

Du Cheng

List of Publications by Year in descending order

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67
papers

4,495
citations

117453

34
h-index

102304

66
g-index

72
all docs

72
docs citations

72
times ranked

6584
citing authors

#	ARTICLE	IF	CITATIONS
1	Using siRNA in prophylactic and therapeutic regimens against SARS coronavirus in Rhesus macaque. <i>Nature Medicine</i> , 2005, 11, 944-951.	15.2	409
2	Interlayerâ€Crosslinked Micelle with Partially Hydrated Core Showing Reduction and pH Dual Sensitivity for Pinpointed Intracellular Drug Release. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9404-9408.	7.2	368
3	Design of Multifunctional Micelle for Tumorâ€Targeted Intracellular Drug Release and Fluorescent Imaging. <i>Advanced Materials</i> , 2012, 24, 115-120.	11.1	239
4	Nonviral gene editing via CRISPR/Cas9 delivery by membrane-disruptive and endosomolytic helical polypeptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4903-4908.	3.3	223
5	The synergistic effect of hierarchical assemblies of siRNA and chemotherapeutic drugs co-delivered into hepatic cancer cells. <i>Biomaterials</i> , 2011, 32, 2222-2232.	5.7	215
6	A Reduction and pH Dualâ€Sensitive Polymeric Vector for Longâ€Circulating and Tumorâ€Targeted siRNA Delivery. <i>Advanced Materials</i> , 2014, 26, 8217-8224.	11.1	198
7	Multifunctional nanocarrier mediated co-delivery of doxorubicin and siRNA for synergistic enhancement of glioma apoptosis in rat. <i>Biomaterials</i> , 2012, 33, 1170-1179.	5.7	164
8	Nanobubbles for enhanced ultrasound imaging of tumors. <i>International Journal of Nanomedicine</i> , 2012, 7, 895.	3.3	158
9	Tumor-penetrating codelivery of siRNA and paclitaxel with ultrasound-responsive nanobubbles hetero-assembled from polymeric micelles and liposomes. <i>Biomaterials</i> , 2014, 35, 5932-5943.	5.7	156
10	Ultrasound-sensitive siRNA-loaded nanobubbles formed by hetero-assembly of polymeric micelles and liposomes and their therapeutic effect in gliomas. <i>Biomaterials</i> , 2013, 34, 4532-4543.	5.7	152
11	Coâ€Delivery of Doxorubicin and siRNA with Reduction and pH Dually Sensitive Nanocarrier for Synergistic Cancer Therapy. <i>Small</i> , 2014, 10, 2678-2687.	5.2	139
12	M2-Like Tumor-Associated Macrophage-Targeted Codelivery of STAT6 Inhibitor and IKKÎ² siRNA Induces M2-to-M1 Repolarization for Cancer Immunotherapy with Low Immune Side Effects. <i>ACS Central Science</i> , 2020, 6, 1208-1222.	5.3	133
13	Polyethylenimine-grafted copolymer of poly(L-lysine) and poly(ethylene glycol) for gene delivery. <i>Biomaterials</i> , 2011, 32, 1694-1705.	5.7	111
14	Codelivery of CRISPR-Cas9 and chlorin e6 for spatially controlled tumor-specific gene editing with synergistic drug effects. <i>Science Advances</i> , 2020, 6, eabb4005.	4.7	106
15	Drug and gene co-delivery systems for cancer treatment. <i>Biomaterials Science</i> , 2015, 3, 1035-1049.	2.6	89
16	Prophylactic and Therapeutic Effects of Small Interfering Rna Targeting Sars-Coronavirus. <i>Antiviral Therapy</i> , 2004, 9, 365-374.	0.6	88
17	Copolymer of poly(ethylene glycol) and poly(L-lysine) grafting polyethylenimine through a reducible disulfide linkage for siRNA delivery. <i>Nanoscale</i> , 2014, 6, 1732-1740.	2.8	87
18	Photothermo-chemotherapy of cancer employing drug leakage-free gold nanoshells. <i>Biomaterials</i> , 2016, 78, 40-49.	5.7	75

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19	Spatiotemporal control of CRISPR/Cas9 gene editing. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 238.	7.1	73
20	Simultaneous Diagnosis and Gene Therapy of Immuno-Rejection in Rat Allogeneic Heart Transplantation Model Using a T-Cell-Targeted Theranostic Nanosystem. <i>ACS Nano</i> , 2012, 6, 10646-10657.	7.3	65
21	Nonclustered magnetite nanoparticle encapsulated biodegradable polymeric micelles with enhanced properties for in vivo tumor imaging. <i>Journal of Materials Chemistry</i> , 2011, 21, 4796.	6.7	62
22	Synergistic MicroRNA Therapy in Liver Fibrotic Rat Using MRI-Visible Nanocarrier Targeting Hepatic Stellate Cells. <i>Advanced Science</i> , 2019, 6, 1801809.	5.6	58
23	Core-Shell Distinct Nanodrug Showing On-Demand Sequential Drug Release To Act on Multiple Cell Types for Synergistic Anticancer Therapy. <i>ACS Nano</i> , 2019, 13, 7036-7049.	7.3	57
24	Stimuli-Responsive Polymeric Nanocarriers for Efficient Gene Delivery. <i>Topics in Current Chemistry</i> , 2017, 375, 27.	3.0	52
25	Synergistic effects of liposomes encapsulating atorvastatin calcium and curcumin and targeting dysfunctional endothelial cells in reducing atherosclerosis. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 649-665.	3.3	51
26	A pH-sensitive polymeric nanovesicle based on biodegradable poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (glycol)-b-poly <i>Materials Chemistry</i> , 2011, 21, 15316.	6.7	49
27	Enhanced apoptosis of ovarian cancer cells via nanocarrier-mediated codelivery of siRNA and doxorubicin. <i>International Journal of Nanomedicine</i> , 2012, 7, 3823.	3.3	46
28	Polymeric vector-mediated gene transfection of MSCs for dual bioluminescent and MRI tracking in vivo. <i>Biomaterials</i> , 2014, 35, 8249-8260.	5.7	43
29	An RGD-Modified MRI-Visible Polymeric Vector for Targeted siRNA Delivery to Hepatocellular Carcinoma in Nude Mice. <i>PLoS ONE</i> , 2013, 8, e66416.	1.1	39
30	pH-Sensitive Nanocarrier-Mediated Codelivery of Simvastatin and Noggin siRNA for Synergistic Enhancement of Osteogenesis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28471-28482.	4.0	39
31	Co-delivery of doxorubicin and arsenite with reduction and pH dual-sensitive vesicle for synergistic cancer therapy. <i>Nanoscale</i> , 2016, 8, 12608-12617.	2.8	38
32	A highly sensitive sensor for Cu ²⁺ with unmodified gold nanoparticles and DNAzyme by using the dynamic light scattering technique. <i>Analyst</i> , The, 2012, 137, 3064.	1.7	37
33	Molecular Probe Crossing Blood-Brain Barrier for Bimodal Imaging-Guided Photothermal/Photodynamic Therapies of Intracranial Glioblastoma. <i>Advanced Functional Materials</i> , 2020, 30, 1909117.	7.8	37
34	Investigation of the performance of PEG-PEI/ROCK-II-siRNA complexes for Alzheimer's disease in vitro. <i>Brain Research</i> , 2013, 1490, 43-51.	1.1	36
35	Advanced Nanotheranostics of CRISPR/Cas for Viral Hepatitis and Hepatocellular Carcinoma. <i>Advanced Science</i> , 2021, 8, e2102051.	5.6	35
36	Characterization of Polyethylene Glycol-Polyethyleneimine as a Vector for Alpha-Synuclein siRNA Delivery to PC12 Cells for Parkinson's Disease. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 76-85.	1.9	34

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37	Functional Photoacoustic Imaging of Gastric Acid Secretion Using pH-Responsive Polyaniline Nanoprobes. <i>Small</i> , 2016, 12, 4690-4696.	5.2	32
38	Localized delivery of CRISPR/dCas9 via layer-by-layer self-assembling peptide coating on nanofibers for neural tissue engineering. <i>Biomaterials</i> , 2020, 256, 120225.	5.7	32
39	A pH-sensitive prodrug micelle self-assembled from multi-doxorubicin-tailed polyethylene glycol for cancer therapy. <i>RSC Advances</i> , 2016, 6, 9160-9163.	1.7	31
40	Magnetic Resonance Imaging-Visible and pH-Sensitive Polymeric Micelles for Tumor Targeted Drug Delivery. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 216-226.	0.5	30
41	Synthesis and Characterization of pH-Responsive Copolypeptides Vesicles for siRNA and Chemotherapeutic Drug Delivery. <i>Macromolecular Bioscience</i> , 2015, 15, 1497-1506.	2.1	30
42	Gold nanocage decorated pH-sensitive micelle for highly effective photothermo-chemotherapy and photoacoustic imaging. <i>Acta Biomaterialia</i> , 2017, 64, 223-236.	4.1	30
43	Construction of negatively charged and environment-sensitive nanomedicine for tumor-targeted efficient siRNA delivery. <i>Chemical Communications</i> , 2016, 52, 1194-1197.	2.2	28
44	Tumor-penetrating peptide modified and pH-sensitive polyplexes for tumor targeted siRNA delivery. <i>Polymer Chemistry</i> , 2016, 7, 3857-3863.	1.9	26
45	A pH-sensitive micelle for codelivery of siRNA and doxorubicin to hepatoma cells. <i>Polymer</i> , 2014, 55, 3217-3226.	1.8	22
46	Polypeptide-poly(ethylene glycol) miktoarm star copolymers with a fluorescently labeled core: synthesis, delivery and imaging of siRNA. <i>Polymer Chemistry</i> , 2016, 7, 1792-1802.	1.9	20
47	Reduction and pH dual-sensitive nanovesicles co-delivering doxorubicin and gefitinib for effective tumor therapy. <i>RSC Advances</i> , 2018, 8, 2082-2091.	1.7	20
48	Regulated pH-Responsive Polymeric Micelles for Doxorubicin Delivery to the Nucleus of Liver Cancer Cells. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1258-1269.	0.5	18
49	Co-delivery of NIR-II semiconducting polymer and pH-sensitive doxorubicin-conjugated prodrug for photothermal/chemotherapy. <i>Acta Biomaterialia</i> , 2022, 137, 238-251.	4.1	18
50	Biodegradable Multiamine Polymeric Vector for siRNA Delivery. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 668-679.	0.5	17
51	Co-delivery of 5-fluorocytosine and cytosine deaminase into glioma cells mediated by an intracellular environment-responsive nanovesicle. <i>Polymer Chemistry</i> , 2014, 5, 4542-4552.	1.9	16
52	PinX1-siRNA/mPEG-PEI-SPION combined with doxorubicin enhances the inhibition of glioma growth. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 1170-1176.	0.8	15
53	Effective siRNA therapy of hepatoma mediated by a nonviral vector with MRI-visibility and biodegradability. <i>RSC Advances</i> , 2015, 5, 21103-21111.	1.7	15
54	Polymeric nanovesicles as simultaneous delivery platforms with doxorubicin conjugation and elacridar encapsulation for enhanced treatment of multidrug-resistant breast cancer. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7521-7529.	2.9	15

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55	A dual ligand targeted nanoprobe with high MRI sensitivity for diagnosis of breast cancer. Chinese Journal of Polymer Science (English Edition), 2014, 32, 321-332.	2.0	14
56	Synthesis and characterization of polycation block copolymer Poly(l-lysine)-b-poly[N-(N-ε ² ,N-ε ² -diisopropyl-aminoethyl)aspartamide] as potential pH responsive gene delivery system. Polymer, 2012, 53, 342-349.	1.8	13
57	Nanovector for Gene Transfection and MR Imaging of Mesenchymal Stem Cells. Journal of Biomedical Nanotechnology, 2015, 11, 644-656.	0.5	11
58	ROS-responsive organosilica nanocarrier for the targeted delivery of metformin against cancer with the synergistic effect of hypoglycemia. Journal of Materials Chemistry B, 2021, 9, 6044-6055.	2.9	11
59	Effect of PEG-PDLLA polymeric nanovesicles loaded with doxorubicin and hematoporphyrin monomethyl ether on human hepatocellular carcinoma HepG2 cells in vitro. International Journal of Nanomedicine, 2013, 8, 4613.	3.3	10
60	Folate-functionalized polymeric micelles based on biodegradable PEG-PDLLA as a hepatic carcinoma-targeting delivery system. Asian Pacific Journal of Cancer Prevention, 2011, 12, 1995-9.	0.5	10
61	Characterization and purification via nucleic acid aptamers of a novel esterase from the metagenome of paper mill wastewater sediments. International Journal of Biological Macromolecules, 2020, 153, 441-450.	3.6	9
62	RAPID AND EFFICIENT GENERATION OF PCR TEMPLATES FROM ESCHERICHIA COLI, SACCHAROMYCES CEREVISIAE AND ORYZA SATIVA USING A MICROWAVE AND BY BOILING. Journal of Rapid Methods and Automation in Microbiology, 2005, 13, 19-28.	0.4	7
63	A component-optimized chemo-dynamic nanoagent for enhanced tumour cell-selective chemo-dynamic therapy with minimal side effects in a glioma mouse model. Biomaterials Science, 2022, 10, 4170-4183.	2.6	5
64	Size- and Surface- Dual Engineered Small Polyplexes for Efficiently Targeting Delivery of siRNA. Molecules, 2021, 26, 3238.	1.7	4
65	Nuclear-Targeting Delivery of CRISPRa System for Upregulation of <i>h</i> -Defensin against Virus Infection by Dexamethasone and Phenylalanine Dual-Modified Dendrimer. Advances in Polymer Technology, 2020, 2020, 1-13.	0.8	3
66	Non-viral CRISPR activation system targeting VEGF-A and TGF-β ¹ for enhanced osteogenesis of pre-osteoblasts implanted with dual-crosslinked hydrogel. Materials Today Bio, 2022, 16, 100356.	2.6	3
67	MRI-Visible Nanocarrier for Synergistic MicroRNA Therapy in Liver Fibrotic Rat. Biomaterial Engineering, 2022, , 269-291.	0.1	0