Diana Costa

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4813047/publications.pdf

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51	985	394421	477307
papers	citations	19 h-index	29 g-index

53	53	53	1053
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Changes in Hydration of Lanthanide Ions on Binding to DNA in Aqueous Solution. Langmuir, 2005, 21, 10492-10496.	3.5	68
2	Interaction between Covalent DNA Gels and a Cationic Surfactant. Biomacromolecules, 2006, 7, 1090-1095.	5.4	57
3	Responsive Polymer Gels:â€‰ Double-Stranded versus Single-Stranded DNA. Journal of Physical Chemistry B, 2007, 111, 10886-10896.	2.6	47
4	Cyclodextrin-based delivery systems for in vivo-tested anticancer therapies. Drug Delivery and Translational Research, 2021, 11, 49-71.	5.8	46
5	Effect of Additives on Swelling of Covalent DNA Gelsâ€. Journal of Physical Chemistry B, 2007, 111, 8444-8452.	2.6	44
6	Methods to improve the immunogenicity of plasmid DNA vaccines. Drug Discovery Today, 2021, 26, 2575-2592.	6.4	42
7	Gel Network Photodisruption: A New Strategy for the Codelivery of Plasmid DNA and Drugs. Langmuir, 2011, 27, 13780-13789.	3.5	41
8	Nanotechnological breakthroughs in the development of topical phytocompounds-based formulations. International Journal of Pharmaceutics, 2019, 572, 118787.	5.2	41
9	Topical Minoxidil-Loaded Nanotechnology Strategies for Alopecia. Cosmetics, 2020, 7, 21.	3.3	38
10	Swelling behavior of a new biocompatible plasmid DNA hydrogel. Colloids and Surfaces B: Biointerfaces, 2012, 92, 106-112.	5.0	29
11	Rhodamine based plasmid DNA nanoparticles for mitochondrial gene therapy. Colloids and Surfaces B: Biointerfaces, 2014, 121, 129-140.	5.0	28
12	Mitochondrial Gene Therapy: Advances in Mitochondrial Gene Cloning, Plasmid Production, and Nanosystems Targeted to Mitochondria. Molecular Pharmaceutics, 2017, 14, 626-638.	4.6	28
13	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
14	Circadian rhythm and disease: Relationship, new insights, and future perspectives. Journal of Cellular Physiology, 2022, 237, 3239-3256.	4.1	26
15	Swelling properties of cross-linked DNA gels. Advances in Colloid and Interface Science, 2010, 158, 21-31.	14.7	25
16	Polyethylenimine coated plasmid DNAâ€“surfactant complexes as potential gene delivery systems. Colloids and Surfaces B: Biointerfaces, 2015, 133, 156-163.	5.0	25
17	Finding the ideal polyethylenimine-plasmid DNA system for co-delivery of payloads in cancer therapy. Colloids and Surfaces B: Biointerfaces, 2018, 170, 627-636.	5.0	25
18	Optimization of peptide-plasmid DNA vectors formulation for gene delivery in cancer therapy exploring design of experiments. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110417.	5.0	25

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19	Stimuli-responsive polyamine-DNA blend nanogels for co-delivery in cancer therapy. Colloids and Surfaces B: Biointerfaces, 2015, 132, 194-201.	5.0	21
20	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). Physical Chemistry Chemical Physics, 2012, 14, 7950.	2.8	19
21	Plasmid DNA microgels for drug/gene co-delivery: A promising approach for cancer therapy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 442, 181-190.	4.7	19
22	Methotrexate-plasmid DNA polyplexes for cancer therapy: Characterization, cancer cell targeting ability and tuned in vitro transfection. Journal of Molecular Liquids, 2019, 292, 111391.	4.9	19
23	A co-delivery platform based on plasmid DNA peptide-surfactant complexes: formation, characterization and release behavior. Colloids and Surfaces B: Biointerfaces, 2019, 178, 430-438.	5.0	19
24	Plasmid DNA Microgels for a Therapeutical Strategy Combining the Delivery of Genes and Anticancer Drugs. Macromolecular Bioscience, 2012, 12, 1243-1252.	4.1	18
25	Some novel aspects of DNA physical and chemical gels. Arkivoc, 2006, 2006, 161-172.	0.5	17
26	Cross-linked DNA gels: Disruption and release properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 28-33.	4.7	16
27	Plasmid DNA nanogels as photoresponsive materials for multifunctional bio-applications. Journal of Biotechnology, 2015, 202, 98-104.	3.8	16
28	Plasmid DNA hydrogels for biomedical applications. Advances in Colloid and Interface Science, 2014, 205, 257-264.	14.7	15
29	Light triggered release of solutes from covalent DNA gels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 391, 80-87.	4.7	13
30	Design of Experiments to Achieve an Efficient Chitosan-Based DNA Vaccine Delivery System. Pharmaceutics, 2021, 13, 1369.	4.5	13
31	Physicochemical characterization and targeting performance of triphenylphosphonium nano-polyplexes. Journal of Molecular Liquids, 2020, 316, 113873.	4.9	12
32	Using lanthanides as probes for polyelectrolyteâ€“metal ion interactions. Hydration changes on binding of trivalent cations to nucleotides and nucleic acids. Chemical Physics, 2008, 352, 241-248.	1.9	11
33	Design of experiments to select triphenylphosphonium-polyplexes with suitable physicochemical properties for mitochondrial gene therapy. Journal of Molecular Liquids, 2020, 302, 112488.	4.9	11
34	Development of Peptide-Based Nanoparticles for Mitochondrial Plasmid DNA Delivery. Polymers, 2021, 13, 1836.	4.5	11
35	Exploring the link between chronobiology and drug delivery: effects on cancer therapy. Journal of Molecular Medicine, 2021, 99, 1349-1371.	3.9	11
36	Polymer-peptide ternary systems as a tool to improve the properties of plasmid DNA vectors in gene delivery. Journal of Molecular Liquids, 2020, 309, 113157.	4.9	9

#	Article	IF	Citations
37	Synthesis and Characterization of Mannosylated Formulations to Deliver a Minicircle DNA Vaccine. Pharmaceutics, 2021, 13, 673.	4.5	9
38	Development of mitochondrial targeting plasmid DNA nanoparticles: Characterization and in vitro studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 287-295.	4.7	7
39	Targeting of Cellular Organelles by Fluorescent Plasmid DNA Nanoparticles. Biomacromolecules, 2017, 18, 2928-2936.	5.4	7
40	Peptides vs. Polymers: Searching for the Most Efficient Delivery System for Mitochondrial Gene Therapy. Pharmaceutics, 2022, 14, 757.	4.5	6
41	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
42	Development of Tailor-Made Dendrimer Ternary Complexes for Drug/Gene Co-Delivery in Cancer. Pharmaceutics, 2021, 13, 1256.	4.5	5
43	Recent advances in peptide-targeted micelleplexes: Current developments and future perspectives. International Journal of Pharmaceutics, 2021, 597, 120362.	5.2	4
44	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
45	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
46	Maximization of the Minicircle DNA Vaccine Production Expressing SARS-CoV-2 RBD. Biomedicines, 2022, 10, 990.	3.2	2
47	DNA-Based Hydrogels: An Approach for Multifunctional Bioapplications. Gels Horizons: From Science To Smart Materials, 2018, , 339-356.	0.3	1
48	Conception of Plasmid DNA and Polyethylenimine Delivery Systems with Potential Application in Field. Methods in Molecular Biology, 2021, 2197, 271-284.	0.9	1
49	Cross-Linked DNA Gels and Gel Particles. , 0, , 353-365.		0
50	Modeling the Surfactant Uptake in Cross-Linked DNA Gels. Journal of Dispersion Science and Technology, 2009, 30, 954-960.	2.4	0
51	Future perspectives of biological macromolecules in biomedicine. , 2022, , 607-632.		0