Shutao Guo

List of Publications by Year in descending order

56 papers	3,658 citations	136950 32 h-index	149698 56 g-index
57 all docs	57 docs citations	57 times ranked	5596 citing authors

#	Article	IF	Citations
1	Spatiotemporal Tracing of the Cellular Internalization Process of Rod-Shaped Nanostructures. ACS Nano, 2022, 16, 4059-4071.	14.6	12
2	Self-Assembly of Podophyllotoxin-Loaded Lipid Bilayer Nanoparticles for Highly Effective Chemotherapy and Immunotherapy via Downregulation of Programmed Cell Death Ligand 1 Production. ACS Nano, 2022, 16, 3943-3954.	14.6	14
3	Carrier strategies boost the application of CRISPR/Cas system in gene therapy. Exploration, 2022, 2, .	11.0	30
4	Intra-Articular injection of acid-sensitive stearoxyl-ketal-dexamethasone microcrystals for long-acting arthritis therapy. Asian Journal of Pharmaceutical Sciences, 2021, 16, 213-221.	9.1	7
5	Self-Propelled and Near-Infrared-Phototaxic Photosynthetic Bacteria as Photothermal Agents for Hypoxia-Targeted Cancer Therapy. ACS Nano, 2021, 15, 1100-1110.	14.6	48
6	Acid-sensitive PEGylated cabazitaxel prodrugs for antitumor therapy. Chinese Chemical Letters, 2021, 32, 1751-1754.	9.0	15
7	Temperature-Sensitive Lipid-Coated Carbon Nanotubes for Synergistic Photothermal Therapy and Gene Therapy. ACS Nano, 2021, 15, 6517-6529.	14.6	129
8	Modular ketal-linked prodrugs and biomaterials enabled by organocatalytic transisopropenylation of alcohols. Nature Communications, 2021, 12, 5532.	12.8	15
9	Graphene Oxide/Chitosan/Hydroxyapatite Composite Membranes Enhance Osteoblast Adhesion and Guided Bone Regeneration. ACS Applied Bio Materials, 2021, 4, 8049-8059.	4.6	10
10	Acid-sensitive PEGylated paclitaxel prodrug nanoparticles for cancer therapy: Effect of PEG length on antitumor efficacy. Journal of Controlled Release, 2020, 326, 265-275.	9.9	41
11	Interaction kinetics of peptide lipids-mediated gene delivery. Journal of Nanobiotechnology, 2020, 18, 144.	9.1	6
12	Dually Enzyme- and Acid-Triggered Self-Immolative Ketal Glycoside Nanoparticles for Effective Cancer Prodrug Monotherapy. Nano Letters, 2020, 20, 5465-5472.	9.1	37
13	Modular Acid-Activatable Acetone-Based Ketal-Linked Nanomedicine by Dexamethasone Prodrugs for Enhanced Anti-Rheumatoid Arthritis with Low Side Effects. Nano Letters, 2020, 20, 2558-2568.	9.1	64
14	Synthesis of Poly(acyclic orthoester)s: Acidâ€Sensitive Biomaterials for Enhancing Immune Responses of Protein Vaccine. Angewandte Chemie, 2020, 132, 7302-7306.	2.0	2
15	Synthesis of Poly(acyclic orthoester)s: Acidâ€Sensitive Biomaterials for Enhancing Immune Responses of Protein Vaccine. Angewandte Chemie - International Edition, 2020, 59, 7235-7239.	13.8	19
16	Acid-Triggered Release of Native Gemcitabine Conjugated in Polyketal Nanoparticles for Enhanced Anticancer Therapy. Biomacromolecules, 2020, 21, 803-814.	5.4	27
17	Axial modification inhibited H-aggregation of phthalocyanines in polymeric micelles for enhanced PDT efficacy. Chemical Communications, 2018, 54, 3985-3988.	4.1	36
18	Nanoformulations for combination or cascade anticancer therapy. Advanced Drug Delivery Reviews, 2017, 115, 3-22.	13.7	145

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19	Nanoparticulate Cancer-Starvation Therapy. CheM, 2017, 2, 168-170.	11.7	15
20	Extended Release of Native Drug Conjugated in Polyketal Microparticles. Journal of the American Chemical Society, 2016, 138, 6127-6130.	13.7	41
21	Treatment of otitis media by transtympanic delivery of antibiotics. Science Translational Medicine, 2016, 8, 356ra120.	12.4	61
22	PolyMetformin combines carrier and anticancer activities for in vivo siRNA delivery. Nature Communications, 2016, 7, 11822.	12.8	133
23	Systemic and tumor-targeted delivery of siRNA by cyclic NGR and isoDGR motif-containing peptides. Biomaterials Science, 2016, 4, 494-510.	5.4	21
24	Phototriggered Local Anesthesia. Nano Letters, 2016, 16, 177-181.	9.1	78
25	Nanoparticles containing insoluble drug for cancer therapy. Biotechnology Advances, 2014, 32, 778-788.	11.7	127
26	Contribution of hydrophobic/hydrophilic modification on cationic chains of poly(Îµ-caprolactone)-graft-poly(dimethylamino ethylmethacrylate) amphiphilic co-polymer in gene delivery. Acta Biomaterialia, 2014, 10, 670-679.	8.3	30
27	Nanoparticles with Precise Ratiometric Coâ€Loading and Coâ€Delivery of Gemcitabine Monophosphate and Cisplatin for Treatment of Bladder Cancer. Advanced Functional Materials, 2014, 24, 6601-6611.	14.9	154
28	Improving the oral delivery efficiency of anticancer drugs by chitosan coated polycaprolactone-grafted hyaluronic acid nanoparticles. Journal of Materials Chemistry B, 2014, 2, 4021-4033.	5.8	64
29	Synergistic anti-tumor effects of combined gemcitabine and cisplatin nanoparticles in a stroma-rich bladder carcinoma model. Journal of Controlled Release, 2014, 182, 90-96.	9.9	105
30	Unmodified drug used as a material to construct nanoparticles: delivery of cisplatin for enhanced anti-cancer therapy. Journal of Controlled Release, 2014, 174, 137-142.	9.9	71
31	Co-delivery of Cisplatin and Rapamycin for Enhanced Anticancer Therapy through Synergistic Effects and Microenvironment Modulation. ACS Nano, 2014, 8, 4996-5009.	14.6	163
32	Turning a water and oil insoluble cisplatin derivative into a nanoparticle formulation for cancer therapy. Biomaterials, 2014, 35, 7647-7653.	11.4	22
33	Incorporation of histone derived recombinant protein for enhanced disassembly of core-membrane structured liposomal nanoparticles for efficient siRNA delivery. Journal of Controlled Release, 2013, 172, 179-189.	9.9	28
34	Polycation-detachable nanoparticles self-assembled from mPEG-PCL-g-SS-PDMAEMA for in vitro and in vivo siRNA delivery. Acta Biomaterialia, 2013, 9, 7746-7757.	8.3	60
35	Intravenous Delivery of siRNA Targeting CD47 Effectively Inhibits Melanoma Tumor Growth and Lung Metastasis. Molecular Therapy, 2013, 21, 1919-1929.	8.2	165
36	Lipid-Coated Cisplatin Nanoparticles Induce Neighboring Effect and Exhibit Enhanced Anticancer Efficacy. ACS Nano, 2013, 7, 9896-9904.	14.6	125

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37	Multifunctional nanoparticles co-delivering Trp2 peptide and CpG adjuvant induce potent cytotoxic T-lymphocyte response against melanoma and its lung metastasis. Journal of Controlled Release, 2013, 172, 259-265.	9.9	199
38	Gene transfection efficacy and biocompatibility of polycation/DNA complexes coated with enzyme degradable PEGylated hyaluronic acid. Biomaterials, 2013, 34, 6495-6503.	11.4	72
39	Intracellular cleavable poly(2-dimethylaminoethyl methacrylate) functionalized mesoporous silica nanoparticles for efficient siRNA delivery in vitro and in vivo. Nanoscale, 2013, 5, 4291.	5.6	92
40	Investigation on Injectable, Thermally and Physically Gelable Poly(Ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (Glycol)/Poly(O Biomaterials Science, Polymer Edition, 2012, 23, 465-482.	3.5	4
41	Self-assembled cationic triblock copolymer mPEG-b-PDLLA-b-PDMA nanoparticles as nonviral gene vector. Soft Matter, 2012, 8, 2252.	2.7	16
42	Binary and ternary complexes based on polycaprolactone-graft-poly (N, N-dimethylaminoethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	11.4	48
43	Elimination Pathways of Systemically Delivered siRNA. Molecular Therapy, 2011, 19, 381-385.	8.2	125
44	Structural contributions of blocked or grafted poly(2-dimethylaminoethyl methacrylate) on PEGylated polycaprolactone nanoparticles in siRNA delivery. Biomaterials, 2011, 32, 8730-8742.	11.4	62
45	Amphiphilic and biodegradable methoxy polyethylene glycol-block-(polycaprolactone-graft-poly(2-(dimethylamino)ethyl methacrylate)) as an effective gene carrier. Biomaterials, 2011, 32, 879-889.	11.4	97
46	Synthesis and properties of Polycaprolactoneâ€graftâ€poly(2â€(dimethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Polymers for Advanced Technologies, 2011, 22, 1925-1930.	3.2	11
47	Ternary complexes of amphiphilic polycaprolactone-graft-poly (N,N-dimethylaminoethyl methacrylate), DNA and polyglutamic acid-graft-poly(ethylene glycol) for gene delivery. Biomaterials, 2011, 32, 4283-4292.	11.4	79
48	Nanoparticles Escaping RES and Endosome: Challenges for siRNA Delivery for Cancer Therapy. Journal of Nanomaterials, 2011, 2011, 1-12.	2.7	129
49	Poly(Îµâ€caprolactone)â€graftâ€poly(2â€(dimethylamino)ethyl methacrylate) Amphiphilic Copolymers Prepared via a Combination of ROP and ATRP: Synthesis, Characterization, and Selfâ€Assembly Behavior. Macromolecular Chemistry and Physics, 2010, 211, 1572-1578.	2.2	26
50	Enhanced Gene Delivery and siRNA Silencing by Gold Nanoparticles Coated with Charge-Reversal Polyelectrolyte. ACS Nano, 2010, 4, 5505-5511.	14.6	370
51	Thermoreversible gelation of poly(ethylene glycol)/poly(ester anhydride) triblock copolymer nanoparticles for injectable drug delivery systems. Soft Matter, 2010, 6, 1915.	2.7	18
52	Amphiphilic Methoxy Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 152 Td (glycol)-b-poly(Îµ-caprolactone)-b-poly(2 Copolymer Nanoparticles as a Vector for Gene and Drug Delivery. Biomacromolecules, 2010, 11, 2306-2312.	5.4	69
53	Poly(Îµ-caprolactone)-graft-poly(2-(N, N-dimethylamino) ethyl methacrylate) nanoparticles: pH dependent thermo-sensitive multifunctional carriers for gene and drug delivery. Journal of Materials Chemistry, 2010, 20, 6935.	6.7	92
54	Controlled Release of Paclitaxel from Amphiphilic Copolymer Hybrid Assembly Nanoparticles. Journal of Nanoscience and Nanotechnology, 2009, 9, 2030-2037.	0.9	3

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55	Investigation on properties of P((MAA-co-DMAEMA)-g-EG) polyampholyte nanogels. Journal of Nanoparticle Research, 2009, 11, 365-374.	1.9	22
56	Influences of the content of POA on the properties of poly(sebacic acid-octadecanic diacid) copolyanhydrides. Reactive and Functional Polymers, 2008, 68, 1415-1421.	4.1	4