

# Loretta L L Del Mercato

## 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.

50  
papers

1,541  
citations

18  
h-index

39  
g-index

56  
ext. papers

1,740  
ext. citations

7.3  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
50	Co-loading of doxorubicin and iron oxide nanocubes in polycaprolactone fibers for combining Magneto-Thermal and chemotherapeutic effects on cancer cells. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 607, 34-44	9.3	3
49	Fully Automated Computational Approach for Precisely Measuring Organelle Acidification with Optical pH Sensors.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	1
48	A pH-sensor scaffold for mapping spatiotemporal gradients in three-dimensional in vitro tumour models. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 212, 114401	11.8	0
47	Optical and magnetic resonance imaging approaches for investigating the tumour microenvironment: state-of-the-art review and future trends. <i>Nanotechnology</i> , <b>2021</b> , 32, 062001	3.4	8
46	Highly Sensitive Fluorescent pH Microsensors Based on the Ratiometric Dye Pyranine Immobilized on Silica Microparticles. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13318-13324	4.8	3
45	The Revolutionary Roads to Study Cell-Cell Interactions in 3D In Vitro Pancreatic Cancer Models. <i>Cancers</i> , <b>2021</b> , 13,	6.6	8
44	Highly Sensitive Fluorescent pH Microsensors Based on the Ratiometric Dye Pyranine Immobilized on Silica Microparticles. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13279	4.8	1
43	Electrospun polyvinyl-alcohol/gum arabic nanofibers: Biomimetic platform for in vitro cell growth and cancer nanomedicine delivery. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 188, 764-773	7.9	6
42	Fluorescent nanoparticles for sensing. <i>Frontiers of Nanoscience</i> , <b>2020</b> , 16, 117-149	0.7	5
41	Probing the pH Microenvironment of Mesenchymal Stromal Cell Cultures on Additive-Manufactured Scaffolds. <i>Small</i> , <b>2020</b> , 16, e2002258	11	7
40	Mixing enhancement induced by viscoelastic micromotors in microfluidic platforms. <i>Chemical Engineering Journal</i> , <b>2020</b> , 391, 123572	14.7	11
39	A synergic approach to enhance long-term culture and manipulation of MiaPaCa-2 pancreatic cancer spheroids. <i>Scientific Reports</i> , <b>2020</b> , 10, 10192	4.9	12
38	Beyond gold nanoparticles cytotoxicity: Potential to impair metastasis hallmarks. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2020</b> , 157, 221-232	5.7	3
37	pH Monitoring: Probing the pH Microenvironment of Mesenchymal Stromal Cell Cultures on Additive-Manufactured Scaffolds (Small 34/2020). <i>Small</i> , <b>2020</b> , 16, 2070187	11	
36	Electrospun nanofibers in cancer research: from engineering of in vitro 3D cancer models to therapy. <i>Biomaterials Science</i> , <b>2020</b> , 8, 4887-4905	7.4	25
35	Towards the development of human immune-system-on-a-chip platforms. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 517-525	8.8	54
34	Emerging Technologies for Cancer Research: Towards Personalized Medicine with Microfluidic Platforms and 3D Tumor Models. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4616-4637	4.3	16

33	Highly Sensitive Membrane-Based Pressure Sensors (MePS) for Real-Time Monitoring of Catalytic Reactions. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7659-7665	7.8	7
32	Anticancer effects of novel resveratrol analogues on human ovarian cancer cells. <i>Molecular BioSystems</i> , <b>2017</b> , 13, 1131-1141		16
31	Self-powered catalytic microfluidic platforms for fluid delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 532, 257-262	5.1	3
30	Multilayered Magnetic Nanobeads for the Delivery of Peptides Molecules Triggered by Intracellular Proteases. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 35095-35104	9.5	6
29	Design and characterization of microcapsules-integrated collagen matrixes as multifunctional three-dimensional scaffolds for soft tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2016</b> , 62, 209-221	4.1	12
28	Biocompatible multilayer capsules engineered with a graphene oxide derivative: synthesis, characterization and cellular uptake. <i>Nanoscale</i> , <b>2016</b> , 8, 7501-12	7.7	32
27	Cytoskeletal Alterations and Biomechanical Properties of parkin-Mutant Human Primary Fibroblasts. <i>Cell Biochemistry and Biophysics</i> , <b>2015</b> , 71, 1395-404	3.2	16
26	Ratiometric Organic Fibers for Localized and Reversible Ion Sensing with Micrometer-Scale Spatial Resolution. <i>Small</i> , <b>2015</b> , 11, 6417-24	11	17
25	Nanofibers: Ratiometric Organic Fibers for Localized and Reversible Ion Sensing with Micrometer-Scale Spatial Resolution (Small 48/2015). <i>Small</i> , <b>2015</b> , 11, 6416	11	
24	Advances in Use of Capsule-Based Fluorescent Sensors for Measuring Acidification of Endocytic Compartments in Cells with Altered Expression of V-ATPase Subunit V1G1. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15052-60	9.5	18
23	Biological applications of LbL multilayer capsules: from drug delivery to sensing. <i>Advances in Colloid and Interface Science</i> , <b>2014</b> , 207, 139-54	14.3	106
22	Catalytic oxygen production mediated by smart capsules to modulate elastic turbulence under a laminar flow regime. <i>Lab on A Chip</i> , <b>2014</b> , 14, 4391-7	7.2	12
21	Catalytic self-propulsion of supramolecular capsules powered by polyoxometalate cargos. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 10910-4	4.8	28
20	Magnetic Capsules for NMR Imaging: Effect of Magnetic Nanoparticles Spatial Distribution and Aggregation. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6257-6264	3.8	72
19	Synthesis and evaluation of gold nanoparticle-modified polyelectrolyte capsules under microwave irradiation for remotely controlled release for cargo. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 11468		35
18	Multiplexed sensing of ions with barcoded polyelectrolyte capsules. <i>ACS Nano</i> , <b>2011</b> , 5, 9668-74	16.7	87
17	Synthesis and characterization of ratiometric ion-sensitive polyelectrolyte capsules. <i>Small</i> , <b>2011</b> , 7, 351-63		61
16	De novo design of supercharged, unfolded protein polymers, and their assembly into supramolecular aggregates. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 186-90	4.8	38

15	LbL multilayer capsules: recent progress and future outlook for their use in life sciences. <i>Nanoscale</i> , <b>2010</b> , 2, 458-67	7.7	196
14	Nanopharmacy: Inorganic nanoscale devices as vectors and active compounds. <i>Pharmacological Research</i> , <b>2010</b> , 62, 115-25	10.2	148
13	Exploring local flexibility/rigidity in psychrophilic and mesophilic carbonic anhydrases. <i>Biophysical Journal</i> , <b>2009</b> , 96, 1586-96	2.9	48
12	One example on how colloidal nano- and microparticles could contribute to medicine. <i>Nanomedicine</i> , <b>2009</b> , 4, 967-79	5.6	34
11	Relaxation times of colloidal iron platinum in polymer matrixes. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6381		17
10	Amyloid-like fibrils in elastin-related polypeptides: structural characterization and elastic properties. <i>Biomacromolecules</i> , <b>2008</b> , 9, 796-803	6.9	63
9	Correction for del Mercato et al., Charge transport and intrinsic fluorescence in amyloid-like fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6208-6208	11.5	1
8	Nanoparticle-modified polyelectrolyte capsules. <i>Nano Today</i> , <b>2008</b> , 3, 12-21	17.9	87
7	Interconnection of specific nano-objects by electron beam lithography [A controllable method. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 299-302	8.3	0
6	Fluorescence enhancement in colloidal semiconductor nanocrystals by metallic nanopatterns. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 126, 187-192	8.5	30
5	Charge transport and intrinsic fluorescence in amyloid-like fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 18019-24	11.5	155
4	Interconnecting single nano-objects on surfaces for transport experiments. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2006</b> , 24, 2765		1
3	Charge transport in disordered films of non-redox proteins. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 21103	3.9	6
2	Fluorescence resonance energy transfer induced by conjugation of metalloproteins to nanoparticles. <i>Chemical Physics Letters</i> , <b>2006</b> , 417, 351-357	2.5	18
1	Ageing of solid-state protein films: Behavior of azurin at ambient conditions. <i>Chemical Physics Letters</i> , <b>2005</b> , 404, 59-62	2.5	8