

Loretta L L Del Mercato

List of Publications by Citations

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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	LbL multilayer capsules: recent progress and future outlook for their use in life sciences. <i>Nanoscale</i> , 2010 , 2, 458-67	7.7	196
49	Charge transport and intrinsic fluorescence in amyloid-like fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 18019-24	11.5	155
48	Nanopharmacy: Inorganic nanoscale devices as vectors and active compounds. <i>Pharmacological Research</i> , 2010 , 62, 115-25	10.2	148
47	Biological applications of LbL multilayer capsules: from drug delivery to sensing. <i>Advances in Colloid and Interface Science</i> , 2014 , 207, 139-54	14.3	106
46	Multiplexed sensing of ions with barcoded polyelectrolyte capsules. <i>ACS Nano</i> , 2011 , 5, 9668-74	16.7	87
45	Nanoparticle-modified polyelectrolyte capsules. <i>Nano Today</i> , 2008 , 3, 12-21	17.9	87
44	Magnetic Capsules for NMR Imaging: Effect of Magnetic Nanoparticles Spatial Distribution and Aggregation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6257-6264	3.8	72
43	Amyloid-like fibrils in elastin-related polypeptides: structural characterization and elastic properties. <i>Biomacromolecules</i> , 2008 , 9, 796-803	6.9	63
42	Synthesis and characterization of ratiometric ion-sensitive polyelectrolyte capsules. <i>Small</i> , 2011 , 7, 351-63	6.3	61
41	Towards the development of human immune-system-on-a-chip platforms. <i>Drug Discovery Today</i> , 2019 , 24, 517-525	8.8	54
40	Exploring local flexibility/rigidity in psychrophilic and mesophilic carbonic anhydrases. <i>Biophysical Journal</i> , 2009 , 96, 1586-96	2.9	48
39	De novo design of supercharged, unfolded protein polymers, and their assembly into supramolecular aggregates. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 186-90	4.8	38
38	Synthesis and evaluation of gold nanoparticle-modified polyelectrolyte capsules under microwave irradiation for remotely controlled release for cargo. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11468		35
37	One example on how colloidal nano- and microparticles could contribute to medicine. <i>Nanomedicine</i> , 2009 , 4, 967-79	5.6	34
36	Biocompatible multilayer capsules engineered with a graphene oxide derivative: synthesis, characterization and cellular uptake. <i>Nanoscale</i> , 2016 , 8, 7501-12	7.7	32
35	Fluorescence enhancement in colloidal semiconductor nanocrystals by metallic nanopatterns. <i>Sensors and Actuators B: Chemical</i> , 2007 , 126, 187-192	8.5	30
34	Catalytic self-propulsion of supramolecular capsules powered by polyoxometalate cargos. <i>Chemistry - A European Journal</i> , 2014 , 20, 10910-4	4.8	28

33	Electrospun nanofibers in cancer research: from engineering of in vitro 3D cancer models to therapy. <i>Biomaterials Science</i> , 2020 , 8, 4887-4905	7.4	25
32	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 & Interfaces</i> , 2015 , 7, 15052-60	9.5	18
31	Fluorescence resonance energy transfer induced by conjugation of metalloproteins to nanoparticles. <i>Chemical Physics Letters</i> , 2006 , 417, 351-357	2.5	18
30	Ratiometric Organic Fibers for Localized and Reversible Ion Sensing with Micrometer-Scale Spatial Resolution. <i>Small</i> , 2015 , 11, 6417-24	11	17
29	Relaxation times of colloidal iron platinum in polymer matrixes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6381		17
28	Anticancer effects of novel resveratrol analogues on human ovarian cancer cells. <i>Molecular BioSystems</i> , 2017 , 13, 1131-1141		16
27	Cytoskeletal Alterations and Biomechanical Properties of parkin-Mutant Human Primary Fibroblasts. <i>Cell Biochemistry and Biophysics</i> , 2015 , 71, 1395-404	3.2	16
26	Emerging Technologies for Cancer Research: Towards Personalized Medicine with Microfluidic Platforms and 3D Tumor Models. <i>Current Medicinal Chemistry</i> , 2018 , 25, 4616-4637	4.3	16
25	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> , 2016 , 62, 209-221	4.1	12
24	Catalytic oxygen production mediated by smart capsules to modulate elastic turbulence under a laminar flow regime. <i>Lab on A Chip</i> , 2014 , 14, 4391-7	7.2	12
23	A synergic approach to enhance long-term culture and manipulation of MiaPaCa-2 pancreatic cancer spheroids. <i>Scientific Reports</i> , 2020 , 10, 10192	4.9	12
22	Mixing enhancement induced by viscoelastic micromotors in microfluidic platforms. <i>Chemical Engineering Journal</i> , 2020 , 391, 123572	14.7	11
21	Ageing of solid-state protein films: Behavior of azurin at ambient conditions. <i>Chemical Physics Letters</i> , 2005 , 404, 59-62	2.5	8
20	Optical and magnetic resonance imaging approaches for investigating the tumour microenvironment: state-of-the-art review and future trends. <i>Nanotechnology</i> , 2021 , 32, 062001	3.4	8
19	The Revolutionary Roads to Study Cell-Cell Interactions in 3D In Vitro Pancreatic Cancer Models. <i>Cancers</i> , 2021 , 13,	6.6	8
18	Probing the pH Microenvironment of Mesenchymal Stromal Cell Cultures on Additive-Manufactured Scaffolds. <i>Small</i> , 2020 , 16, e2002258	11	7
17	Highly Sensitive Membrane-Based Pressure Sensors (MePS) for Real-Time Monitoring of Catalytic Reactions. <i>Analytical Chemistry</i> , 2018 , 90, 7659-7665	7.8	7
16	Multilayered Magnetic Nanobeads for the Delivery of Peptides Molecules Triggered by Intracellular Proteases. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35095-35104	9.5	6

15	Charge transport in disordered films of non-redox proteins. <i>Journal of Chemical Physics</i> , 2006 , 125, 21103.9	6
14	Electrospun polyvinyl-alcohol/gum arabic nanofibers: Biomimetic platform for in vitro cell growth and cancer nanomedicine delivery. <i>International Journal of Biological Macromolecules</i> , 2021 , 188, 764-773.9	6
13	Fluorescent nanoparticles for sensing. <i>Frontiers of Nanoscience</i> , 2020 , 16, 117-149	0.7 5
12	Self-powered catalytic microfluidic platforms for fluid delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 532, 257-262	5.1 3
11	Beyond gold nanoparticles cytotoxicity: Potential to impair metastasis hallmarks. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 157, 221-232	5.7 3
10	Highly Sensitive Fluorescent pH Microsensors Based on the Ratiometric Dye Pyranine Immobilized on Silica Microparticles. <i>Chemistry - A European Journal</i> , 2021 , 27, 13318-13324	4.8 3
9	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> , 2022 , 607, 34-44	9.3 3
8	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> , 2008 , 105, 6208-6208	11.5 1
7	Interconnecting single nano-objects on surfaces for transport experiments. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 2765	1
6	Highly Sensitive Fluorescent pH Microsensors Based on the Ratiometric Dye Pyranine Immobilized on Silica Microparticles. <i>Chemistry - A European Journal</i> , 2021 , 27, 13279	4.8 1
5	Fully Automated Computational Approach for Precisely Measuring Organelle Acidification with Optical pH Sensors.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5 1
4	Interconnection of specific nano-objects by electron beam lithography [A controllable method. <i>Materials Science and Engineering C</i> , 2008 , 28, 299-302	8.3 0
3	A pH-sensor scaffold for mapping spatiotemporal gradients in three-dimensional in vitro tumour models. <i>Biosensors and Bioelectronics</i> , 2022 , 212, 114401	11.8 0
2	Nanofibers: Ratiometric Organic Fibers for Localized and Reversible Ion Sensing with Micrometer-Scale Spatial Resolution (Small 48/2015). <i>Small</i> , 2015 , 11, 6416	11
1	pH Monitoring: Probing the pH Microenvironment of Mesenchymal Stromal Cell Cultures on Additive-Manufactured Scaffolds (Small 34/2020). <i>Small</i> , 2020 , 16, 2070187	11