

Pengcheng Zhang

List of Publications by Year in descending order

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63
papers

5,490
citations

71061

41
h-index

114418

63
g-index

63
all docs

63
docs citations

63
times ranked

7087
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Nanostructures Formed by Anticancer Drug Assembly. <i>Journal of the American Chemical Society</i> , 2013, 135, 2907-2910.	6.6	477
2	Cancer-Cell-Biomimetic Nanoparticles for Targeted Therapy of Homotypic Tumors. <i>Advanced Materials</i> , 2016, 28, 9581-9588.	11.1	458
3	Acid-Activatable Versatile Micelleplexes for PD-L1 Blockade-Enhanced Cancer Photodynamic Immunotherapy. <i>Nano Letters</i> , 2016, 16, 5503-5513.	4.5	356
4	Preparation and Application of Cell Membrane-Camouflaged Nanoparticles for Cancer Therapy. <i>Theranostics</i> , 2017, 7, 2575-2592.	4.6	219
5	Recent Progress in Light-Triggered Nanotheranostics for Cancer Treatment. <i>Theranostics</i> , 2016, 6, 948-968.	4.6	182
6	Self-Assembled Tat Nanofibers as Effective Drug Carrier and Transporter. <i>ACS Nano</i> , 2013, 7, 5965-5977.	7.3	177
7	Long Circulation Red-Blood-Cell-Mimetic Nanoparticles with Peptide-Enhanced Tumor Penetration for Simultaneously Inhibiting Growth and Lung Metastasis of Breast Cancer. <i>Advanced Functional Materials</i> , 2016, 26, 1243-1252.	7.8	177
8	Enhanced Blood Susceptibility and Laser-Activated Tumor-specific Drug Release of Theranostic Mesoporous Silica Nanoparticles by Functionalizing with Erythrocyte Membranes. <i>Theranostics</i> , 2017, 7, 523-537.	4.6	162
9	Bioinspired Nanoparticles with NIR-Controlled Drug Release for Synergetic Chemophotothermal Therapy of Metastatic Breast Cancer. <i>Advanced Functional Materials</i> , 2016, 26, 7495-7506.	7.8	144
10	Transferrin-conjugated polyphosphoester hybrid micelle loading paclitaxel for brain-targeting delivery: Synthesis, preparation and in vivo evaluation. <i>Journal of Controlled Release</i> , 2012, 159, 429-434.	4.8	133
11	Electrostatic-Driven Lamination and Untwisting of β -Sheet Assemblies. <i>ACS Nano</i> , 2016, 10, 880-888.	7.3	133
12	Peptide-based nanoprobe for molecular imaging and disease diagnostics. <i>Chemical Society Reviews</i> , 2018, 47, 3490-3529.	18.7	127
13	Tuning Cellular Uptake of Molecular Probes by Rational Design of Their Assembly into Supramolecular Nanoprobes. <i>Journal of the American Chemical Society</i> , 2016, 138, 3533-3540.	6.6	125
14	Supramolecular filaments containing a fixed 41% paclitaxel loading. <i>Chemical Communications</i> , 2013, 49, 4968.	2.2	124
15	Nanomedicine-Based Immunotherapy for the Treatment of Cancer Metastasis. <i>Advanced Materials</i> , 2019, 31, e1904156.	11.1	120
16	Preclinical development of drug delivery systems for paclitaxel-based cancer chemotherapy. <i>Journal of Controlled Release</i> , 2017, 267, 100-118.	4.8	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. <i>Biomaterials</i> , 2017, 144, 60-72.	5.7	111
18	Inflammatory Monocytes Loading Protease-Sensitive Nanoparticles Enable Lung Metastasis Targeting and Intelligent Drug Release for Anti-Metastasis Therapy. <i>Nano Letters</i> , 2017, 17, 5546-5554.	4.5	107

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19	Transferrin-Modified c[RGDFK]-Paclitaxel Loaded Hybrid Micelle for Sequential Blood-Brain Barrier Penetration and Glioma Targeting Therapy. <i>Molecular Pharmaceutics</i> , 2012, 9, 1590-1598.	2.3	103
20	Multiwalled Nanotubes Formed by Catanionic Mixtures of Drug Amphiphiles. <i>ACS Nano</i> , 2014, 8, 12690-12700.	7.3	98
21	Linker-determined drug release mechanism of free camptothecin from self-assembling drug amphiphiles. <i>Chemical Communications</i> , 2014, 50, 6039-6042.	2.2	95
22	Cellular Uptake and Cytotoxicity of Drugâ€“Peptide Conjugates Regulated by Conjugation Site. <i>Bioconjugate Chemistry</i> , 2013, 24, 604-613.	1.8	92
23	Controlled release of free doxorubicin from peptideâ€“drug conjugates by drug loading. <i>Journal of Controlled Release</i> , 2014, 191, 123-130.	4.8	92
24	Self-assembly of natural and synthetic drug amphiphiles into discrete supramolecular nanostructures. <i>Faraday Discussions</i> , 2013, 166, 285.	1.6	78
25	Design and Construction of Supramolecular Nanobeacons for Enzyme Detection. <i>ACS Nano</i> , 2013, 7, 4924-4932.	7.3	78
26	Engineering autologous tumor cell vaccine to locally mobilize antitumor immunity in tumor surgical bed. <i>Science Advances</i> , 2020, 6, eaba4024.	4.7	78
27	T lymphocyte membrane-decorated epigenetic nanoinducer of interferons for cancer immunotherapy. <i>Nature Nanotechnology</i> , 2021, 16, 1271-1280.	15.6	75
28	Traceable Bioinspired Nanoparticle for the Treatment of Metastatic Breast Cancer via NIRâ€“Triggered Intracellular Delivery of Methylene Blue and Cisplatin. <i>Advanced Materials</i> , 2018, 30, e1802378.	11.1	73
29	Dual Peptide Conjugation Strategy for Improved Cellular Uptake and Mitochondria Targeting. <i>Bioconjugate Chemistry</i> , 2015, 26, 71-77.	1.8	72
30	Light-Activated Coreâ€“Shell Nanoparticles for Spatiotemporally Specific Treatment of Metastatic Triple-Negative Breast Cancer. <i>ACS Nano</i> , 2018, 12, 2789-2802.	7.3	64
31	Smart Nanosized Drug Delivery Systems Inducing Immunogenic Cell Death for Combination with Cancer Immunotherapy. <i>Accounts of Chemical Research</i> , 2020, 53, 1761-1772.	7.6	64
32	In vitro and in vivo evaluation of donepezil-sustained release microparticles for the treatment of Alzheimer's disease. <i>Biomaterials</i> , 2007, 28, 1882-1888.	5.7	58
33	The role of critical micellization concentration in efficacy and toxicity of supramolecular polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4518-4526.	3.3	58
34	Supramolecular Crafting of Self-Assembling Camptothecin Prodrugs with Enhanced Efficacy against Primary Cancer Cells. <i>Theranostics</i> , 2016, 6, 1065-1074.	4.6	56
35	Self-assembling and self-formulating prodrug hydrogelator extends survival in a glioblastoma resection and recurrence model. <i>Journal of Controlled Release</i> , 2020, 319, 311-321.	4.8	53
36	Nanotherapeutic systems for local treatment of brain tumors. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1479.	3.3	51

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37	Poly(μ -caprolactone)-Block-poly(ethyl Ethylene Phosphate) Micelles for Brain-Targeting Drug Delivery: In Vitro and In Vivo Valuation. <i>Pharmaceutical Research</i> , 2010, 27, 2657-2669.	1.7	50
38	Enhanced Cellular Entry and Efficacy of Tat Conjugates by Rational Design of the Auxiliary Segment. <i>Molecular Pharmaceutics</i> , 2014, 11, 964-973.	2.3	50
39	Recent advances in nanosized drug delivery systems for overcoming the barriers to anti-PD immunotherapy of cancer. <i>Nano Today</i> , 2019, 29, 100801.	6.2	48
40	Ly6C ^{hi} Monocytes Delivering pH-Sensitive Micelle Loading Paclitaxel Improve Targeting Therapy of Metastatic Breast Cancer. <i>Advanced Functional Materials</i> , 2017, 27, 1701093.	7.8	46
41	Bioreducible poly(β -amino esters)/shRNA complex nanoparticles for efficient RNA delivery. <i>Journal of Controlled Release</i> , 2011, 151, 35-44.	4.8	45
42	π - π Stacking Mediated Chirality in Functional Supramolecular Filaments. <i>Macromolecules</i> , 2016, 49, 994-1001.	2.2	41
43	Hepatocellular Carcinoma Growth Retardation and PD-1 Blockade Therapy Potentiation with Synthetic High-density Lipoprotein. <i>Nano Letters</i> , 2019, 19, 5266-5276.	4.5	40
44	Walking Dead Tumor Cells for Targeted Drug Delivery Against Lung Metastasis of Triple-Negative Breast Cancer. <i>Advanced Materials</i> , 2022, 34, .	11.1	34
45	Supramolecular Antagonists Promote Mitochondrial Dysfunction. <i>Nano Letters</i> , 2021, 21, 5730-5737.	4.5	30
46	Light-controllable charge-reversal nanoparticles with polyinosinic-polycytidylic acid for enhancing immunotherapy of triple negative breast cancer. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 353-363.	5.7	27
47	Activatable nanoprobe for biomolecular detection. <i>Current Opinion in Biotechnology</i> , 2015, 34, 171-179.	3.3	26
48	Recent Progress in the Design and Application of Supramolecular Peptide Hydrogels in Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001239.	3.9	25
49	Nanoparticle approaches to combating drug resistance. <i>Future Medicinal Chemistry</i> , 2015, 7, 1503-1510.	1.1	24
50	Injectable peptide hydrogel as intraperitoneal triptolide depot for the treatment of orthotopic hepatocellular carcinoma. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 1050-1060.	5.7	23
51	Targeting Tumors with Small Molecule Peptides. <i>Current Cancer Drug Targets</i> , 2016, 16, 489-508.	0.8	22
52	Recent progress in supramolecular peptide assemblies as virus mimics for cancer immunotherapy. <i>Biomaterials Science</i> , 2020, 8, 1045-1057.	2.6	20
53	High-density lipoprotein modulates tumor-associated macrophage for chemoimmunotherapy of hepatocellular carcinoma. <i>Nano Today</i> , 2021, 37, 101064.	6.2	20
54	Folate-PEG modified poly(2-(2-aminoethoxy)ethoxy)phosphazene/DNA nanoparticles for gene delivery: Synthesis, preparation and in vitro transfection efficiency. <i>International Journal of Pharmaceutics</i> , 2010, 392, 241-248.	2.6	19

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55	Nanovaccine-Mediated Cell Selective Delivery of Neoantigens Potentiating Adoptive Dendritic Cell Transfer for Personalized Immunization. <i>Advanced Functional Materials</i> , 2021, 31, 2104068.	7.8	19
56	Gremlin1 is a therapeutically targetable FGFR1 ligand that regulates lineage plasticity and castration resistance in prostate cancer. <i>Nature Cancer</i> , 2022, 3, 565-580.	5.7	18
57	Design and assembly of supramolecular dual-modality nanoprobe. <i>Nanoscale</i> , 2015, 7, 9462-9466.	2.8	16
58	Pharmacokinetics in Rats and Efficacy in Murine Ovarian Cancer Model for Solid Lipid Nanoparticles Loading Docetaxel. <i>Journal of Nanoscience and Nanotechnology</i> , 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. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 3726-3738.	5.7	15
60	Self-assembling mertansine prodrug improves tolerability and efficacy of chemotherapy against metastatic triple-negative breast cancer. <i>Journal of Controlled Release</i> , 2020, 318, 234-245.	4.8	10
61	Rational Coarse-Grained Molecular Dynamics Simulations of Supramolecular Anticancer Nanotubes. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10582-10593.	1.2	9
62	Chemical antagonism between photodynamic agents and chemotherapeutics: mechanism and avoidance. <i>Chemical Communications</i> , 2017, 53, 12438-12441.	2.2	8
63	Erythrocyte-mediated systemic immunotherapy. <i>Nature Biomedical Engineering</i> , 2021, 5, 385-386.	11.6	1