

Chao Deng

List of Publications by Year in descending order

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102
papers

10,023
citations

43973

48
h-index

33814

99
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106
all docs

106
docs citations

106
times ranked

12330
citing authors

#	ARTICLE	IF	CITATIONS
1	Glutathione-responsive nano-vehicles as a promising platform for targeted intracellular drug and gene delivery. <i>Journal of Controlled Release</i> , 2011, 152, 2-12.	4.8	1,187
2	Dual and multi-stimuli responsive polymeric nanoparticles for programmed site-specific drug delivery. <i>Biomaterials</i> , 2013, 34, 3647-3657.	5.7	1,155
3	Click hydrogels, microgels and nanogels: Emerging platforms for drug delivery and tissue engineering. <i>Biomaterials</i> , 2014, 35, 4969-4985.	5.7	629
4	Biodegradable polymeric micelles for targeted and controlled anticancer drug delivery: Promises, progress and prospects. <i>Nano Today</i> , 2012, 7, 467-480.	6.2	530
5	Ligand-Directed Active Tumor-Targeting Polymeric Nanoparticles for Cancer Chemotherapy. <i>Biomacromolecules</i> , 2014, 15, 1955-1969.	2.6	447
6	Functional polypeptide and hybrid materials: Precision synthesis via α -amino acid N-carboxyanhydride polymerization and emerging biomedical applications. <i>Progress in Polymer Science</i> , 2014, 39, 330-364.	11.8	310
7	Hyaluronic acid-shelled acid-activatable paclitaxel prodrug micelles effectively target and treat CD44-overexpressing human breast tumor xenografts in vivo. <i>Biomaterials</i> , 2016, 84, 250-261.	5.7	257
8	Reversibly crosslinked hyaluronic acid nanoparticles for active targeting and intelligent delivery of doxorubicin to drug resistant CD44+ human breast tumor xenografts. <i>Journal of Controlled Release</i> , 2015, 205, 144-154.	4.8	250
9	Intracellular drug release nanosystems. <i>Materials Today</i> , 2012, 15, 436-442.	8.3	216
10	Intracellular release of doxorubicin from core-crosslinked polypeptide micelles triggered by both pH and reduction conditions. <i>Biomaterials</i> , 2013, 34, 5262-5272.	5.7	182
11	Reduction-Responsive Disassemblable Core-Cross-Linked Micelles Based on Poly(ethylene Terephthalate) for Intracellular Anticancer Drug Release. <i>Biomacromolecules</i> , 2012, 13, 2429-2438.	2.6	181
12	Bioresponsive polymeric nanotherapeutics for targeted cancer chemotherapy. <i>Nano Today</i> , 2015, 10, 656-670.	6.2	159
13	Core-crosslinked pH-sensitive degradable micelles: A promising approach to resolve the extracellular stability versus intracellular drug release dilemma. <i>Journal of Controlled Release</i> , 2012, 164, 338-345.	4.8	157
14	pH-sensitive polymeric nanoparticles for tumor-targeting doxorubicin delivery: concept and recent advances. <i>Nanomedicine</i> , 2014, 9, 487-499.	1.7	152
15	Advanced drug and gene delivery systems based on functional biodegradable polycarbonates and copolymers. <i>Journal of Controlled Release</i> , 2014, 190, 398-414.	4.8	142
16	A Collagen-Chitosan Hydrogel for Endothelial Differentiation and Angiogenesis. <i>Tissue Engineering - Part A</i> , 2010, 16, 3099-3109.	1.6	139
17	cRGD-functionalized reduction-sensitive shell-sheddable biodegradable micelles mediate enhanced doxorubicin delivery to human glioma xenografts in vivo. <i>Journal of Controlled Release</i> , 2016, 233, 29-38.	4.8	121
18	A biodegradable triblock copolymer poly(ethylene glycol)-b-poly(L-lactide)-b-poly(L-lysine): Synthesis, self-assembly, and RGD peptide modification. <i>Polymer</i> , 2007, 48, 139-149.	1.8	113

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19	In Situ Forming Reduction-Sensitive Degradable Nanogels for Facile Loading and Triggered Intracellular Release of Proteins. <i>Biomacromolecules</i> , 2013, 14, 1214-1222.	2.6	108
20	EGFR and CD44 Dual-Targeted Multifunctional Hyaluronic Acid Nanogels Boost Protein Delivery to Ovarian and Breast Cancers In Vitro and In Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24140-24147.	4.0	108
21	Micelles Based on Acid Degradable Poly(acetal urethane): Preparation, pH-Sensitivity, and Triggered Intracellular Drug Release. <i>Biomacromolecules</i> , 2015, 16, 2228-2236.	2.6	103
22	Injectable biodegradable hybrid hydrogels based on thiolated collagen and oligo(acryloyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (regeneration. <i>Acta Biomaterialia</i> , 2015, 15, 55-64.	4.1	100
23	Targeted glioma chemotherapy by cyclic RGD peptide-functionalized reversibly core-crosslinked multifunctional poly(ethylene glycol)-b-poly(μ -caprolactone) micelles. <i>Acta Biomaterialia</i> , 2017, 50, 396-406.	4.1	97
24	Robust, tumor-homing and redox-sensitive polymersomal doxorubicin: A superior alternative to Doxil and Caelyx?. <i>Journal of Controlled Release</i> , 2016, 239, 149-158.	4.8	92
25	Highly efficacious and specific anti-glioma chemotherapy by tandem nanomicelles co-functionalized with brain tumor-targeting and cell-penetrating peptides. <i>Journal of Controlled Release</i> , 2018, 278, 1-8.	4.8	92
26	Functional Poly(μ -caprolactone)s via Copolymerization of μ -Caprolactone and Pyridyl Disulfide-Containing Cyclic Carbonate: Controlled Synthesis and Facile Access to Reduction-Sensitive Biodegradable Graft Copolymer Micelles. <i>Macromolecules</i> , 2013, 46, 699-707.	2.2	90
27	Multifunctional Click Hyaluronic Acid Nanogels for Targeted Protein Delivery and Effective Cancer Treatment <i>in Vivo</i> . <i>Chemistry of Materials</i> , 2016, 28, 8792-8799.	3.2	88
28	Self-crosslinkable and intracellularly decrosslinkable biodegradable micellar nanoparticles: A robust, simple and multifunctional nanoplatform for high-efficiency targeted cancer chemotherapy. <i>Journal of Controlled Release</i> , 2016, 244, 326-335.	4.8	86
29	Facile construction of dual-bioresponsive biodegradable micelles with superior extracellular stability and activated intracellular drug release. <i>Journal of Controlled Release</i> , 2015, 210, 125-133.	4.8	84
30	Hyaluronic acid coated PLGA nanoparticulate docetaxel effectively targets and suppresses orthotopic human lung cancer. <i>Journal of Controlled Release</i> , 2017, 259, 76-82.	4.8	84
31	A three-dimensional ratiometric sensing strategy on unimolecular fluorescenceâ€“thermally activated delayed fluorescence dual emission. <i>Nature Communications</i> , 2019, 10, 731.	5.8	80
32	<i>In Situ</i> Forming Hydrogels via Catalyst-Free and Bioorthogonal α -Tetrazole α -Alkene α -Photo-Click Chemistry. <i>Biomacromolecules</i> , 2013, 14, 2814-2821.	2.6	79
33	Redox-Sensitive and Intrinsically Fluorescent Photoclick Hyaluronic Acid Nanogels for Traceable and Targeted Delivery of Cytochrome <i>c</i> to Breast Tumor in Mice. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21155-21162.	4.0	79
34	A novel surface acoustic wave-impedance humidity sensor based on the composite of polyaniline and poly(vinyl alcohol) with a capability of detecting low humidity. <i>Sensors and Actuators B: Chemical</i> , 2012, 165, 7-12.	4.0	78
35	Reduction and pH dual-bioresponsive crosslinked polymersomes for efficient intracellular delivery of proteins and potent induction of cancer cell apoptosis. <i>Acta Biomaterialia</i> , 2014, 10, 2159-2168.	4.1	75
36	cRGD-decorated biodegradable polytyrosine nanoparticles for robust encapsulation and targeted delivery of doxorubicin to colorectal cancer in vivo. <i>Journal of Controlled Release</i> , 2019, 301, 110-118.	4.8	75

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37	Anisamide-Decorated pH-Sensitive Degradable Chimaeric Polymersomes Mediate Potent and Targeted Protein Delivery to Lung Cancer Cells. <i>Biomacromolecules</i> , 2015, 16, 1726-1735.	2.6	73
38	Efficacious delivery of protein drugs to prostate cancer cells by PSMA-targeted pH-responsive chimaeric polymersomes. <i>Journal of Controlled Release</i> , 2015, 220, 704-714.	4.8	73
39	Novel injectable biodegradable glycol chitosan-based hydrogels crosslinked by Michael-type addition reaction with oligo(acryloyl carbonate)-poly(ethylene glycol)-oligo(acryloyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 552 Td (glycol)-	2.4	68
40	Reduction-sensitive degradable micellar nanoparticles as smart and intuitive delivery systems for cancer chemotherapy. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 1109-1122.	2.4	68
41	Reduction-Responsive Polymeric Micelles and Vesicles for Triggered Intracellular Drug Release. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 755-767.	2.5	64
42	pH-Responsive Chimaeric Pepsomes Based on Asymmetric Poly(ethylene) Copolymer for Efficient Loading and Active Intracellular Delivery of Doxorubicin Hydrochloride. <i>Biomacromolecules</i> , 2015, 16, 1322-1330.	2.6	61
43	A Simple and Versatile Synthetic Strategy to Functional Polypeptides via Vinyl Sulfone-Substituted Cysteine-N-Carboxyanhydride. <i>Macromolecules</i> , 2013, 46, 6723-6730.	2.2	56
44	Efficient and Targeted Suppression of Human Lung Tumor Xenografts in Mice with Methotrexate Sodium Encapsulated in All-Function-One Chimeric Polymersomes. <i>Advanced Materials</i> , 2016, 28, 8234-8239.	11.1	56
45	Facilely prepared composites of polyelectrolytes and graphene as the sensing materials for the detection of very low humidity. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 51-58.	4.0	55
46	Bioresponsive and fluorescent hyaluronic acid-iodixanol nanogels for targeted X-ray computed tomography imaging and chemotherapy of breast tumors. <i>Journal of Controlled Release</i> , 2016, 244, 229-239.	4.8	54
47	Robust, Responsive, and Targeted PLGA Anticancer Nanomedicines by Combination of Reductively Cleavable Surfactant and Covalent Hyaluronic Acid Coating. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3985-3994.	4.0	52
48	Robust and smart polypeptide-based nanomedicines for targeted tumor therapy. <i>Advanced Drug Delivery Reviews</i> , 2020, 160, 199-211.	6.6	52
49	Polytyrosine nanoparticles enable ultra-high loading of doxorubicin and rapid enzyme-responsive drug release. <i>Biomaterials Science</i> , 2018, 6, 1526-1534.	2.6	51
50	PEG-Amine-Initiated Polymerization of Sarcosine Thiocarboxyanhydrides Toward Novel Double-Hydrophilic PEG-Polysarcosine Diblock Copolymers. <i>Macromolecular Rapid Communications</i> , 2014, 35, 875-881.	2.0	50
51	Glutathione-Sensitive Hyaluronic Acid-Mercaptopurine Prodrug Linked via Carbonyl Vinyl Sulfide: A Robust and CD44-Targeted Nanomedicine for Leukemia. <i>Biomacromolecules</i> , 2017, 18, 3207-3214.	2.6	50
52	Small, Traceable, Endosome-Disrupting, and Bioresponsive Click Nanogels Fabricated via Microfluidics for CD44-Targeted Cytoplasmic Delivery of Therapeutic Proteins. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22171-22180.	4.0	49
53	cRGD/TAT Dual-Ligand Reversibly Cross-Linked Micelles Loaded with Docetaxel Penetrate Deeply into Tumor Tissue and Show High Antitumor Efficacy in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35651-35663.	4.0	48
54	Difluoroboron-Enabled Thermally Activated Delayed Fluorescence. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32209-32217.	4.0	46

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55	Exciton- and Polaron-Induced Reversible Dipole Reorientation in Amorphous Organic Semiconductor Films. <i>Advanced Optical Materials</i> , 2019, 7, 1801644.	3.6	44
56	Robust, active tumor-targeting and fast bioresponsive anticancer nanotherapeutics based on natural endogenous materials. <i>Acta Biomaterialia</i> , 2016, 45, 223-233.	4.1	43
57	Lipopepsomes: A novel and robust family of nano-vesicles capable of highly efficient encapsulation and tumor-targeted delivery of doxorubicin hydrochloride in vivo. <i>Journal of Controlled Release</i> , 2018, 272, 107-113.	4.8	43
58	A high fluorescence rate is key for stable blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7728-7733.	2.7	43
59	Selective Cell Penetrating Peptide-Functionalized Polymersomes Mediate Efficient and Targeted Delivery of Methotrexate Disodium to Human Lung Cancer In Vivo. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701135.	3.9	41
60	Construction of Small-Sized, Robust, and Reduction-Responsive Polypeptide Micelles for High Loading and Targeted Delivery of Chemotherapeutics. <i>Biomacromolecules</i> , 2018, 19, 3586-3593.	2.6	37
61	Prediction of Intramolecular Charge-Transfer Excitation for Thermally Activated Delayed Fluorescence Molecules from a Descriptor-Tuned Density Functional. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7816-7823.	1.5	36
62	Saporin-loaded CD44 and EGFR dual-targeted nanogels for potent inhibition of metastatic breast cancer in vivo. <i>International Journal of Pharmaceutics</i> , 2019, 560, 57-64.	2.6	36
63	Selective Cell Penetrating Peptide-Functionalized Envelope-Type Chimeric Lipopepsomes Boost Systemic RNAi Therapy for Lung Tumors. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900500.	3.9	36
64	Glutathione-Sensitive Hyaluronic Acid-SS-Mertansine Prodrug with a High Drug Content: Facile Synthesis and Targeted Breast Tumor Therapy. <i>Biomacromolecules</i> , 2016, 17, 3602-3608.	2.6	35
65	Small-Sized and Robust Chimaeric Lipopepsomes: A Simple and Functional Platform with High Protein Loading for Targeted Intracellular Delivery of Protein Toxin in Vivo. <i>Chemistry of Materials</i> , 2018, 30, 6831-6838.	3.2	35
66	Vitamin E-Oligo(methyl diglycol α -glutamate) as a Biocompatible and Functional Surfactant for Facile Preparation of Active Tumor-Targeting PLGA Nanoparticles. <i>Biomacromolecules</i> , 2016, 17, 2367-2374.	2.6	34
67	Biodegradable Micelles Based on Poly(ethylene glycol)-b-polylipopeptide Copolymer: A Robust and Versatile NanoplatforM for Anticancer Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27587-27595.	4.0	34
68	Oncoprotein Inhibitor Rigosertib Loaded in ApoE-Targeted Smart Polymersomes Reveals High Safety and Potency against Human Glioblastoma in Mice. <i>Molecular Pharmaceutics</i> , 2019, 16, 3711-3719.	2.3	32
69	Brain delivery of Plk1 inhibitor via chimaeric polypeptide polymersomes for safe and superb treatment of orthotopic glioblastoma. <i>Journal of Controlled Release</i> , 2021, 329, 1139-1149.	4.8	29
70	Tailor-Making Fluorescent Hyaluronic Acid Microgels via Combining Microfluidics and Photoclick Chemistry for Sustained and Localized Delivery of Herceptin in Tumors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3929-3937.	4.0	28
71	Cancer Nanomedicines Based on Synthetic Polypeptides. <i>Biomacromolecules</i> , 2019, 20, 4299-4311.	2.6	27
72	High Fluorescence Rate of Thermally Activated Delayed Fluorescence Emitters for Efficient and Stable Blue OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31706-31715.	4.0	27

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73	Facile Synthesis of Reductively Degradable Biopolymers Using Cystamine Diisocyanate as a Coupling Agent. <i>Biomacromolecules</i> , 2016, 17, 882-890.	2.6	25
74	Reductively cleavable polymer-drug conjugates based on dendritic polyglycerol sulfate and monomethyl auristatin E as anticancer drugs. <i>Journal of Controlled Release</i> , 2019, 300, 13-21.	4.8	25
75	Targeted inhibition of human hematological cancers <i>in vivo</i> by doxorubicin encapsulated in smart lipoic acid-crosslinked hyaluronic acid nanoparticles. <i>Drug Delivery</i> , 2017, 24, 1482-1490.	2.5	24
76	α -integrin-targeted micellar mertansine prodrug effectively inhibits triple-negative breast cancer <i>in vivo</i> . <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7913-7921.	3.3	24
77	cRGD-installed docetaxel-loaded mertansine prodrug micelles: redox-triggered ratiometric dual drug release and targeted synergistic treatment of B16F10 melanoma. <i>Nanotechnology</i> , 2017, 28, 295103.	1.3	24
78	CD44-Targeted Multifunctional Nanomedicines Based on a Single-Component Hyaluronic Acid Conjugate with All-Natural Precursors: Construction and Treatment of Metastatic Breast Tumors <i>in Vivo</i> . <i>Biomacromolecules</i> , 2020, 21, 104-113.	2.6	23
79	Efficient and Stable Organic Light-Emitting Diodes Employing Indolo[2,3- <i>b</i>]indole-Based Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6127-6136.	4.0	23
80	Improving the Stability of Green Thermally Activated Delayed Fluorescence OLEDs by Reducing the Excited-State Dipole Moment. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29875-29883.	1.5	22
81	A composite of quaternized and crosslinked poly(4-vinylpyridine) with processable polypyrrole for the construction of humidity sensors with improved sensing properties. <i>Synthetic Metals</i> , 2012, 162, 205-211.	2.1	19
82	Micellar nanoformulation of lipophilized bortezomib: high drug loading, improved tolerability and targeted treatment of triple negative breast cancer. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5658-5667.	2.9	18
83	Doxorubicin Delivered via ApoE-Directed Reduction-Sensitive Polymersomes Potently Inhibit Orthotopic Human Glioblastoma Xenografts in Nude Mice. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 4105-4115.	3.3	18
84	Pyrazine-Based Blue Thermally Activated Delayed Fluorescence Materials: Combine Small Singlet-Triplet Splitting With Large Fluorescence Rate. <i>Frontiers in Chemistry</i> , 2019, 7, 312.	1.8	17
85	Cyclic RGD-Peptide-Functionalized Polylipopeptide Micelles for Enhanced Loading and Targeted Delivery of Monomethyl Auristatin E. <i>Molecular Pharmaceutics</i> , 2018, 15, 4854-4861.	2.3	16
86	Nanoagents Based on Poly(ethylene glycol)-Poly(L-thyroxine) Block Copolypeptide for Enhanced Dual-Modality Imaging and Targeted Tumor Radiotherapy. <i>Small</i> , 2019, 15, e1902577.	5.2	15
87	Vascularization of collagen-chitosan scaffolds with circulating progenitor cells as potential site for islet transplantation. <i>Journal of Controlled Release</i> , 2011, 152, e196-e198.	4.8	14
88	Integrated Multifunctional Micelles Co-Assembled from Polypeptides Conjugated with Natural Ferulic Acid and Lipoic Acid for Doxorubicin Delivery. <i>ChemPhysChem</i> , 2018, 19, 2070-2077.	1.0	14
89	Expanding the hole delocalization range in excited molecules for stable organic light-emitting diodes employing thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10021-10030.	2.7	14
90	White light emission of multi-chromophore photoluminescent nanoparticles using polyacrylate scaffold copolymers with pendent polyfluorene groups. <i>Polymer Chemistry</i> , 2014, 5, 5109.	1.9	13

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91	Enzyme-responsive micellar JQ1 induces enhanced BET protein inhibition and immunotherapy of malignant tumors. <i>Biomaterials Science</i> , 2021, 9, 6915-6926.	2.6	13
92	Application of Chitosan-Based Biomaterials for Blood Vessel Regeneration. <i>Macromolecular Symposia</i> , 2010, 297, 138-146.	0.4	12
93	Photoluminescent nanoparticles in water with tunable emission for coating and ink-jet printing. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3666-3675.	2.7	11
94	Weakly Conjugated Phosphine Oxide Hosts for Efficient Blue Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30591-30599.	4.0	11
95	Phenylboronic Acid-Functionalized Copolypeptides: Facile Synthesis and Responsive Dual Anticancer Drug Release. <i>Biomacromolecules</i> , 2022, 23, 2989-2998.	2.6	10
96	Chimaeric polymersomes based on poly(ethylene glycol)- b -poly(l -leucine)- b -poly(l -glutamic acid) for efficient delivery of doxorubicin hydrochloride into drug-resistant cancer cells. <i>Journal of Controlled Release</i> , 2015, 213, e87-e88.	4.8	6
97	Amphiphilic Copolymers of Polyfluorene Methacrylates Exhibiting Tunable Emissions for Ink-Jet Printing. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1352-1356.	2.0	6
98	Targeted and Reduction-Sensitive Cross-Linked PLGA Nanotherapeutics for Safer and Enhanced Chemotherapy of Malignant Melanoma. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2621-2629.	2.6	6
99	Functionalization of soft materials for cardiac repair and regeneration. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 451-468.	5.1	3
100	Poly(ethylene oxide)-graft-methotrexate Macromolecular Drugs Conjugating via Aminopteridine Ring Exhibit Potent Anticancer Activity. <i>Chinese Journal of Chemistry</i> , 2014, 32, 57-65.	2.6	1
101	Novel reversibly crosslinked chimaeric polypeptide polymersomes for active loading and intracellular release of doxorubicin hydrochloride. <i>Journal of Controlled Release</i> , 2015, 213, e56-e57.	4.8	0
102	Coating-Sheddable CD44-Targeted Poly(d, l -lactide-co-glycolide) Nanomedicines Fabricated by Using Photoclickable Crosslinkable Surfactant. <i>Advanced Therapeutics</i> , 2020, 3, 1900160.	1.6	0