

# Diana Costa

## List of Publications by Year in descending order

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51  
papers

985  
citations

394421

19  
h-index

477307

29  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1053  
citing authors

#	ARTICLE	IF	CITATIONS
1	Future perspectives of biological macromolecules in biomedicine. , 2022, , 607-632.		0
2	The Influence of Circadian Rhythm on Cancer Cells Targeting and Transfection Efficiency of a Polycation-Drug/Gene Delivery Vector. Polymers, 2022, 14, 681.	4.5	3
3	Peptides vs. Polymers: Searching for the Most Efficient Delivery System for Mitochondrial Gene Therapy. Pharmaceutics, 2022, 14, 757.	4.5	6
4	Maximization of the Minicircle DNA Vaccine Production Expressing SARS-CoV-2 RBD. Biomedicines, 2022, 10, 990.	3.2	2
5	Circadian rhythm and disease: Relationship, new insights, and future perspectives. Journal of Cellular Physiology, 2022, 237, 3239-3256.	4.1	26
6	Recent advances in peptide-targeted micelleplexes: Current developments and future perspectives. International Journal of Pharmaceutics, 2021, 597, 120362.	5.2	4
7	Synthesis and Characterization of Mannosylated Formulations to Deliver a Minicircle DNA Vaccine. Pharmaceutics, 2021, 13, 673.	4.5	9
8	Methods to improve the immunogenicity of plasmid DNA vaccines. Drug Discovery Today, 2021, 26, 2575-2592.	6.4	42
9	Development of Peptide-Based Nanoparticles for Mitochondrial Plasmid DNA Delivery. Polymers, 2021, 13, 1836.	4.5	11
10	Exploring the link between chronobiology and drug delivery: effects on cancer therapy. Journal of Molecular Medicine, 2021, 99, 1349-1371.	3.9	11
11	Development of Tailor-Made Dendrimer Ternary Complexes for Drug/Gene Co-Delivery in Cancer. Pharmaceutics, 2021, 13, 1256.	4.5	5
12	Design of Experiments to Achieve an Efficient Chitosan-Based DNA Vaccine Delivery System. Pharmaceutics, 2021, 13, 1369.	4.5	13
13	A new insight in gellan microspheres application to capture a plasmid DNA vaccine from an Escherichia coli lysate. Separation and Purification Technology, 2021, 274, 119013.	7.9	3
14	Cyclodextrin-based delivery systems for in vivo-tested anticancer therapies. Drug Delivery and Translational Research, 2021, 11, 49-71.	5.8	46
15	Conception of Plasmid DNA and Polyethylenimine Delivery Systems with Potential Application in Field. Methods in Molecular Biology, 2021, 2197, 271-284.	0.9	1
16	Cancer gene therapy mediated by RALA/plasmid DNA vectors: Nitrogen to phosphate groups ratio (N/P) as a tool for tunable transfection efficiency and apoptosis. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110610.	5.0	26
17	Physicochemical characterization and targeting performance of triphenylphosphonium nano-polyplexes. Journal of Molecular Liquids, 2020, 316, 113873.	4.9	12
18	Enhancement of a biotechnological platform for the purification and delivery of a human papillomavirus supercoiled plasmid DNA vaccine. New Biotechnology, 2020, 59, 1-9.	4.4	5

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19	Design of experiments to select triphenylphosphonium-polyplexes with suitable physicochemical properties for mitochondrial gene therapy. <i>Journal of Molecular Liquids</i> , 2020, 302, 112488.	4.9	11
20	Topical Minoxidil-Loaded Nanotechnology Strategies for Alopecia. <i>Cosmetics</i> , 2020, 7, 21.	3.3	38
21	Polymer-peptide ternary systems as a tool to improve the properties of plasmid DNA vectors in gene delivery. <i>Journal of Molecular Liquids</i> , 2020, 309, 113157.	4.9	9
22	Methotrexate-plasmid DNA polyplexes for cancer therapy: Characterization, cancer cell targeting ability and tuned in vitro transfection. <i>Journal of Molecular Liquids</i> , 2019, 292, 111391.	4.9	19
23	Nanotechnological breakthroughs in the development of topical phytochemicals-based formulations. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118787.	5.2	41
24	Optimization of peptide-plasmid DNA vectors formulation for gene delivery in cancer therapy exploring design of experiments. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110417.	5.0	25
25	A co-delivery platform based on plasmid DNA peptide-surfactant complexes: formation, characterization and release behavior. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 430-438.	5.0	19
26	DNA-Based Hydrogels: An Approach for Multifunctional Bioapplications. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 339-356.	0.3	1
27	Finding the ideal polyethylenimine-plasmid DNA system for co-delivery of payloads in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 627-636.	5.0	25
28	Mitochondrial Gene Therapy: Advances in Mitochondrial Gene Cloning, Plasmid Production, and Nanosystems Targeted to Mitochondria. <i>Molecular Pharmaceutics</i> , 2017, 14, 626-638.	4.6	28
29	Targeting of Cellular Organelles by Fluorescent Plasmid DNA Nanoparticles. <i>Biomacromolecules</i> , 2017, 18, 2928-2936.	5.4	7
30	Polyethylenimine coated plasmid DNA-surfactant complexes as potential gene delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 156-163.	5.0	25
31	Stimuli-responsive polyamine-DNA blend nanogels for co-delivery in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 194-201.	5.0	21
32	Development of mitochondrial targeting plasmid DNA nanoparticles: Characterization and in vitro studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 480, 287-295.	4.7	7
33	Plasmid DNA nanogels as photoresponsive materials for multifunctional bio-applications. <i>Journal of Biotechnology</i> , 2015, 202, 98-104.	3.8	16
34	Plasmid DNA microgels for drug/gene co-delivery: A promising approach for cancer therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 442, 181-190.	4.7	19
35	Plasmid DNA hydrogels for biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2014, 205, 257-264.	14.7	15
36	Rhodamine based plasmid DNA nanoparticles for mitochondrial gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 129-140.	5.0	28

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37	Does cation dehydration drive the binding of metal ions to polyelectrolytes in water? What we can learn from the behaviour of aluminium(iii) and chromium(iii). <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7950.	2.8	19
38	Plasmid DNA Microgels for a Therapeutical Strategy Combining the Delivery of Genes and Anticancer Drugs. <i>Macromolecular Bioscience</i> , 2012, 12, 1243-1252.	4.1	18
39	Swelling behavior of a new biocompatible plasmid DNA hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 106-112.	5.0	29
40	Gel Network Photodisruption: A New Strategy for the Codelivery of Plasmid DNA and Drugs. <i>Langmuir</i> , 2011, 27, 13780-13789.	3.5	41
41	Light triggered release of solutes from covalent DNA gels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 391, 80-87.	4.7	13
42	Swelling properties of cross-linked DNA gels. <i>Advances in Colloid and Interface Science</i> , 2010, 158, 21-31.	14.7	25
43	Cross-linked DNA gels: Disruption and release properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 28-33.	4.7	16
44	Modeling the Surfactant Uptake in Cross-Linked DNA Gels. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 954-960.	2.4	0
45	Using lanthanides as probes for polyelectrolyte-metal ion interactions. Hydration changes on binding of trivalent cations to nucleotides and nucleic acids. <i>Chemical Physics</i> , 2008, 352, 241-248.	1.9	11
46	Effect of Additives on Swelling of Covalent DNA Gels. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8444-8452.	2.6	44
47	Responsive Polymer Gels: Double-Stranded versus Single-Stranded DNA. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10886-10896.	2.6	47
48	Interaction between Covalent DNA Gels and a Cationic Surfactant. <i>Biomacromolecules</i> , 2006, 7, 1090-1095.	5.4	57
49	Some novel aspects of DNA physical and chemical gels. <i>Arkivoc</i> , 2006, 2006, 161-172.	0.5	17
50	Changes in Hydration of Lanthanide Ions on Binding to DNA in Aqueous Solution. <i>Langmuir</i> , 2005, 21, 10492-10496.	3.5	68
51	Cross-Linked DNA Gels and Gel Particles. , 0, , 353-365.		0