

Guping Tang

List of Publications by Year in descending order

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94
papers

4,023
citations

101384

36
h-index

123241

61
g-index

106
all docs

106
docs citations

106
times ranked

5669
citing authors

#	ARTICLE	IF	CITATIONS
1	A Sugar-Functionalized Amphiphilic Pillar[5]arene: Synthesis, Self-Assembly in Water, and Application in Bacterial Cell Agglutination. <i>Journal of the American Chemical Society</i> , 2013, 135, 10310-10313.	6.6	306
2	Engineering Nanoparticle-Coated Bacteria as Oral DNA Vaccines for Cancer Immunotherapy. <i>Nano Letters</i> , 2015, 15, 2732-2739.	4.5	213
3	Bioengineering Bacterial Vesicle-Coated Polymeric Nanomedicine for Enhanced Cancer Immunotherapy and Metastasis Prevention. <i>Nano Letters</i> , 2020, 20, 11-21.	4.5	175
4	Tetraphenylethene-based highly emissive metallacage as a component of theranostic supramolecular nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13720-13725.	3.3	161
5	A pillar[5]arene-based [2]rotaxane lights up mitochondria. <i>Chemical Science</i> , 2016, 7, 3017-3024.	3.7	153
6	Cationic pillar[6]arene/ATP host-guest recognition: selectivity, inhibition of ATP hydrolysis, and application in multidrug resistance treatment. <i>Chemical Science</i> , 2016, 7, 4073-4078.	3.7	139
7	FGFR-targeted gene delivery mediated by supramolecular assembly between β -cyclodextrin-crosslinked PEI and redox-sensitive PEG. <i>Biomaterials</i> , 2013, 34, 6482-6494.	5.7	138
8	A Hybrid Eukaryotic-Prokaryotic Nanoplatfor with Photothermal Modality for Enhanced Antitumor Vaccination. <i>Advanced Materials</i> , 2020, 32, e1908185.	11.1	136
9	Pillar[5]arene-based amphiphilic supramolecular brush copolymers: fabrication, controllable self-assembly and application in self-imaging targeted drug delivery. <i>Polymer Chemistry</i> , 2016, 7, 6178-6188.	1.9	125
10	Synergistic treatment of ovarian cancer by co-delivery of survivin shRNA and paclitaxel via supramolecular micellar assembly. <i>Biomaterials</i> , 2012, 33, 6580-6591.	5.7	114
11	Low molecular weight polyethylenimine cross-linked by 2-hydroxypropyl- β -cyclodextrin coupled to peptide targeting HER2 as a gene delivery vector. <i>Biomaterials</i> , 2010, 31, 1830-1838.	5.7	98
12	Supramolecular enhancement of aggregation-induced emission and its application in cancer cell imaging. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6609-6617.	2.7	87
13	Structure-Invertible Nanoparticles for Triggered Co-Delivery of Nucleic Acids and Hydrophobic Drugs for Combination Cancer Therapy. <i>Advanced Functional Materials</i> , 2015, 25, 3380-3392.	7.8	78
14	Enhanced adsorbability and photocatalytic activity of TiO ₂ -graphene composite for polycyclic aromatic hydrocarbons removal in aqueous phase. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 68-77.	2.5	75
15	Two novel non-viral gene delivery vectors: low molecular weight polyethylenimine cross-linked by (2-hydroxypropyl)- β -cyclodextrin or (2-hydroxypropyl)- γ -cyclodextrin. <i>Chemical Communications</i> , 2006, , 2382-2384.	2.2	74
16	Surface-Layer Protein-Enhanced Immunotherapy Based on Cell Membrane-Coated Nanoparticles for the Effective Inhibition of Tumor Growth and Metastasis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9850-9859.	4.0	73
17	Cationic Polymer-Mediated CRISPR/Cas9 Plasmid Delivery for Genome Editing. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800068.	2.0	72
18	Supramolecular Nanomedicine Constructed from Cucurbit[8]uril-Based Amphiphilic Brush Copolymer for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44392-44401.	4.0	71

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19	Restoration of chemosensitivity by multifunctional micelles mediated by P-gp siRNA to reverse MDR. <i>Biomaterials</i> , 2014, 35, 8621-8634.	5.7	69
20	HClO ₂ -Activated Fluorescence and Photosensitization from an AIE Nanoprobe for Image-Guided Bacterial Ablation in Phagocytes. <i>Advanced Materials</i> , 2020, 32, e2005222.	11.1	68
21	Intracellular pathways and nuclear localization signal peptide-mediated gene transfection by cationic polymeric nanovectors. <i>Biomaterials</i> , 2012, 33, 1135-1145.	5.7	67
22	A Cooperative Dimensional Strategy for Enhanced Nucleus-Targeted Delivery of Anticancer Drugs. <i>Advanced Functional Materials</i> , 2017, 27, 1700339.	7.8	66
23	Redox-Activated Light-Up Nanomicelle for Precise Imaging-Guided Cancer Therapy and Real-Time Pharmacokinetic Monitoring. <i>ACS Nano</i> , 2016, 10, 11385-11396.	7.3	65
24	Cyclodextrin-based host-guest complexes loaded with regorafenib for colorectal cancer treatment. <i>Nature Communications</i> , 2021, 12, 759.	5.8	61
25	Redox-Responsive Amphiphilic Macromolecular [2]Pseudorotaxane Constructed from a Water-Soluble Pillar[5]arene and a Paraquat-Containing Homopolymer. <i>ACS Macro Letters</i> , 2015, 4, 996-999.	2.3	59
26	Reactive oxygen species (ROS)-responsive nanomedicine for RNAi-based cancer therapy. <i>Nanoscale</i> , 2018, 10, 203-214.	2.8	55
27	Mesoporous polydopamine with built-in plasmonic core: Traceable and NIR triggered delivery of functional proteins. <i>Biomaterials</i> , 2020, 238, 119847.	5.7	54
28	Supramolecular β -Sheets Stabilized Protein Nanocarriers for Drug Delivery and Gene Transfection. <i>ACS Nano</i> , 2017, 11, 4528-4541.	7.3	52
29	Targeted Co-delivery of PTX and TR3 siRNA by PTP Peptide Modified Dendrimer for the Treatment of Pancreatic Cancer. <i>Small</i> , 2017, 13, 1602697.	5.2	52
30	Construction of a Star-Shaped Copolymer as a Vector for FGF Receptor-Mediated Gene Delivery In Vitro and In Vivo. <i>Biomacromolecules</i> , 2010, 11, 2221-2229.	2.6	48
31	Redox-Activatable ATP-Depleting Micelles with Dual Modulation Characteristics for Multidrug-Resistant Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601293.	3.9	43
32	Targeting ETS1 with RNAi-based supramolecular nanoassemblies for multidrug-resistant breast cancer therapy. <i>Journal of Controlled Release</i> , 2017, 253, 110-121.	4.8	43
33	Controlling amphiphilic copolymer self-assembly morphologies based on macrocycle/anion recognition and nucleotide-induced payload release. <i>Chemical Science</i> , 2016, 7, 6006-6014.	3.7	42
34	Facile construction of fluorescent polymeric aggregates with various morphologies by self-assembly of supramolecular amphiphilic graft copolymers. <i>Polymer Chemistry</i> , 2015, 6, 5021-5025.	1.9	38
35	A redox-sensitive, oligopeptide-guided, self-assembling, and efficiency-enhanced (ROSE) system for functional delivery of microRNA therapeutics for treatment of hepatocellular carcinoma. <i>Biomaterials</i> , 2016, 104, 192-200.	5.7	37
36	Lanthanide-integrated supramolecular polymeric nanoassembly with multiple regulation characteristics for multidrug-resistant cancer therapy. <i>Biomaterials</i> , 2017, 129, 83-97.	5.7	37

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37	Duo of (â€“)â€“)-epigallocatechin-3-gallate and doxorubicin loaded by polydopamine coating ZIF-8 in the regulation of autophagy for chemo-photothermal synergistic therapy. <i>Biomaterials Science</i> , 2020, 8, 1380-1393.	2.6	37
38	Macrocyclic Compounds for Drug and Gene Delivery in Immune-Modulating Therapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2097.	1.8	35
39	A supramolecular co-delivery strategy for combined breast cancer treatment and metastasis prevention. <i>Chinese Chemical Letters</i> , 2020, 31, 1153-1158.	4.8	34
40	Engineering bioinspired bacteria-adhesive clay nanoparticles with a membrane-disruptive property for the treatment of <i>Helicobacter pylori</i> infection. <i>Nanoscale</i> , 2016, 8, 16486-16498.	2.8	33
41	Montmorillonite-Enveloped Zeolitic Imidazolate Framework as a Nourishing Oral Nano-Platform for Gastrointestinal Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49431-49441.	4.0	33
42	Chronic polycyclic aromatic hydrocarbon exposure causes DNA damage and genomic instability in lung epithelial cells. <i>Oncotarget</i> , 2017, 8, 79034-79045.	0.8	33
43	Reconstructed chitosan with alkylamine for enhanced gene delivery by promoting endosomal escape. <i>Carbohydrate Polymers</i> , 2020, 227, 115339.	5.1	31
44	A supramolecular platform for controlling and optimizing molecular architectures of siRNA targeted delivery vehicles. <i>Science Advances</i> , 2020, 6, eabc2148.	4.7	29
45	FGF Receptor-mediated Gene Delivery using Ligands Coupled to Polyethylenimine. <i>Journal of Biomaterials Applications</i> , 2007, 22, 163-180.	1.2	28
46	Annular Mesoporous Carbonaceous Nanospheres from Biomass-Derived Building Units with Enhanced Biological Interactions. <i>Chemistry of Materials</i> , 2019, 31, 7186-7191.	3.2	28
47	Metabolically engineered bacteria as light-controlled living therapeutics for anti-angiogenesis tumor therapy. <i>Materials Horizons</i> , 2021, 8, 1454-1460.	6.4	27
48	Polyethyleneimine-grafted poly(N-3-hydroxypropyl)aspartamide as a biodegradable gene vector for efficient gene transfection. <i>Soft Matter</i> , 2010, 6, 955.	1.2	24
49	Multifunctional cationic polymer decorated and drug intercalated layered silicate (NLS) for early gastric cancer prevention. <i>Biomaterials</i> , 2014, 35, 3298-3308.	5.7	24
50	A boron difluoride dye showing the aggregation-induced emission feature and high sensitivity to intra- and extra-cellular pH changes. <i>Chemical Communications</i> , 2016, 52, 541-544.	2.2	21
51	Synthesis of 3D N-doped graphene/carbon nanotube hybrids with encapsulated Ni NPs and their catalytic application in the hydrogenation of nitroarenes. <i>Catalysis Science and Technology</i> , 2018, 8, 4858-4863.	2.1	21
52	Design and tuning of ionic liquidâ€“based HNO donor through intramolecular hydrogen bond for efficient inhibition of tumor growth. <i>Science Advances</i> , 2020, 6, .	4.7	20
53	Synergistic Enhancement of Lung Cancer Therapy Through Nanocarrierâ€“Mediated Sequential Delivery of Superantigen and Tyrosin Kinase Inhibitor. <i>Advanced Functional Materials</i> , 2014, 24, 5482-5492.	7.8	17
54	Nanomedicine Fabricated from A Boron-dipyrrromethene (BODIPY)-Embedded Amphiphilic Copolymer for Photothermal-Enhanced Chemotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4463-4473.	2.6	16

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55	Cardiovascular toxicity assessment of poly (ethylene imine)- based cationic polymers on zebrafish model. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 768-780.	1.9	15
56	Solvent assisted size effect on AuNPs and significant inhibition on K562 cells. <i>RSC Advances</i> , 2019, 9, 33931-33940.	1.7	15
57	A PEGylated megamer-based microRNA delivery system activatable by stepwise microenvironment stimulation. <i>Chemical Communications</i> , 2019, 55, 9363-9366.	2.2	14
58	Tumor-triggered personalized microRNA cocktail therapy for hepatocellular carcinoma. <i>Biomaterials Science</i> , 2020, 8, 6579-6591.	2.6	14
59	Block copolymer [(GluA-5-BE)-b-(AspA-4-BE)]-based nanoflower capsules with thermosensitive morphology and pH-responsive drug release for cancer therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9258-9268.	2.9	13
60	Solvent-Assisted [(Glycine) ₂ (MPa-SiO ₂ NPs)] Aggregate for Drug Loading and Cancer Therapy. <i>ChemistrySelect</i> , 2020, 5, 8221-8232.	0.7	12
61	Impact of Crystal Habit on the Dissolution Rate and In Vivo Pharmacokinetics of Sorafenib Tosylate. <i>Molecules</i> , 2021, 26, 3469.	1.7	12
62	Evaluation of molecular chaperone drug function: Regorafenib and β -cyclodextrins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 61-68.	2.5	11
63	Spontaneous single-crystal to single-crystal transition with self-healing cracks involving solvent exchange. <i>CrystEngComm</i> , 2019, 21, 1102-1106.	1.3	11
64	Therapeutic polymeric nanomedicine: GSH-responsive release promotes drug release for cancer synergistic chemotherapy. <i>RSC Advances</i> , 2019, 9, 37232-37240.	1.7	11
65	Enhancing the Physicochemical Properties of Puerarin via L-Proline Co-Crystallization: Synthesis, Characterization, and Dissolution Studies of Two Phases of Pharmaceutical Co-Crystals. <i>International Journal of Molecular Sciences</i> , 2021, 22, 928.	1.8	11
66	Metal (Au)-Decorated Chitosan-Arginine Polymeric Vector for Codelivery of Gefitinib and miR125b for Lung Cancer Therapy. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1675-1687.	2.0	11
67	Thermo-sensitive poly(VCL-4VP-NVP) ionic microgels: synthesis, cytotoxicity, hemocompatibility, and sustained release of anti-inflammatory drugs. <i>Materials Chemistry Frontiers</i> , 2017, 1, 369-379.	3.2	10
68	Targeted Codelivery of Docetaxel and Atg7 siRNA for Autophagy Inhibition and Pancreatic Cancer Treatment. <i>ACS Applied Bio Materials</i> , 2019, 2, 1168-1176.	2.3	9
69	Isomorphous Crystals Formed by the Similar Supramolecular Motifs in Sorafenib Hydrochloride and Regorafenib Hydrochloride Salts. <i>Crystals</i> , 2019, 9, 649.	1.0	9
70	A versatile ultrafine and super-absorptive H ⁺ -modified montmorillonite: application for metabolic syndrome intervention and gastric mucosal protection. <i>Biomaterials Science</i> , 2020, 8, 3370-3380.	2.6	9
71	AI-Egen-Lipid Conjugate for Rapid Labeling of Neutrophils and Monitoring of Their Behavior. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3175-3181.	7.2	9
72	Enhanced antitumour effect for hepatocellular carcinoma in the advanced stage using a cyclodextrin-sorafenib-chaperoned inclusion complex. <i>Biomaterials Science</i> , 2019, 7, 4758-4768.	2.6	8

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73	Structural Insights into the Host-Guest Complexation between β -Cyclodextrin and Bio-Conjugatable Adamantane Derivatives. <i>Molecules</i> , 2021, 26, 2412.	1.7	8
74	Reverting chemoresistance of targeted agents by a ultrasoluble dendritic nanocapsule. <i>Journal of Controlled Release</i> , 2020, 317, 67-77.	4.8	6
75	Mesoporous Rod-Like Metal-Organic Framework with Optimal Tumor Targeting Properties for Enhanced Activatable Photodynamic Therapy. <i>Advanced Therapeutics</i> , 2020, 3, 2000011.	1.6	6
76	Chitosan-derived nanoparticles impede signal transduction in T790M lung cancer therapy. <i>Biomaterials Science</i> , 2021, 9, 7412-7419.	2.6	6
77	Two polymorphs of remdesivir: crystal structure, solubility, and pharmacokinetic study. <i>CrystEngComm</i> , 2021, 23, 2923-2927.	1.3	5
78	Co-Crystals of Resveratrol and Polydatin with L-Proline: Crystal Structures, Dissolution Properties, and In Vitro Cytotoxicities. <i>Molecules</i> , 2021, 26, 5722.	1.7	5
79	Investigation of Solubility Behavior of Canagliflozin Hydrate Crystals Combining Crystallographic and Hirshfeld Surface Calculations. <i>Molecules</i> , 2021, 26, 298.	1.7	5
80	Polymorphs and Pseudopolymorphs of Lenvatinib Mesylate: Crystal Structure, Equilibrium Solubility, and Stability Study. <i>Crystal Growth and Design</i> , 2022, 22, 4421-4430.	1.4	5
81	A novel nonviral gene delivery vector: Low-molecular-weight polyethylenimine-graft-ovalbumin. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3744-3750.	1.3	4
82	Polyethylene glycol-polyethylenimine-tetrachloroplatinum (IV): A novel conjugate with good abilities of antitumor and gene delivery. <i>Journal of Applied Polymer Science</i> , 2012, 123, 1509-1517.	1.3	4
83	A Phytochemical-Based Copolymer Derived from <i>Coriolus versicolor</i> Polysaccharopeptides for Gene Delivery. <i>Molecules</i> , 2018, 23, 2273.	1.7	4
84	A zipped-up tunable metal coordinated cationic polymer for nanomedicine. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1350-1358.	2.9	4
85	Anhydrates and hemihydrate of tasimelteon: Synthesis, structure, and pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 235-243.	1.4	3
86	AI-Egen-Lipid Conjugate for Rapid Labeling of Neutrophils and Monitoring of Their Behavior. <i>Angewandte Chemie</i> , 2021, 133, 3212-3218.	1.6	3
87	Hydrogen Bonds, Topologies, Energy Frameworks and Solubilities of Five Sorafenib Salts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6682.	1.8	3
88	Pancreatic Cancer: Targeted Co-delivery of PTX and TR3 siRNA by PTP Peptide Modified Dendrimer for the Treatment of Pancreatic Cancer (Small 2/2017). <i>Small</i> , 2017, 13, .	5.2	2
89	Folate receptor mediated genetic modification of human mesenchymal stem cells via folic acid-polyethylenimine-grafted poly(N-3-hydroxypropyl)aspartamide. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 279-295.	0.9	2
90	Surface functionalized porous nanomaterials for theranostics. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1

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91	On the Single-Crystal Structure of Tenofovir Alafenamide Mono-Fumarate: A Metastable Phase Featuring a Mixture of Co-Crystal and Salt. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9213.	1.8	1
92	In Vitro Anticancer Activity of Nanoformulated Mono- and Di-nuclear Pt Compounds. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2993-3000.	1.7	1
93	Drug Delivery: A Cooperative Dimensional Strategy for Enhanced Nucleus-Targeted Delivery of Anticancer Drugs (<i>Adv. Funct. Mater.</i> 24/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	0
94	Nanoparticle-coated as Oral DNA Vaccines for Cancer Immunotherapy. <i>Journal of Controlled Release</i> , 2017, 259, e179.	4.8	0