

# Laura Chronopoulou

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,218  
citations

304743

22  
h-index

377865

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan-coated PLGA nanoparticles: A sustained drug release strategy for cell cultures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 310-317.	5.0	117
2	Endocytic pathways involved in PLGA nanoparticle uptake by grapevine cells and role of cell wall and membrane in size selection. <i>Plant Cell Reports</i> , 2017, 36, 1917-1928.	5.6	84
3	Osmosis Based Method Drives the Self-Assembly of Polymeric Chains into Micro- and Nanostructures. <i>Langmuir</i> , 2009, 25, 11940-11946.	3.5	72
4	Lipase-supported synthesis of peptidic hydrogels. <i>Soft Matter</i> , 2010, 6, 2525.	2.7	62
5	Lipolytic Enzymes with Improved Activity and Selectivity upon Adsorption on Polymeric Nanoparticles. <i>Biomacromolecules</i> , 2007, 8, 3047-3053.	5.4	57
6	Structure-activity relationships of <i>Candida rugosa</i> lipase immobilized on polylactic acid nanoparticles. <i>Soft Matter</i> , 2011, 7, 2653.	2.7	56
7	<i>Candida rugosa</i> lipase immobilization on hydrophilic charged gold nanoparticles as promising biocatalysts: Activity and stability investigations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 131, 93-101.	5.0	53
8	Chitosan-DNA complexes: Charge inversion and DNA condensation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 1-10.	5.0	47
9	Microfluidic-assisted nanoprecipitation of antiviral-loaded polymeric nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 369-376.	4.7	42
10	Functional polymeric nanoparticles for dexamethasone loading and release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 93, 59-66.	5.0	41
11	Poly(lactic-co-glycolic) acid nanoparticles uptake by <i>Vitis vinifera</i> and grapevine-pathogenic fungi. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	41
12	Controlled release of 18- $\beta$ -glycyrrhetic acid by nanodelivery systems increases cytotoxicity on oral carcinoma cell line. <i>Nanotechnology</i> , 2018, 29, 285101.	2.6	40
13	Designing unconventional Fmoc-peptide-based biomaterials: structure and related properties. <i>Soft Matter</i> , 2014, 10, 1944.	2.7	37
14	Lipase-catalyzed regioselective acylation of tritylglycosides in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2008, 45, 88-93.	3.2	33
15	Self-assembling peptide hydrogels promote microglial cells proliferation and NGF production. <i>Soft Matter</i> , 2012, 8, 5784.	2.7	32
16	A modular microfluidic platform for the synthesis of biopolymeric nanoparticles entrapping organic actives. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	32
17	Chitosan-DNA complexes: Effect of molecular parameters on the efficiency of delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 184-190.	4.7	32
18	Chitosan based nanoparticles functionalized with peptidomimetic derivatives for oral drug delivery. <i>New Biotechnology</i> , 2016, 33, 23-31.	4.4	29

#	ARTICLE	IF	CITATIONS
19	Olive Mill Wastes: A Source of Bioactive Molecules for Plant Growth and Protection against Pathogens. <i>Biology</i> , 2020, 9, 450.	2.8	29
20	Extraction of Carotenoids and Fat-Soluble Vitamins from <i>Tetrademus Obliquus</i> Microalgae: An Optimized Approach by Using Supercritical CO <sub>2</sub> . <i>Molecules</i> , 2019, 24, 2581.	3.8	27
21	Anti-Candida Biofilm Activity of Pterostilbene or Crude Extract from Non-Fermented Grape Pomace Entrapped in Biopolymeric Nanoparticles. <i>Molecules</i> , 2019, 24, 2070.	3.8	26
22	Biosynthesis and Characterization of Cross-Linked Fmoc Peptide-Based Hydrogels for Drug Delivery Applications. <i>Gels</i> , 2015, 1, 179-193.	4.5	22
23	Improved stability and efficacy of chitosan/pDNA complexes for gene delivery. <i>Biotechnology Letters</i> , 2015, 37, 557-565.	2.2	21
24	Biofabrication of genipin-crosslinked peptide hydrogels and their use in the controlled delivery of naproxen. <i>New Biotechnology</i> , 2017, 37, 138-143.	4.4	21
25	Microfluidic synthesis of methyl jasmonate-loaded PLGA nanocarriers as a new strategy to improve natural defenses in <i>Vitis vinifera</i> . <i>Scientific Reports</i> , 2019, 9, 18322.	3.3	21
26	Biosynthesis of innovative calcium phosphate/hydrogel composites: physicochemical and biological characterisation. <i>Nanotechnology</i> , 2021, 32, 095102.	2.6	18
27	A physico-chemical approach to the study of genipin crosslinking of biofabricated peptide hydrogels. <i>Process Biochemistry</i> , 2018, 70, 110-116.	3.7	15
28	A novel approach to control <i>Botrytis cinerea</i> fungal infections: uptake and biological activity of antifungals encapsulated in nanoparticle based vectors. <i>Scientific Reports</i> , 2022, 12, 7989.	3.3	15
29	Dexamethasone-loaded biopolymeric nanoparticles promote gingival fibroblasts differentiation. <i>Biotechnology Progress</i> , 2015, 31, 1381-1387.	2.6	14
30	Evaluation of novel Fmoc-tripeptide based hydrogels as immobilization supports for electrochemical biosensors. <i>Microchemical Journal</i> , 2018, 137, 105-110.	4.5	14
31	Biosynthesis and characterization of a novel Fmoc-tetrapeptide-based hydrogel for biotechnological applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 535-540.	4.7	11
32	PLGA based particles as "drug reservoir" for antitumor drug delivery: characterization and cytotoxicity studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 495-502.	5.0	10
33	Adsorption of <i>Candida rugosa</i> lipase at water-polymer interface: The case of poly(DL)lactide. <i>Surface Science</i> , 2011, 605, 2017-2024.	1.9	9
34	Positively charged biopolymeric nanoparticles for the inhibition of <i>Pseudomonas aeruginosa</i> biofilms. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	8
35	Noble metal nanoparticle-based networks as a new platform for lipase immobilization. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 790-797.	7.5	8
36	Supercritical CO <sub>2</sub> extraction of oleanolic acid from grape pomace. <i>International Journal of Food Science and Technology</i> , 2013, 48, 1854-1860.	2.7	7

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37	Biosynthesis and physico-chemical characterization of high performing peptide hydrogels@graphene oxide composites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 111989.	5.0	6
38	Controlled Release of 18- <sup>125</sup> I-Glycyrrhetic Acid from Core-Shell Nanoparticles: Effects on Cytotoxicity and Intracellular Concentration in HepG2 Cell Line. <i>Materials</i> , 2021, 14, 3893.	2.9	5
39	Hybrid Systems Biomolecule-Polymeric Nanoparticle: Synthesis, Properties and Biotechnological Applications. , 2010, , 219-259.		2
40	Polymeric Nanoparticles Decorated with Monoclonal Antibodies: A New Immobilization Strategy for Increasing Lipase Activity. <i>Catalysts</i> , 2021, 11, 744.	3.5	2