

Shu-Biao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,419
citations

236925

25
h-index

144013

57
g-index

61
all docs

61
docs citations

61
times ranked

6109
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity of cationic lipids and cationic polymers in gene delivery. <i>Journal of Controlled Release</i> , 2006, 114, 100-109.	9.9	1,832
2	Photothermal therapy. <i>Journal of Controlled Release</i> , 2020, 325, 52-71.	9.9	304
3	Cationic compounds used in lipoplexes and polyplexes for gene delivery. <i>Journal of Controlled Release</i> , 2004, 100, 165-180.	9.9	271
4	The Headgroup Evolution of Cationic Lipids for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2013, 24, 487-519.	3.6	216
5	Transfection Efficiency of Cationic Lipids with Different Hydrophobic Domains in Gene Delivery. <i>Bioconjugate Chemistry</i> , 2010, 21, 563-577.	3.6	212
6	Targeting strategies for superparamagnetic iron oxide nanoparticles in cancer therapy. <i>Acta Biomaterialia</i> , 2020, 102, 13-34.	8.3	148
7	Temperature-Sensitive Lipid-Coated Carbon Nanotubes for Synergistic Photothermal Therapy and Gene Therapy. <i>ACS Nano</i> , 2021, 15, 6517-6529.	14.6	129
8	A review on cationic lipids with different linkers for gene delivery. <i>Advances in Colloid and Interface Science</i> , 2018, 253, 117-140.	14.7	107
9	Correlation of the cytotoxic effects of cationic lipids with their headgroups. <i>Toxicology Research</i> , 2018, 7, 473-479.	2.1	89
10	RGD peptide-based non-viral gene delivery vectors targeting integrin $\alpha_3\beta_1$ for cancer therapy. <i>Journal of Drug Targeting</i> , 2019, 27, 1-11.	4.4	83
11	Drug delivery systems based on CD44-targeted glycosaminoglycans for cancer therapy. <i>Carbohydrate Polymers</i> , 2021, 251, 117103.	10.2	69
12	Anti-breast cancer activity of resveratrol encapsulated in liposomes. <i>Journal of Materials Chemistry B</i> , 2020, 8, 27-37.	5.8	49
13	Microneedles for gene and drug delivery in skin cancer therapy. <i>Journal of Controlled Release</i> , 2021, 335, 158-177.	9.9	47
14	NMR studies of water-borne polyurethanes. <i>Journal of Applied Polymer Science</i> , 2003, 90, 257-260.	2.6	46
15	NMR Investigations of Inclusion Complexes between β -Cyclodextrin and Naphthalene/Anthraquinone Derivatives. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 58, 133-138.	1.6	45
16	Stimuli-Responsive Polysaccharide Enveloped Liposome for Targeting and Penetrating Delivery of survivin-shRNA into Breast Tumor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22074-22087.	8.0	42
17	Tri-peptide cationic lipids for gene delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 119-126.	5.8	41
18	Zwitterionic pH-responsive hyaluronic acid polymer micelles for delivery of doxorubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 412-420.	5.0	38

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19	Grafting Chitosan with Polyethylenimine in an Ionic Liquid for Efficient Gene Delivery. <i>PLoS ONE</i> , 2015, 10, e0121817.	2.5	35
20	Synthesis and biological activity of carbamate-linked cationic lipids for gene delivery in vitro. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3837-3841.	2.2	34
21	Co-delivery of paclitaxel and survivin siRNA with cationic liposome for lung cancer therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124054.	4.7	32
22	Carrier strategies boost the application of CRISPR/Cas system in gene therapy. <i>Exploration</i> , 2022, 2, .	11.0	30
23	Novel Gemini cationic lipids with carbamate groups for gene delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2920-2928.	5.8	28
24	Integrin $\alpha 3$ -targeted liposomal drug delivery system for enhanced lung cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 201, 111623.	5.0	28
25	Peptide-based cationic liposome-mediated gene delivery. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 127-139.	5.0	27
26	Reaction study of water-borne polyurethanes based on isophorone diisocyanate, dimethylol propionic acid, and poly(hexane neopentyl adipate glycol). <i>Journal of Applied Polymer Science</i> , 2004, 92, 161-164.	2.6	26
27	Cationic liposomes with folic acid as targeting ligand for gene delivery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4025-4029.	2.2	25
28	Conjugates of small targeting molecules to non-viral vectors for the mediation of siRNA. <i>Acta Biomaterialia</i> , 2016, 36, 21-41.	8.3	25
29	Toxicological exploration of peptide-based cationic liposomes in siRNA delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 66-76.	5.0	24
30	Co-delivery of paclitaxel and anti-VEGF siRNA by tripeptide lipid nanoparticle to enhance the anti-tumor activity for lung cancer therapy. <i>Drug Delivery</i> , 2020, 27, 1397-1411.	5.7	22
31	Effects of sucrose ester structures on liposome-mediated gene delivery. <i>Acta Biomaterialia</i> , 2018, 72, 278-286.	8.3	21
32	pH/reduction dual-responsive hyaluronic acid-podophyllotoxin prodrug micelles for tumor targeted delivery. <i>Carbohydrate Polymers</i> , 2022, 288, 119402.	10.2	21
33	Transmembrane routes of cationic liposome-mediated gene delivery using human throat epidermis cancer cells. <i>Biotechnology Letters</i> , 2014, 36, 1-7.	2.2	19
34	Sucrose ester based cationic liposomes as effective non-viral gene vectors for gene delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 454-461.	5.0	19
35	Tumor immunotherapy and multi-mode therapies mediated by medical imaging of nanoprobes. <i>Theranostics</i> , 2021, 11, 7360-7378.	10.0	18
36	Carbamate-linked cationic lipids with different hydrocarbon chains for gene delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 417-422.	5.0	17

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37	Synergistic effects of 7-O-geranylquercetin and siRNAs on the treatment of human breast cancer. <i>Life Sciences</i> , 2019, 227, 145-152.	4.3	17
38	Thermal and crystalline properties of water-borne polyurethanes based on IPDI, DMPA, and PEBA/HNA. <i>Journal of Applied Polymer Science</i> , 2007, 103, 1936-1941.	2.6	16
39	Replacement of quaternary ammonium headgroups by tri-ornithine in cationic lipids for the improvement of gene delivery in vitro and in vivo. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7963-7973.	5.8	16
40	Lipid and polymer mediated CRISPR/Cas9 gene editing. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4369-4386.	5.8	16
41	Bifunctional cationic solid lipid nanoparticles of $\text{Yb}^{3+}/\text{Er}^{3+}$ upconversion nanoparticles coated with a lipid for bioimaging and gene delivery. <i>RSC Advances</i> , 2017, 7, 26633-26639.	3.6	15
42	Self-Assembly of Podophyllotoxin-Loaded Lipid Bilayer Nanoparticles for Highly Effective Chemotherapy and Immunotherapy via Downregulation of Programmed Cell Death Ligand 1 Production. <i>ACS Nano</i> , 2022, 16, 3943-3954.	14.6	14
43	^1H and ^{13}C NMR investigations of inclusion complexes between β -cyclodextrin and naphthalenediamines/phenol derivatives. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 59, 65-70.	1.6	12
44	Structure-activity relationship of carbamate-linked cationic lipids bearing hydroxyethyl headgroup for gene delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 537-541.	5.0	11
45	pH-sensitive hyaluronic acid-targeted prodrug micelles constructed via a one-step reaction for enhanced chemotherapy. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 489-500.	7.5	11
46	Liposome-based co-delivery of 7-O-geranyl-quercetin and IGF-1R siRNA for the synergistic treatment of non-small cell lung cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101316.	3.0	10
47	Novel carrier-mediated membrane-assisted three-phase liquid-liquid extraction coupled with liquid chromatography-mass spectrometry for the determination of eight biogenic amines in foods. <i>Food Chemistry</i> , 2022, 387, 132857.	8.2	10
48	Novel carbamate-linked quaternary ammonium lipids containing unsaturated hydrophobic chains for gene delivery. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3535-3540.	3.0	9
49	Environmentally benign precipitation copolymerization of methacrylate ester and styrene to make polymeric microspheres in supercritical carbon dioxide. <i>Journal of Applied Polymer Science</i> , 2007, 103, 2425-2431.	2.6	8
50	Dual stimuli-responsive saccharide core based nanocarrier for efficient Birc5-shRNA delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7530-7542.	5.8	6
51	Synthesis of Ag@GQD and their application in photoacoustic imaging and chemical/photothermal combination therapy and bacteriostasis. <i>Journal of Materials Science</i> , 2022, 57, 7056-7067.	3.7	6
52	Structure-activity relationships of pH-responsive and ionizable lipids for gene delivery. <i>International Journal of Pharmaceutics</i> , 2022, 617, 121596.	5.2	4
53	Application of smart-multifunctional nanoprobes in tumor diagnosis and treatment. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3601-3613.	5.8	4
54	Cationic Nanoparticulate System for Codelivery of MicroRNA-424 and Podophyllotoxin as a Multimodal Anticancer Therapy. <i>Molecular Pharmaceutics</i> , 2022, 19, 2092-2104.	4.6	4

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55	Hyaluronic acid prodrug micelles for tumour therapy. <i>Journal of Drug Targeting</i> , 2022, 30, 22-30.	4.4	3
56	pH-sensitive, tail-modified, ester-linked ionizable cationic lipids for gene delivery. , 2022, 139, 212984.		3
57	Dynamic Interfacial Tensions of 1-Phenylalkane Sulfonates. <i>Petroleum Science and Technology</i> , 2004, 22, 1369-1376.	1.5	2
58	Precise in-situ detection of adsorption kinetics based on fiber-optic sensing with a Y-shaped batch vessel. <i>Instrumentation Science and Technology</i> , 2021, 49, 201-215.	1.8	1
59	Phenyltetradecane Sulfonate Isomers for Studying Interfacial Tensions. <i>Petroleum Science and Technology</i> , 2005, 23, 87-94.	1.5	0
60	Preparation of polymer microspheres in supercritical carbon dioxide and their evaluation as cold-flow improvers in diesel. <i>Journal of Applied Polymer Science</i> , 2010, 117, 2749-2753.	2.6	0