Pengcheng Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Supramolecular Nanostructures Formed by Anticancer Drug Assembly. Journal of the American Chemical Society, 2013, 135, 2907-2910.	13.7	477
2	Cancer ellâ€Biomimetic Nanoparticles for Targeted Therapy of Homotypic Tumors. Advanced Materials, 2016, 28, 9581-9588.	21.0	458
3	Acid-Activatable Versatile Micelleplexes for PD-L1 Blockade-Enhanced Cancer Photodynamic Immunotherapy. Nano Letters, 2016, 16, 5503-5513.	9.1	356
4	Preparation and Application of Cell Membrane-Camouflaged Nanoparticles for Cancer Therapy. Theranostics, 2017, 7, 2575-2592.	10.0	219
5	Recent Progress in Light-Triggered Nanotheranostics for Cancer Treatment. Theranostics, 2016, 6, 948-968.	10.0	182
6	Self-Assembled Tat Nanofibers as Effective Drug Carrier and Transporter. ACS Nano, 2013, 7, 5965-5977.	14.6	177
7	Long Circulation Redâ€Bloodâ€Cellâ€Mimetic Nanoparticles with Peptideâ€Enhanced Tumor Penetration for Simultaneously Inhibiting Growth and Lung Metastasis of Breast Cancer. Advanced Functional Materials, 2016, 26, 1243-1252.	14.9	177
8	Enhanced Blood Suspensibility and Laser-Activated Tumor-specific Drug Release of Theranostic Mesoporous Silica Nanoparticles by Functionalizing with Erythrocyte Membranes. Theranostics, 2017, 7, 523-537.	10.0	162
9	Bioinspired Nanoparticles with NIRâ€Controlled Drug Release for Synergetic Chemophotothermal Therapy of Metastatic Breast Cancer. Advanced Functional Materials, 2016, 26, 7495-7506.	14.9	144
10	Transferrin-conjugated polyphosphoester hybrid micelle loading paclitaxel for brain-targeting delivery: Synthesis, preparation and in vivo evaluation. Journal of Controlled Release, 2012, 159, 429-434.	9.9	133
11	Electrostatic-Driven Lamination and Untwisting of Î ² -Sheet Assemblies. ACS Nano, 2016, 10, 880-888.	14.6	133
12	Peptide-based nanoprobes for molecular imaging and disease diagnostics. Chemical Society Reviews, 2018, 47, 3490-3529.	38.1	127
13	Tuning Cellular Uptake of Molecular Probes by Rational Design of Their Assembly into Supramolecular Nanoprobes. Journal of the American Chemical Society, 2016, 138, 3533-3540.	13.7	125
14	Supramolecular filaments containing a fixed 41% paclitaxel loading. Chemical Communications, 2013, 49, 4968.	4.1	124
15	Nanomedicineâ€Based Immunotherapy for the Treatment of Cancer Metastasis. Advanced Materials, 2019, 31, e1904156.	21.0	120
16	Preclinical development of drug delivery systems for paclitaxel-based cancer chemotherapy. Journal of Controlled Release, 2017, 267, 100-118.	9.9	119
17	Regulating cancer associated fibroblasts with losartan-loaded injectable peptide hydrogel to potentiate chemotherapy in inhibiting growth and lung metastasis of triple negative breast cancer. Biomaterials, 2017, 144, 60-72.	11.4	111
18	Inflammatory Monocytes Loading Protease-Sensitive Nanoparticles Enable Lung Metastasis Targeting and Intelligent Drug Release for Anti-Metastasis Therapy. Nano Letters, 2017, 17, 5546-5554.	9.1	107

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19	Transferrin-Modified c[RGDfK]-Paclitaxel Loaded Hybrid Micelle for Sequential Blood-Brain Barrier Penetration and Glioma Targeting Therapy. Molecular Pharmaceutics, 2012, 9, 1590-1598.	4.6	103
20	Multiwalled Nanotubes Formed by Catanionic Mixtures of Drug Amphiphiles. ACS Nano, 2014, 8, 12690-12700.	14.6	98
21	Linker-determined drug release mechanism of free camptothecin from self-assembling drug amphiphiles. Chemical Communications, 2014, 50, 6039-6042.	4.1	95
22	Cellular Uptake and Cytotoxicity of Drug–Peptide Conjugates Regulated by Conjugation Site. Bioconjugate Chemistry, 2013, 24, 604-613.	3.6	92
23	Controlled release of free doxorubicin from peptide–drug conjugates by drug loading. Journal of Controlled Release, 2014, 191, 123-130.	9.9	92
24	Self-assembly of natural and synthetic drug amphiphiles into discrete supramolecular nanostructures. Faraday Discussions, 2013, 166, 285.	3.2	78
25	Design and Construction of Supramolecular Nanobeacons for Enzyme Detection. ACS Nano, 2013, 7, 4924-4932.	14.6	78
26	Engineering autologous tumor cell vaccine to locally mobilize antitumor immunity in tumor surgical bed. Science Advances, 2020, 6, eaba4024.	10.3	78
27	T lymphocyte membrane-decorated epigenetic nanoinducer of interferons for cancer immunotherapy. Nature Nanotechnology, 2021, 16, 1271-1280.	31.5	75
28	Traceable Bioinspired Nanoparticle for the Treatment of Metastatic Breast Cancer via NIRâ€Trigged Intracellular Delivery of Methylene Blue and Cisplatin. Advanced Materials, 2018, 30, e1802378.	21.0	73
29	Dual Peptide Conjugation Strategy for Improved Cellular Uptake and Mitochondria Targeting. Bioconjugate Chemistry, 2015, 26, 71-77.	3.6	72
30	Light-Activated Core–Shell Nanoparticles for Spatiotemporally Specific Treatment of Metastatic Triple-Negative Breast Cancer. ACS Nano, 2018, 12, 2789-2802.	14.6	64
31	Smart Nanosized Drug Delivery Systems Inducing Immunogenic Cell Death for Combination with Cancer Immunotherapy. Accounts of Chemical Research, 2020, 53, 1761-1772.	15.6	64
32	In vitro and in vivo evaluation of donepezil-sustained release microparticles for the treatment of Alzheimer's disease. Biomaterials, 2007, 28, 1882-1888.	11.4	58
33	The role of critical micellization concentration in efficacy and toxicity of supramolecular polymers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4518-4526.	7.1	58
34	Supramolecular Crafting of Self-Assembling Camptothecin Prodrugs with Enhanced Efficacy against Primary Cancer Cells. Theranostics, 2016, 6, 1065-1074.	10.0	56
35	Self-assembling and self-formulating prodrug hydrogelator extends survival in a glioblastoma resection and recurrence model. Journal of Controlled Release, 2020, 319, 311-321.	9.9	53
36	Nanotherapeutic systems for local treatment of brain tumors. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1479.	6.1	51

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37	Poly(ε-caprolactone)-Block-poly(ethyl Ethylene Phosphate) Micelles for Brain-Targeting Drug Delivery: In Vitro and In Vivo Valuation. Pharmaceutical Research, 2010, 27, 2657-2669.	3.5	50
38	Enhanced Cellular Entry and Efficacy of Tat Conjugates by Rational Design of the Auxiliary Segment. Molecular Pharmaceutics, 2014, 11, 964-973.	4.6	50
39	Recent advances in nanosized drug delivery systems for overcoming the barriers to anti-PD immunotherapy of cancer. Nano Today, 2019, 29, 100801.	11.9	48
40	Ly6C ^{hi} Monocytes Delivering pHâ€5ensitive Micelle Loading Paclitaxel Improve Targeting Therapy of Metastatic Breast Cancer. Advanced Functional Materials, 2017, 27, 1701093.	14.9	46
41	Bioreducible poly (β-amino esters)/shRNA complex nanoparticles for efficient RNA delivery. Journal of Controlled Release, 2011, 151, 35-44.	9.9	45
42	π–π Stacking Mediated Chirality in Functional Supramolecular Filaments. Macromolecules, 2016, 49, 994-1001.	4.8	41
43	Hepatocellular Carcinoma Growth Retardation and PD-1 Blockade Therapy Potentiation with Synthetic High-density Lipoprotein. Nano Letters, 2019, 19, 5266-5276.	9.1	40
44	Walking Dead Tumor Cells for Targeted Drug Delivery Against Lung Metastasis of Tripleâ€Negative Breast Cancer. Advanced Materials, 2022, 34, .	21.0	34
45	Supramolecular Antagonists Promote Mitochondrial Dysfunction. Nano Letters, 2021, 21, 5730-5737.	9.1	30
46	Light-controllable charge-reversal nanoparticles with polyinosinic-polycytidylic acid for enhancing immunotherapy of triple negative breast cancer. Acta Pharmaceutica Sinica B, 2022, 12, 353-363.	12.0	27
47	Activatable nanoprobes for biomolecular detection. Current Opinion in Biotechnology, 2015, 34, 171-179.	6.6	26
48	Recent Progress in the Design and Application of Supramolecular Peptide Hydrogels in Cancer Therapy. Advanced Healthcare Materials, 2021, 10, e2001239.	7.6	25
49	Nanoparticle approaches to combating drug resistance. Future Medicinal Chemistry, 2015, 7, 1503-1510.	2.3	24
50	Injectable peptide hydrogel as intraperitoneal triptolide depot for the treatment of orthotopic hepatocellular carcinoma. Acta Pharmaceutica Sinica B, 2019, 9, 1050-1060.	12.0	23
51	Targeting Tumors with Small Molecule Peptides. Current Cancer Drug Targets, 2016, 16, 489-508.	1.6	22
52	Recent progress in supramolecular peptide assemblies as virus mimics for cancer immunotherapy. Biomaterials Science, 2020, 8, 1045-1057.	5.4	20
53	High-density lipoprotein modulates tumor-associated macrophage for chemoimmunotherapy of hepatocellular carcinoma. Nano Today, 2021, 37, 101064.	11.9	20
54	Folate-PEG modified poly(2-(2-aminoethoxy)ethoxy)phosphazene/DNA nanoparticles for gene delivery: Synthesis, preparation and in vitro transfection efficiency. International Journal of Pharmaceutics, 2010, 392, 241-248.	5.2	19

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55	Nanovaccineâ€Mediated Cell Selective Delivery of Neoantigens Potentiating Adoptive Dendritic Cell Transfer for Personalized Immunization. Advanced Functional Materials, 2021, 31, 2104068.	14.9	19
56	Gremlin1 is a therapeutically targetable FGFR1 ligand that regulates lineage plasticity and castration resistance in prostate cancer. Nature Cancer, 2022, 3, 565-580.	13.2	18
57	Design and assembly of supramolecular dual-modality nanoprobes. Nanoscale, 2015, 7, 9462-9466.	5.6	16
58	Pharmacokinetics in Rats and Efficacy in Murine Ovarian Cancer Model for Solid Lipid Nanoparticles Loading Docetaxel. Journal of Nanoscience and Nanotechnology, 2010, 10, 7541-7544.	0.9	15
59	Lenvatinib- and vadimezan-loaded synthetic high-density lipoprotein for combinational immunochemotherapy of metastatic triple-negative breast cancer. Acta Pharmaceutica Sinica B, 2022, 12, 3726-3738.	12.0	15
60	Self-assembling mertansine prodrug improves tolerability and efficacy of chemotherapy against metastatic triple-negative breast cancer. Journal of Controlled Release, 2020, 318, 234-245.	9.9	10
61	Rational Coarse-Grained Molecular Dynamics Simulations of Supramolecular Anticancer Nanotubes. Journal of Physical Chemistry B, 2019, 123, 10582-10593.	2.6	9
62	Chemical antagonism between photodynamic agents and chemotherapeutics: mechanism and avoidance. Chemical Communications, 2017, 53, 12438-12441.	4.1	8
63	Erythrocyte-mediated systemic immunotherapy. Nature Biomedical Engineering, 2021, 5, 385-386.	22.5	1