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. *ACS Applied Nano Materials*, **2022**, 5, 710-717	5.6	0
43	Impact of dynamic covalent chemistry and precise linker length on crystallization kinetics and morphology in ethylene vitrimers.. *Soft Matter*, **2021**,	3.6	4
42	Polymer-Lipid Hybrid Materials. *Chemical Reviews*, **2021**, 121, 13996-14030	68.1	3
41	Open-air synthesis of oligo(ethylene glycol)-functionalized polypeptides from non-purified -carboxyanhydrides. *Biomaterials Science*, **2021**, 9, 4120-4126	7.4	
40	Insight into the Electrical Double Layer of Ionic Liquids Revealed through Its Temporal Evolution. *Advanced Materials Interfaces*, **2020**, 7, 2001313	4.6	9
39	Hybrid Unilamellar Vesicles of Phospholipids and Block Copolymers with Crystalline Domains. *Polymers*, **2020**, 12,	4.5	6
38	Unimolecular Polypeptide Micelles via Ultrafast Polymerization of -Carboxyanhydrides. *Journal of the American Chemical Society*, **2020**, 142, 8570-8574	16.4	26
37	Graphene-based sensing of oxygen transport through pulmonary membranes. *Nature Communications*, **2020**, 11, 1103	17.4	5
36	Mechanophore-Functionalized Nanoparticles: Interfacial Force-Focusing Effect in Mechanophore-Linked Nanocomposites (Adv. Sci. 7/2020). *Advanced Science*, **2020**, 7, 2070037	13.6	78
35	Wirelessly controlled, bioresorbable drug delivery device with active valves that exploit electrochemically triggered crevice corrosion. *Science Advances*, **2020**, 6, eabb1093	14.3	35
34	The structural fate of lipid nanoparticles in the extracellular matrix. *Materials Horizons*, **2020**, 7, 125-134	14.4	7
33	The stabilization of primitive bicontinuous cubic phases with tunable swelling over a wide composition range. *Soft Matter*, **2019**, 15, 1269-1277	3.6	16
32	Light-triggered thermal conductivity switching in azobenzene polymers. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 5973-5978	11.5	56
31	3D Columnar Phase of Stacked Short DNA Organized by Coherent Membrane Undulations. *Langmuir*, **2019**, 35, 11891-11901	4	2
30	Lipid-based Liquid Crystalline Films and Solutions for the Delivery of Cargo to Cells. *Liquid Crystals Reviews*, **2019**, 7, 167-182	2.8	9
29	Mixing oil and water with ionic liquids: bicontinuous microemulsions under confinement. *Soft Matter*, **2019**, 15, 9609-9613	3.6	4
28	Pyrolytic Carbon Nanosheets for Ultrafast and Ultrastable Sodium-Ion Storage. *Small*, **2018**, 14, e1703043	13.1	19

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

9	Optimizing cationic and neutral lipids for efficient gene delivery at high serum content. *Journal of Gene Medicine*, **2014**, 16, 84-96	3.5	42
8	Liquid crystal assemblies in biologically inspired systems. *Liquid Crystals*, **2013**, 40, 1748-1758	2.3	21
7	Stacking of Short DNA Induces the Gyroid Cubic-to-Inverted Hexagonal Phase Transition in Lipid-DNA Complexes. *Soft Matter*, **2013**, 9, 795-804	3.6	33
6	Cationic liposome-nucleic acid complexes: liquid crystal phases with applications in gene therapy. *Liquid Crystals*, **2011**, 38, 1715-1723	2.3	37
5	Nanogyroids incorporating multivalent lipids: enhanced membrane charge density and pore forming ability for gene silencing. *Langmuir*, **2011**, 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. *Journal of the American Chemical Society*, **2011**, 133, 7585-95	16.4	41
3	Highly efficient gene silencing activity of siRNA embedded in a nanostructured gyroid cubic lipid matrix. *Journal of the American Chemical Society*, **2010**, 132, 16841-7	16.4	140
2	Dynamic and structural aspects of PEGylated liposomes monitored by NMR. *Journal of Colloid and Interface Science*, **2008**, 325, 485-93	9.3	39
1	Mixing Oil and Water by a DNA-Based Surfactant. *Journal of Physical Chemistry B*, **2004**, 108, 15408-15414	3.4	27