Jin-Zhi Du

List of Publications by Year
in descending order

62 papers	8,026 citations	101543 36 h-index	123424 61 g-index
65 all docs	65 docs citations	65 times ranked	9530 citing authors

#	Article	IF	Citations
1	Tailor-Made Dual pH-Sensitive Polymerâ€"Doxorubicin Nanoparticles for Efficient Anticancer Drug Delivery. Journal of the American Chemical Society, 2011, 133, 17560-17563.	13.7	1,063
2	Stimuli-responsive clustered nanoparticles for improved tumor penetration and therapeutic efficacy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4164-4169.	7.1	617
3	Surface Charge Switchable Nanoparticles Based on Zwitterionic Polymer for Enhanced Drug Delivery to Tumor. Advanced Materials, 2012, 24, 5476-5480.	21.0	461
4	Smart Superstructures with Ultrahigh pH-Sensitivity for Targeting Acidic Tumor Microenvironment: Instantaneous Size Switching and Improved Tumor Penetration. ACS Nano, 2016, 10, 6753-6761.	14.6	461
5	A Tumorâ€Acidityâ€Activated Chargeâ€Conversional Nanogel as an Intelligent Vehicle for Promoted Tumoralâ€Cell Uptake and Drug Delivery. Angewandte Chemie - International Edition, 2010, 49, 3621-3626.	13.8	459
6	Simultaneous Delivery of siRNA and Paclitaxel <i>via</i> a â€œTwo-in-Oneâ€• Micelleplex Promotes Synergistic Tumor Suppression. ACS Nano, 2011, 5, 1483-1494.	14.6	387
7	Stimuli-responsive nanoparticles for targeting the tumor microenvironment. Journal of Controlled Release, 2015, 219, 205-214.	9.9	271
8	Gold Nanoparticles Capped with Polyethyleneimine for Enhanced siRNA Delivery. Small, 2010, 6, 239-246.	10.0	269
9	Sheddable Ternary Nanoparticles for Tumor Acidity-Targeted siRNA Delivery. ACS Nano, 2012, 6, 771-781.	14.6	265
10	Shell-Detachable Micelles Based on Disulfide-Linked Block Copolymer As Potential Carrier for Intracellular Drug Delivery. Bioconjugate Chemistry, 2009, 20, 1095-1099.	3.6	243
11	Self-assembled biodegradable micellar nanoparticles of amphiphilic and cationic block copolymer for siRNA delivery. Biomaterials, 2008, 29, 4348-4355.	11.4	227
12	Surface charge critically affects tumor penetration and therapeutic efficacy of cancer nanomedicines. Nano Today, 2016, 11, 133-144.	11.9	208
13	Tumor-Acidity-Cleavable Maleic Acid Amide (TACMAA): A Powerful Tool for Designing Smart Nanoparticles To Overcome Delivery Barriers in Cancer Nanomedicine. Accounts of Chemical Research, 2018, 51, 2848-2856.	15.6	195
14	Recent Progress in Polyphosphoesters: From Controlled Synthesis to Biomedical Applications. Macromolecular Bioscience, 2009, 9, 1154-1164.	4.1	192
15	Strategies to improve tumor penetration of nanomedicines through nanoparticle design. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1519.	6.1	180
16	Tumor extracellular acidity-activated nanoparticles as drug delivery systems for enhanced cancer therapy. Biotechnology Advances, 2014, 32, 789-803.	11.7	171
17	Spatial Targeting of Tumor-Associated Macrophages and Tumor Cells with a pH-Sensitive Cluster Nanocarrier for Cancer Chemoimmunotherapy. Nano Letters, 2017, 17, 3822-3829.	9.1	158
18	Cancer stem cell therapy using doxorubicin conjugated to gold nanoparticles via hydrazone bonds. Biomaterials, 2014, 35, 836-845.	11.4	150

#	Article	IF	Citations
19	Evaluation of Polymeric Micelles from Brush Polymer with Poly(Îµ-caprolactone)-<i>b</i>-Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ov	5.4	145
20	Facile Generation of Tumorâ€pHâ€Labile Linkageâ€Bridged Block Copolymers for Chemotherapeutic Delivery. Angewandte Chemie - International Edition, 2016, 55, 1010-1014.	13.8	133
21	Tumor Acidity/NIR Controlled Interaction of Transformable Nanoparticle with Biological Systems for Cancer Therapy. Nano Letters, 2017, 17, 2871-2878.	9.1	111
22	A biodegradable amphiphilic and cationic triblock copolymer for the delivery of siRNA targeting the acid ceramidase gene for cancer therapy. Biomaterials, 2011, 32, 3124-3133.	11.4	105
23	Kinetics and Mechanism of 2-Ethoxy-2-oxo-1,3,2-dioxaphospholane Polymerization Initiated by Stannous Octoate. Macromolecules, 2006, 39, 6825-6831.	4.8	96
24	The effect of surface charge on oral absorption of polymeric nanoparticles. Biomaterials Science, 2018, 6, 642-650.	5.4	96
25	Nanoenabled Reversal of IDO1-Mediated Immunosuppression Synergizes with Immunogenic Chemotherapy for Improved Cancer Therapy. Nano Letters, 2019, 19, 5356-5365.	9.1	87
26	Synthesis and Characterization of Photo-Cross-Linked Hydrogels Based on Biodegradable Polyphosphoesters and Poly(ethylene glycol) Copolymers. Biomacromolecules, 2007, 8, 3375-3381.	5.4	81
27	Synthesis and Micellization of Amphiphilic Brushâ^'Coil Block Copolymer Based on Poly(Îµ-caprolactone) and PEGylated Polyphosphoester. Biomacromolecules, 2006, 7, 1898-1903.	5.4	80
28	Synthesis of Amphiphilic ABC 3-Miktoarm Star Terpolymer by Combination of Ring-Opening Polymerization and â€œClickâ€• Chemistry. Macromolecules, 2008, 41, 8620-8625.	4.8	77
29	Doxorubicin Conjugate of Poly(Ethylene Glycol)â€<i>Block</i>â€Polyphosphoester for Cancer Therapy. Advanced Healthcare Materials, 2014, 3, 261-272.	7.6	64
30	Immunomodulating nano-adaptors potentiate antibody-based cancer immunotherapy. Nature Communications, 2021, 12, 1359.	12.8	64
31	Enhanced Primary Tumor Penetration Facilitates Nanoparticle Draining into Lymph Nodes after Systemic Injection for Tumor Metastasis Inhibition. ACS Nano, 2019, 13, 8648-8658.	14.6	55
32	Functionalized Diblock Copolymer of Poly(Îµ-caprolactone) and Polyphosphoester Bearing Hydroxyl Pendant Groups: Synthesis, Characterization, and Self-Assembly. Macromolecules, 2008, 41, 6935-6941.	4.8	50
33	Programmable Delivery of Immune Adjuvant to Tumor-Infiltrating Dendritic Cells for Cancer Immunotherapy. Nano Letters, 2020, 20, 4882-4889.	9.1	50
34	Biomimetic co-assembled nanodrug of doxorubicin and berberine suppresses chemotherapy-exacerbated breast cancer metastasis. Biomaterials, 2021, 271, 120716.	11.4	49
35	Nanoparticleâ€Enabled Dual Modulation of Phagocytic Signals to Improve Macrophageâ€Mediated Cancer Immunotherapy. Small, 2020, 16, e2004240.	10.0	46
36	Intratumor Performance and Therapeutic Efficacy of PAMAM Dendrimers Carried by Clustered Nanoparticles. Nano Letters, 2019, 19, 8947-8955.	9.1	41

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37	Coordination and Redox Dualâ€Responsive Mesoporous Organosilica Nanoparticles Amplify Immunogenic Cell Death for Cancer Chemoimmunotherapy. Small, 2021, 17, e2100006.	10.0	40
38	Engineering nanoscopic hydrogels via photo-crosslinking salt-induced polymer assembly for targeted drug delivery. Chemical Communications, 2010, 46, 3520.	4.1	35
39	Facile Generation of Tumorâ€pHâ€Labile Linkageâ€Bridged Block Copolymers for Chemotherapeutic Delivery. Angewandte Chemie, 2016, 128, 1022-1026.	2.0	35
40	Microneedle-array patch with pH-sensitive formulation for glucose-responsive insulin delivery. Nano Research, 2021, 14, 2689-2696.	10.4	35
41	Electrosprayed coreâ€“shell microspheres for protein delivery. Chemical Communications, 2010, 46, 4743.	4.1	33
42	Two consecutive click reactions as a general route to functional cyclic polyesters. Chemical Communications, 2012, 48, 570-572.	4.1	27
43	Biocompatible and functionalizable polyphosphate nanogel with a branched structure. Journal of Materials Chemistry, 2012, 22, 9322.	6.7	26
44	Brush-shaped polycation with poly(ethylenimine)-b-poly(ethylene glycol) side chains as highly efficient gene delivery vector. International Journal of Pharmaceutics, 2010, 392, 118-126.	5.2	25
45	Angiopep-2 conjugated nanoparticles loaded with doxorubicin for the treatment of primary central nervous system lymphoma. Biomaterials Science, 2020, 8, 1290-1297.	5.4	25
46	Investigation of the in vivo integrity of polymeric micelles via large Stokes shift fluorophore-based FRET. Journal of Controlled Release, 2020, 324, 47-54.	9.9	24
47	Micelle-to-vesicle morphological transition via light-induced rapid hydrophilic arm detachment from a star polymer. Chemical Communications, 2012, 48, 1257-1259.	4.1	23
48	Surface-modulated and thermoresponsive polyphosphoester nanoparticles for enhanced intracellular drug delivery. Science China Chemistry, 2014, 57, 579-585.	8.2	22
49	A Tumorâ€Penetrating Nanomedicine Improves the Chemoimmunotherapy of Pancreatic Cancer. Small, 2021, 17, e2101208.	10.0	22
50	Shell-detachable nanoparticles based on a light-responsive amphiphile for enhanced siRNA delivery. RSC Advances, 2014, 4, 1961-1964.	3.6	20
51	Multi-stimuli responsive poly(amidoamine) dendrimers with peripheral <i>N</i>-dialkylaminoethyl carbamate moieties. Polymer Chemistry, 2019, 10, 656-662.	3.9	15
52	An Injectable Nanocomposite Hydrogel Improves Tumor Penetration and Cancer Treatment Efficacy. Acta Biomaterialia, 2022, 147, 235-244.	8.3	14
53	Biofunctional Janus particles promote phagocytosis of tumor cells by macrophages. Chemical Science, 2020, 11, 5323-5327.	7.4	12
54	A polyamidoamine (PAMAM) derivative dendrimer with high loading capacity of TLR7/8 agonist for improved cancer immunotherapy. Nano Research, 2022, 15, 510-518.	10.4	12

#	Article	IF	Citations
55	Engineering nanoparticles to tackle tumor barriers. Journal of Materials Chemistry B, 2020, 8, 6686-6696.	5.8	10
56	An Intracellular pH-Actuated Polymer for Robust Cytosolic Protein Delivery. CCS Chemistry, 0, , 431-442.	7.8	10
57	Phosphoester modified poly(ethylenimine) as efficient and low cytotoxic genevectors. Science China Chemistry, 2011, 54, 351-358.	8.2	6
58	A polymeric nanoformulation improves the bioavailability and efficacy of sorafenib for hepatocellular carcinoma therapy. Biomaterials Science, 2021, 9, 2508-2518.	5.4	5
59	SYTHESIS AND CHARACTERIZATION OF POLYETHYLENIMINE-POLY(ETHYLENE GLYCOL) DIACRYLATE NANOGEL AS A siRNA CARRIER. Acta Polymerica Sinica, 2009, 009, 257-263.	0.0	4
60	Multiresponsive Polymer Assemblies Achieved by a Subtle Chain Terminal Modification. Chinese Journal of Chemistry, 2014, 32, 51-56.	4.9	2
61	Chemoimmunotherapy: Coordination and Redox Dualâ€Responsive Mesoporous Organosilica Nanoparticles Amplify Immunogenic Cell Death for Cancer Chemoimmunotherapy (Small 26/2021). Small, 2021, 17, 2170130.	10.0	2
62	Barriers for Tumor Drug Delivery. , 2020, , 5-26.		1