

# Cecilia Leal

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44 papers	1,373 citations	24 h-index	36 g-index
48 ext. papers	1,660 ext. citations	9.4 avg, IF	4.97 L-index

#	Paper	IF	Citations
44	Near-Infrared-Triggered Reversible Transformations of Gold Nanorod-Laden Lipid Assemblies: Implications for Cellular Delivery. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 710-717	5.6	0
43	Impact of dynamic covalent chemistry and precise linker length on crystallization kinetics and morphology in ethylene vitrimers.. <i>Soft Matter</i> , <b>2021</b> ,	3.6	4
42	Polymer-Lipid Hybrid Materials. <i>Chemical Reviews</i> , <b>2021</b> , 121, 13996-14030	68.1	3
41	Open-air synthesis of oligo(ethylene glycol)-functionalized polypeptides from non-purified -carboxyanhydrides. <i>Biomaterials Science</i> , <b>2021</b> , 9, 4120-4126	7.4	
40	Insight into the Electrical Double Layer of Ionic Liquids Revealed through Its Temporal Evolution. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2001313	4.6	9
39	Hybrid Unilamellar Vesicles of Phospholipids and Block Copolymers with Crystalline Domains. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
38	Unimolecular Polypeptide Micelles via Ultrafast Polymerization of -Carboxyanhydrides. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8570-8574	16.4	26
37	Graphene-based sensing of oxygen transport through pulmonary membranes. <i>Nature Communications</i> , <b>2020</b> , 11, 1103	17.4	5
36	Mechanophore-Functionalized Nanoparticles: Interfacial Force-Focusing Effect in Mechanophore-Linked Nanocomposites (Adv. Sci. 7/2020). <i>Advanced Science</i> , <b>2020</b> , 7, 2070037	13.6	78
35	Wirelessly controlled, bioresorbable drug delivery device with active valves that exploit electrochemically triggered crevice corrosion. <i>Science Advances</i> , <b>2020</b> , 6, eabb1093	14.3	35
34	The structural fate of lipid nanoparticles in the extracellular matrix. <i>Materials Horizons</i> , <b>2020</b> , 7, 125-134	14.4	7
33	The stabilization of primitive bicontinuous cubic phases with tunable swelling over a wide composition range. <i>Soft Matter</i> , <b>2019</b> , 15, 1269-1277	3.6	16
32	Light-triggered thermal conductivity switching in azobenzene polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 5973-5978	11.5	56
31	3D Columnar Phase of Stacked Short DNA Organized by Coherent Membrane Undulations. <i>Langmuir</i> , <b>2019</b> , 35, 11891-11901	4	2
30	Lipid-based Liquid Crystalline Films and Solutions for the Delivery of Cargo to Cells. <i>Liquid Crystals Reviews</i> , <b>2019</b> , 7, 167-182	2.8	9
29	Mixing oil and water with ionic liquids: bicontinuous microemulsions under confinement. <i>Soft Matter</i> , <b>2019</b> , 15, 9609-9613	3.6	4
28	Pyrolytic Carbon Nanosheets for Ultrafast and Ultrastable Sodium-Ion Storage. <i>Small</i> , <b>2018</b> , 14, e1703043	41	19

27	Nanostructured Lipid-based Films for Substrate Mediated Applications in Biotechnology. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704356	15.6	31
26	Microfluidics Synthesis of Gene Silencing Cubosomes. <i>ACS Nano</i> , <b>2018</b> , 12, 9196-9205	16.7	40
25	Nanoscale partitioning of paclitaxel in hybrid lipid-polymer membranes. <i>Analyst, The</i> , <b>2018</b> , 143, 3808-3813	13	21
24	Structure of Lung-Mimetic Multilamellar Bodies with Lipid Compositions Relevant in Pneumonia. <i>Langmuir</i> , <b>2018</b> , 34, 7561-7574	4	8
23	Super-swelled lyotropic single crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 10834-10839	11.5	31
22	Three-Dimensional Microphase Separation and Synergistic Permeability in Stacked Lipid-Polymer Hybrid Membranes. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9120-9132	9.6	14
21	Soft Nanostructured Films for Actuated Surface-Based siRNA Delivery. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5610-5620	15.6	22
20	Lipid Films: Soft Nanostructured Films for Actuated Surface-Based siRNA Delivery (Adv. Funct. Mater. 31/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5767-5767	15.6	
19	Effect of the environmental humidity on the bulk, interfacial and nanoconfined properties of an ionic liquid. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 22719-30	3.6	36
18	Citrus-Peel-Derived, Nanoporous Carbon Nanosheets Containing Redox-Active Heteroatoms for Sodium-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3175-81	9.5	68
17	Self-organization of Nucleic Acids in Lipid Constructs. <i>Current Opinion in Colloid and Interface Science</i> , <b>2016</b> , 26, 58-65	7.6	26
16	Thermally Functional Liquid Crystal Networks by Magnetic Field Driven Molecular Orientation. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 955-960	6.6	47
15	Irreversible structural change of a dry ionic liquid under nanoconfinement. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 13613-24	3.6	47
14	Polypeptide vesicles with densely packed multilayer membranes. <i>Soft Matter</i> , <b>2015</b> , 11, 4091-8	3.6	31
13	Cuboplexes: Topologically Active siRNA Delivery. <i>ACS Nano</i> , <b>2015</b> , 9, 10214-26	16.7	83
12	Biological lipid membranes for on-demand, wireless drug delivery from thin, bioresorbable electronic implants. <i>NPG Asia Materials</i> , <b>2015</b> , 7,	10.3	61
11	Role of lipid polymorphism in acoustically sensitive liposomes. <i>Soft Matter</i> , <b>2014</b> , 10, 8846-54	3.6	24
10	Cationic liposome-nucleic acid complexes for gene delivery and gene silencing. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 5164-5172	3.6	76

9	Optimizing cationic and neutral lipids for efficient gene delivery at high serum content. <i>Journal of Gene Medicine</i> , <b>2014</b> , 16, 84-96	3.5	42
8	Liquid crystal assemblies in biologically inspired systems. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1748-1758	2.3	21
7	Stacking of Short DNA Induces the Gyroid Cubic-to-Inverted Hexagonal Phase Transition in Lipid-DNA Complexes. <i>Soft Matter</i> , <b>2013</b> , 9, 795-804	3.6	33
6	Cationic liposome-nucleic acid complexes: liquid crystal phases with applications in gene therapy. <i>Liquid Crystals</i> , <b>2011</b> , 38, 1715-1723	2.3	37
5	Nanogyroids incorporating multivalent lipids: enhanced membrane charge density and pore forming ability for gene silencing. <i>Langmuir</i> , <b>2011</b> , 27, 7691-7	4	47
4	Two-dimensional packing of short DNA with nonpairing overhangs in cationic liposome-DNA complexes: from Onsager nematics to columnar nematics with finite-length columns. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7585-95	16.4	41
3	Highly efficient gene silencing activity of siRNA embedded in a nanostructured gyroid cubic lipid matrix. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 16841-7	16.4	140
2	Dynamic and structural aspects of PEGylated liposomes monitored by NMR. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 325, 485-93	9.3	39
1	Mixing Oil and Water by a DNA-Based Surfactant. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15408-15414	9.4	27