. <i>Langmuir</i> , 2010 , 26, 15706-10	4	45
214	Mechanical properties of paraformaldehyde-treated individual cells investigated by atomic force microscopy and scanning ion conductance microscopy. <i>Nano Convergence</i> , 2017 , 4, 5	9.2	44
213	Eco-friendly streamlined process for sporopollenin exine capsule extraction. <i>Scientific Reports</i> , 2016 , 6, 19960	4.9	44
212	Quantitative Profiling of Nanoscale Liposome Deformation by a Localized Surface Plasmon Resonance Sensor. <i>Analytical Chemistry</i> , 2017 , 89, 1102-1109	7.8	43
211	Validation of Size Estimation of Nanoparticle Tracking Analysis on Polydisperse Macromolecule Assembly. <i>Scientific Reports</i> , 2019 , 9, 2639	4.9	43
210	Formation of cholesterol-rich supported membranes using solvent-assisted lipid self-assembly. <i>Langmuir</i> , 2014 , 30, 13345-52	4	43
209	Contribution of temperature to deformation of adsorbed vesicles studied by nanoplasmonic biosensing. <i>Langmuir</i> , 2015 , 31, 771-81	4	43

208	Nanomedicine for Infectious Disease Applications: Innovation towards Broad-Spectrum Treatment of Viral Infections. <i>Small</i> , 2016 , 12, 1133-9	11	43
207	Modulation of Huh7.5 spheroid formation and functionality using modified PEG-based hydrogels of different stiffness. <i>PLoS ONE</i> , 2015 , 10, e0118123	3.7	42
206	Controlling lipid membrane architecture for tunable nanoplasmonic biosensing. <i>Small</i> , 2014 , 10, 4828-32	11	42
205	Nanoplasmonic ruler to measure lipid vesicle deformation. <i>Chemical Communications</i> , 2016 , 52, 76-9	5.8	41
204	Alpha-helical peptide-induced vesicle rupture revealing new insight into the vesicle fusion process as monitored in situ by quartz crystal microbalance-dissipation and reflectometry. <i>Analytical Chemistry</i> , 2009 , 81, 4752-61	7.8	41
203	A small molecule inhibits HCV replication and alters NS4B π subcellular distribution. <i>Antiviral Research</i> , 2010 , 87, 1-8	10.8	41
202	Interfacial Forces Dictate the Pathway of Phospholipid Vesicle Adsorption onto Silicon Dioxide Surfaces. <i>Langmuir</i> , 2018 , 34, 1775-1782	4	40
201	Quartz Crystal Microbalance as a Sensor to Characterize Macromolecular Assembly Dynamics. <i>Journal of Sensors</i> , 2009 , 2009, 1-17	2	39
200	Vesicle adhesion and rupture on silicon oxide: influence of freeze-thaw pretreatment. <i>Langmuir</i> , 2014 , 30, 2152-60	4	38
199	Optimizing the Formation of Supported Lipid Bilayers from Bicellar Mixtures. <i>Langmuir</i> , 2017 , 33, 5052-5064	10.4	37
198	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	6	37
197	Surface-Based Nanoplasmonic Sensors for Biointerfacial Science Applications. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 1404-1412	5.1	36
196	Deciphering How Pore Formation Causes Strain-Induced Membrane Lysis of Lipid Vesicles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1406-13	16.4	36
195	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	6.3	36
194	Solvent-assisted preparation of supported lipid bilayers. <i>Nature Protocols</i> , 2019 , 14, 2091-2118	18.8	35
193	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	7.8	35
192	Stealth Immune Properties of Graphene Oxide Enabled by Surface-Bound Complement Factor H. <i>ACS Nano</i> , 2016 , 10, 10161-10172	16.7	35
191	Extraction of sporopollenin exine capsules from sunflower pollen grains. <i>RSC Advances</i> , 2016 , 6, 16533-16539	15.3	35

190	Quartz resonator signatures under Newtonian liquid loading for initial instrument check. <i>Journal of Colloid and Interface Science</i> , 2007 , 315, 248-54	9.3	35
189	Lycopodium Spores: A Naturally Manufactured, Superrobust Biomaterial for Drug Delivery. <i>Advanced Functional Materials</i> , 2016 , 26, 487-497	15.6	35
188	Improving Taxane-Based Chemotherapy in Castration-Resistant Prostate Cancer. <i>Trends in Pharmacological Sciences</i> , 2016 , 37, 451-462	13.2	35
187	Kinetics of the formation of a protein corona around nanoparticles. <i>Mathematical Biosciences</i> , 2016 , 282, 82-90	3.9	35
186	Binding dynamics of hepatitis C virus TNS5A amphipathic peptide to cell and model membranes. <i>Journal of Virology</i> , 2007 , 81, 6682-9	6.6	34
185	Materials Nanoarchitectonics for Mechanical Tools in Chemical and Biological Sensing. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3366-3377	4.5	34
184	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, 10554-65	3.4	33
183	Multifunctional hydrogel nano-probes for atomic force microscopy. <i>Nature Communications</i> , 2016 , 7, 11566	17.4	33
182	Model membrane platforms for biomedicine: case study on antiviral drug development. <i>Biointerphases</i> , 2012 , 7, 18	1.8	33
181	Correlating Membrane Morphological Responses with Micellar Aggregation Behavior of Capric Acid and Monocaprin. <i>Langmuir</i> , 2017 , 33, 2750-2759	4	32
180	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	3.6	32
179	Colloidal templating of highly ordered gelatin methacryloyl-based hydrogel platforms for three-dimensional tissue analogues. <i>NPG Asia Materials</i> , 2017 , 9, e412-e412	10.3	32
178	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, 20709-14	11.5	32
177	Controlling the Formation of Phospholipid Monolayer, Bilayer, and Intact Vesicle Layer on Graphene. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11875-80	9.5	32
176	Interfacial binding dynamics of bee venom phospholipase A2 investigated by dynamic light scattering and quartz crystal microbalance. <i>Langmuir</i> , 2010 , 26, 4103-12	4	31
175	Phosphatidylinositol 4,5-bisphosphate is an HCV NS5A ligand and mediates replication of the viral genome. <i>Gastroenterology</i> , 2015 , 148, 616-25	13.3	30
174	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	11.5	30
173	AH peptide-mediated formation of charged planar lipid bilayers. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 3616-21	3.4	30

172	Dynamic Control of Intramolecular Rotation by Tuning the Surrounding Two-Dimensional Matrix Field. <i>ACS Nano</i> , 2019 , 13, 2410-2419	16.7	29
171	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	15.6	29
170	Indirect Nanoplasmonic Sensing Platform for Monitoring Temperature-Dependent Protein Adsorption. <i>Analytical Chemistry</i> , 2017 , 89, 12976-12983	7.8	29
169	Transformation of hard pollen into soft matter. <i>Nature Communications</i> , 2020 , 11, 1449	17.4	28
168	Correlation between Membrane Partitioning and Functional Activity in a Single Lipid Vesicle Assay Establishes Design Guidelines for Antiviral Peptides. <i>Small</i> , 2015 , 11, 2372-9	11	28
167	Materials science approaches in the development of broad-spectrum antiviral therapies. <i>Nature Materials</i> , 2020 , 19, 813-816	27	27
166	Viral infection of human progenitor and liver-derived cells encapsulated in three-dimensional PEG-based hydrogel. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 011001	3.5	27
165	Vesicle adsorption on mesoporous silica and titania. <i>Langmuir</i> , 2010 , 26, 16630-3	4	26
164	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, 11546-52	3.6	25
163	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	11.7	25
162	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 ^{3,6}	3.6	24
161	Influence of NaCl Concentration on Bicelle-Mediated SLB Formation. <i>Langmuir</i> , 2019 , 35, 10658-10666	4	24
160	Creation of lipid partitions by deposition of amphipathic viral peptides. <i>Langmuir</i> , 2007 , 23, 10855-63	4	24
159	Nanotechnology Education for the Global World: Training the Leaders of Tomorrow. <i>ACS Nano</i> , 2016 , 10, 5595-9	16.7	23
158	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
157	ECM proteins in a microporous scaffold influence hepatocyte morphology, function, and gene expression. <i>Scientific Reports</i> , 2016 , 6, 37427	4.9	23
156	Stopping Membrane-Enveloped Viruses with Nanotechnology Strategies: Toward Antiviral Drug Development and Pandemic Preparedness. <i>ACS Nano</i> , 2021 , 15, 125-148	16.7	22
155	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	9.3	21

154	Conformational flexibility of fatty acid-free bovine serum albumin proteins enables superior antifouling coatings. <i>Communications Materials</i> , 2020 , 1,	6	21
153	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	6.6	21
152	Probing Spatial Proximity of Supported Lipid Bilayers to Silica Surfaces by Localized Surface Plasmon Resonance Sensing. <i>Analytical Chemistry</i> , 2017 , 89, 4301-4308	7.8	20
151	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	8.8	20
150	Characterizing the Supported Lipid Membrane Formation from Cholesterol-Rich Bicelles. <i>Langmuir</i> , 2019 , 35, 15063-15070	4	20
149	Quartz Crystal Microbalance Model for Quantitatively Probing the Deformation of Adsorbed Particles at Low Surface Coverage. <i>Analytical Chemistry</i> , 2017 , 89, 11711-11718	7.8	20
148	Natural products for the treatment of trachoma and Chlamydia trachomatis. <i>Molecules</i> , 2015 , 20, 4180-2013	4.3	20
147	A Numerical Study on the Effect of Particle Surface Coverage on the Quartz Crystal Microbalance Response. <i>Analytical Chemistry</i> , 2018 , 90, 2238-2245	7.8	20
146	Dynamic Cellular Interactions with Extracellular Matrix Triggered by Biomechanical Tuning of Low-Rigidity, Supported Lipid Membranes. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700243	10.1	19
145	A model derived from hydrodynamic simulations for extracting the size of spherical particles from the quartz crystal microbalance. <i>Analyst, The</i> , 2017 , 142, 3370-3379	5	19
144	Understanding How Sterols Regulate Membrane Remodeling in Supported Lipid Bilayers. <i>Langmuir</i> , 2017 , 33, 14756-14765	4	19
143	Spheroid Formation of Hepatocarcinoma Cells in Microwells: Experiments and Monte Carlo Simulations. <i>PLoS ONE</i> , 2016 , 11, e0161915	3.7	19
142	Targeting the Achilles Heel of Mosquito-Borne Viruses for Antiviral Therapy. <i>ACS Infectious Diseases</i> , 2019 , 5, 4-8	5.5	19
141	Characterizing How Acidic pH Conditions Affect the Membrane-Disruptive Activities of Lauric Acid and Glycerol Monolaurate. <i>Langmuir</i> , 2018 , 34, 13745-13753	4	19
140	Inflated Sporopollenin Exine Capsules Obtained from Thin-Walled Pollen. <i>Scientific Reports</i> , 2016 , 6, 28017	4.7	17
139	Cholesterol-Enriched Domain Formation Induced by Viral-Encoded, Membrane-Active Amphipathic Peptide. <i>Biophysical Journal</i> , 2016 , 110, 176-87	2.9	17
138	Comparing the Membrane-Interaction Profiles of Two Antiviral Peptides: Insights into Structure-Function Relationship. <i>Langmuir</i> , 2019 , 35, 9934-9943	4	17
137	Optimizing the Performance of Supported Lipid Bilayers as Cell Culture Platforms Based on Extracellular Matrix Functionalization. <i>ACS Omega</i> , 2017 , 2, 2395-2404	3.9	17

136	Biofunctionalized Hydrogel Microscaffolds Promote 3D Hepatic Sheet Morphology. <i>Macromolecular Bioscience</i> , 2016 , 16, 314-21	5.5	17
135	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	6.3	16
134	Understanding How Membrane Surface Charge Influences Lipid Bicelle Adsorption onto Oxide Surfaces. <i>Langmuir</i> , 2019 , 35, 8436-8444	4	16
133	Peptide-induced formation of a tethered lipid bilayer membrane on mesoporous silica. <i>European Biophysics Journal</i> , 2015 , 44, 27-36	1.9	16
132	Relationship between vesicle size and steric hindrance influences vesicle rupture on solid supports. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3065-72	3.6	16
131	Macromolecular Microencapsulation Using Pine Pollen: Loading Optimization and Controlled Release with Natural Materials. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28428-28439	9.5	16
130	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	2.6	16
129	BIOPHYSICAL APPLICATIONS OF SCANNING ION CONDUCTANCE MICROSCOPY (SICM). <i>Modern Physics Letters B</i> , 2012 , 26, 1130003	1.6	16
128	Natural Products for the Treatment of Chlamydiae Infections. <i>Microorganisms</i> , 2016 , 4,	4.9	16
127	Pulled microcapillary tube resonators with electrical readout for mass sensing applications. <i>Scientific Reports</i> , 2016 , 6, 33799	4.9	16
126	Supported Lipid Bilayer Platform To Test Inhibitors of the Membrane Attack Complex: Insights into Biomacromolecular Assembly and Regulation. <i>Biomacromolecules</i> , 2015 , 16, 3594-602	6.9	15
125	Light-Induced Surface Modification of Natural Plant Microparticles: Toward Colloidal Science and Cellular Adhesion Applications. <i>Advanced Functional Materials</i> , 2018 , 28, 1707568	15.6	15
124	Extraction of cage-like sporopollenin exine capsules from dandelion pollen grains. <i>Scientific Reports</i> , 2018 , 8, 6565	4.9	14
123	Quantitative Comparison of Protein Adsorption and Conformational Changes on Dielectric-Coated Nanoplasmonic Sensing Arrays. <i>Sensors</i> , 2018 , 18,	3.8	14
122	Rupture of zwitterionic lipid vesicles by an amphipathic, helical peptide: indirect effects of sensor surface and implications for experimental analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 121, 340-6	6	14
121	Long-term culture of human liver tissue with advanced hepatic functions. <i>JCI Insight</i> , 2017 , 2,	9.9	14
120	Nanoarchitectonic-Based Material Platforms for Environmental and Bioprocessing Applications. <i>Chemical Record</i> , 2019 , 19, 1891-1912	6.6	14
119	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	6	13

118	Photocurable Albumin Methacryloyl Hydrogels as a Versatile Platform for Tissue Engineering.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 920-934	4.1	13
117	A phenomenological model of the solvent-assisted lipid bilayer formation method. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 24157-63	3.6	13
116	Phenotypic regulation of liver cells in a biofunctionalized three-dimensional hydrogel platform. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 156-66	3.7	13
115	Probing the Interaction of Dielectric Nanoparticles with Supported Lipid Membrane Coatings on Nanoplasmonic Arrays. <i>Sensors</i> , 2017 , 17,	3.8	13
114	Viral infection of human progenitor and liver-derived cells encapsulated in three-dimensional PEG-based hydrogel. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 011001	3.5	13
113	Cloaking Silica Nanoparticles with Functional Protein Coatings for Reduced Complement Activation and Cellular Uptake. <i>ACS Nano</i> , 2020 , 14, 11950-11961	16.7	13
112	Nanoplasmonic Ruler for Measuring Separation Distance between Supported Lipid Bilayers and Oxide Surfaces. <i>Analytical Chemistry</i> , 2018 , 90, 12503-12511	7.8	13
111	Nanoplasmonic Sensing Architectures for Decoding Membrane Curvature-Dependent Biomacromolecular Interactions. <i>Analytical Chemistry</i> , 2018 , 90, 7458-7466	7.8	13
110	Quantitative Evaluation of Peptide-Material Interactions by a Force Mapping Method: Guidelines for Surface Modification. <i>Langmuir</i> , 2015 , 31, 8006-12	4	12
109	Extracellular Matrix Functionalization and Huh-7.5 Cell Coculture Promote the Hepatic Differentiation of Human Adipose-Derived Mesenchymal Stem Cells in a 3D ICC Hydrogel Scaffold. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 2255-2265	5.5	12
108	Supported lipid bilayer repair mediated by AH peptide. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3040-7	3.6	12
107	Hydrodynamic Propulsion of Liposomes Electrostatically Attracted to a Lipid Membrane Reveals Size-Dependent Conformational Changes. <i>ACS Nano</i> , 2016 , 10, 8812-20	16.7	12
106	Response of microbial membranes to butanol: interdigitation vs. disorder. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11903-11915	3.6	11
105	Competing Interactions of Fatty Acids and Monoglycerides Trigger Synergistic Phospholipid Membrane Remodeling. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4951-4957	6.4	11
104	Supported Lipid Bilayer Formation from Phospholipid-Fatty Acid Bicellar Mixtures. <i>Langmuir</i> , 2020 , 36, 5021-5029	4	11
103	Improved Size Determination by Nanoparticle Tracking Analysis: Influence of Recognition Radius. <i>Analytical Chemistry</i> , 2019 , 91, 9508-9515	7.8	10
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