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Multifunctional cationic nanosystems for nucleic acid therapy of thoracic aortic dissection

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#	Paper	IF	Citations
26	Topology-assisted, photo-strengthened DNA/siRNA delivery mediated by branched poly(β-amino ester)s via synchronized intracellular kinetics. <i>Biomaterials Science</i> , 2020 , 8, 290-301	7.4	11
25	Peptide modified polycations with pH triggered lytic activity for efficient gene delivery. <i>Biomaterials Science</i> , 2020 , 8, 6301-6308	7.4	3
24	Natural polyphenols in drug delivery systems: Current status and future challenges. <i>Giant</i> , 2020 , 3, 1000326	3.6	50
23	Non-coding RNAs in aortic dissection: From biomarkers to therapeutic targets. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 11622-11637	5.6	21
22	Cytoplasmic-mimicking nanocarriers with a scaffold consisting of a CD44-targeted endogenous component for effective asparaginase supramolecule delivery. <i>Nanoscale</i> , 2020 , 12, 12083-12097	7.7	10
21	Fluorinated Helical Polypeptides Synchronize Mucus Permeation and Cell Penetration toward Highly Efficient Pulmonary siRNA Delivery against Acute Lung Injury. <i>Nano Letters</i> , 2020 , 20, 1738-1746	11.5	54
20	Melatonin protects against thoracic aortic aneurysm and dissection through SIRT1-dependent regulation of oxidative stress and vascular smooth muscle cell loss. <i>Journal of Pineal Research</i> , 2020 , 69, e12661	10.4	12
19	MicroRNA-520c-3p targeting of RelA/p65 suppresses atherosclerotic plaque formation. <i>International Journal of Biochemistry and Cell Biology</i> , 2021 , 131, 105873	5.6	5
18	Versatile Types of Cyclodextrin-Based Nucleic Acid Delivery Systems. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001183	10.1	7
17	Enhancers in polymeric nonviral gene delivery systems. <i>View</i> , 2021 , 2, 20200072	7.8	2
16	Injectable Nanosystems and Inherent Nanoparticulate-Serum Interactions. 2021 , 561-572		
15	Phenylboronic acid-functionalized polyaminoglycoside as an effective CRISPR/Cas9 delivery system. <i>Biomaterials Science</i> , 2021 , 9, 7104-7114	7.4	1
14	Reversible Treatment of Pressure Overload-Induced Left Ventricular Hypertrophy through Nucleic Acid Delivery Mediated by Functional Polyaminoglycoside. <i>Advanced Science</i> , 2021 , 8, 2003706	13.6	4
13	Pro-Peptide-Reinforced, Mucus-Penetrating Pulmonary siRNA Delivery Mitigates Cytokine Storm in Pneumonia. <i>Advanced Functional Materials</i> , 2021 , 31, 2008960	15.6	9
12	Current Pharmacological Management of Aortic Aneurysm. <i>Journal of Cardiovascular Pharmacology</i> , 2021 , 78, 211-220	3.1	
11	A novel approach to identify the mechanism of miR-145-5p toxicity to podocytes based on the essential genes targeting analysis. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 26, 749-759	10.7	0
10	Macrophage-targeting gene silencing orchestrates myocardial microenvironment remodeling toward the anti-inflammatory treatment of ischemia-reperfusion (IR) injury. <i>Bioactive Materials</i> , 2022 , 17, 320-333	16.7	2

9	Endothelial Cell-Targeting, ROS-Ultrasensitive Drug/siRNA Co-Delivery Nanocomplexes Mitigate Early-Stage Neutrophil Recruitment For the Anti-Inflammatory Treatment of Myocardial Ischemia Reperfusion Injury.. <i>Acta Biomaterialia</i> , 2022 ,	10.8	3
8	Biomedical polymers: synthesis, properties, and applications.. <i>Science China Chemistry</i> , 2022 , 1-66	7.9	11
7	Mir-22-incorporated polyelectrolyte coating prevents intima hyperplasia after balloon-induced vascular injury. <i>Biomaterials Science</i> ,	7.4	0
6	Hypoxia-Reinforced Antitumor RNA Interference Mediated by Micelleplexes with Programmed Disintegration. <i>Acta Biomaterialia</i> , 2022 ,	10.8	2
5	Long Noncoding RNA TPRG1-AS1 Suppresses Migration of Vascular Smooth Muscle Cells and Attenuates Atherogenesis via Interacting With MYH9 Protein.		1
4	Inhibition of neointimal hyperplasia in balloon-induced vascular injuries in a rat model by miR-22 loading Laponite hydrogels. 2022 , 213140		0
3	A fluorescent nano vector for early diagnosis and enhanced Interleukin-33 therapy of thoracic aortic dissection. 2023 , 293, 121958		0
2	Guanidinium-functionalized Block Copolyelectrolyte Micelleplexes for Safe and Efficient siRNA Delivery.		0
1	Hydrophobic aerogel-modified hemostatic gauze with thermal management performance. 2023 , 26, 142-158		0