Qixian Chen

List of Publications by Year
in descending order

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75 papers	2,040 citations	201674 27 h-index	254184 43 g-index
77 all docs	77 docs citations	77 times ranked	3211 citing authors

#	Article	IF	Citations
1	Bottlebrush polymers with flexible enantiomeric side chains display differential biological properties. Nature Chemistry, 2022, 14, 85-93.	13.6	43
2	Convergent Arrangement of sgRNA and Cas9 in CRISPRsome for Transcellular Trafficking. , 2022, 4, 505-510.		1
3	Enclosure of siRNA in Alternately Hydrophilicâ€“Hydrophobic Double-Layered Nanoarchitectures for Promoted RNAi. ACS Applied Polymer Materials, 2022, 4, 2262-2268.	4.4	0
4	Reversible Chemical Protein Modification to Endogenous Glutathione and Its Utilities in the Manufacture of Transcellular Pro-Enzymes. Biomacromolecules, 2022, 23, 2138-2149.	5.4	0
5	Virus-like siRNA construct dynamically responsive to sequential microenvironments for potent RNA interference. Journal of Colloid and Interface Science, 2022, 622, 938-949.	9.4	0
6	Charge-Reversible Pro-Ribonuclease Enveloped in Virus-like Synthetic Nanocapsules for Systemic Treatment of Intractable Glioma. ACS Applied Materials & Interfaces, 2022, 14, 30493-30506.	8.0	3
7	Construction of a Novel Reactive Oxygen Species-responsive Cationic Copolymer and Its Performance in Gene Delivery. Acta Chimica Sinica, 2021, 79, 794.	1.4	1
8	Spatiotemporal Concurrent Liberation of Cytotoxins from Dual-Prodrug Nanomedicine for Synergistic Antitumor Therapy. ACS Applied Materials & Interfaces, 2021, 13, 6053-6068.	8.0	17
9	Bioresorbable Depot for Sustained Release of Immunostimulatory Resiquimod in Suppressing Both Primary Triple-Negative Breast Tumors and Metastatic Occurrence. Bioconjugate Chemistry, 2021, 32, 1008-1016.	3.6	2
10	Polymeric RNAi Constructs Tailored with Appreciable Transcellular Trafficking Functions for Potential Suppression of Parathyroid Hormone Production. Bioconjugate Chemistry, 2021, 32, 909-915.	3.6	0
11	Synthetic anti-angiogenic genomic therapeutics for treatment of neovascular age-related macular degeneration. Asian Journal of Pharmaceutical Sciences, 2021, 16, 623-632.	9.1	0
12	Camptothecin Nanoprodrug Possessing Dual Responsiveness to Endolysosomal pH and Cytosolic Redox for Amplified Cytotoxic Potency. ACS Applied Bio Materials, 2021, 4, 4990-4998.	4.6	0
13	Synthetic infrared nano-photosensitizers with hierarchical zoom-in target-delivery functionalities for precision photodynamic therapy. Journal of Controlled Release, 2021, 334, 263-274.	9.9	14
14	PEGylated phospholipid micelles containing D-Î±-tocopheryl succinate as multifunctional nanocarriers for enhancing the antitumor efficacy of doxorubicin. International Journal of Pharmaceutics, 2021, 607, 120979.	5.2	5
15	Chemotherapeutic potency stimulated by SNAI1-knockdown based on multifaceted nanomedicine. Journal of Controlled Release, 2021, 337, 343-355.	9.9	2
16	A mitochondria-targeting and polarity-sensitive fluorescent probe for cancer diagnosis. Sensors and Actuators B: Chemical, 2021, 344, 130261.	7.8	27
17	Albumin nanocomposites with MnO2/Gd2O3 motifs for precise MR imaging of acute myocardial infarction in rabbit models. Biomaterials, 2020, 230, 119614.	11.4	42
18	Circumvent PEGylation dilemma by implementing matrix metalloproteinase-responsive chemistry for promoted tumor gene therapy. Chinese Chemical Letters, 2020, 31, 3143-3148.	9.0	22

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19	ABC triblock bottlebrush copolymer-based injectable hydrogels: design, synthesis, and application to expanding the therapeutic index of cancer immunochemotherapy. Chemical Science, 2020, 11, 5974-5986.	7.4	40
20	Rationally modifying the dicyanoisophorone fluorophore for sensing cysteine in living cells and mice. Sensors and Actuators B: Chemical, 2020, 321, 128441.	7.8	40
21	Ligand-installed anti-VEGF genomic nanocarriers for effective gene therapy of primary and metastatic tumors. Journal of Controlled Release, 2020, 320, 314-327.	9.9	19
22	Tumor-Targeted Anti-VEGF RNAi Capable of Sequentially Responding to Intracellular Microenvironments for Potent Systemic Tumor Suppression. ACS Applied Bio Materials, 2020, 3, 9145-9155.	4.6	4
23	A theranostic saponin nano-assembly based on FRET of an aggregation-induced emission photosensitizer and photon up-conversion nanoparticles. Journal of Materials Chemistry B, 2019, 7, 5286-5290.	5.8	8
24	Nitrophenyl-engaged photocleavage of an amphiphilic copolymer for spatiotemporally controlled drug release. Journal of Materials Science, 2019, 54, 13298-13313.	3.7	2
25	Single-Stranded DNA-Packaged Polyplex Micelle as Adeno-Associated-Virus-Inspired Compact Vector to Systemically Target Stroma-Rich Pancreatic Cancer. ACS Nano, 2019, 13, 12732-12742.	14.6	34
26	Mitochondria specific oxidative injury by near-infrared energy transfer nanoclusters for amplified photodynamic potency. Journal of Colloid and Interface Science, 2019, 557, 45-54.	9.4	6
27	Redox-Responsive Polymeric RNAi Based on Multivalent Conjugation of siRNA for Improved Intracellular Delivery. Bioconjugate Chemistry, 2019, 30, 2777-2781.	3.6	8
28	Integument of Cytoplasmic Membrane onto Cationic DNA Condensates for Selective Gene Expression at Homologous Cells. ACS Applied Bio Materials, 2019, 2, 4537-4544.	4.6	2
29	Hyaluronic acid/PEGylated amphiphilic nanoparticles for pursuit of selective intracellular doxorubicin release. Journal of Materials Chemistry B, 2019, 7, 95-102.	5.8	17
30	A multifunctional polymeric gene delivery system for circumventing biological barriers. Journal of Materials Chemistry B, 2019, 7, 384-392.	5.8	10
31	Poly(lactobionamidoethyl methacrylate)-based amphiphiles with ultrasound-labile components in manufacture of drug delivery nanoparticulates for augmented cytotoxic efficacy to hepatocellular carcinoma. Journal of Colloid and Interface Science, 2019, 551, 1-9.	9.4	6
32	Efficient and controllable growth of vertically oriented graphene nanosheets by mesoplasma chemical vapor deposition. Carbon, 2019, 147, 341-347.	10.3	35
33	Superoxide dismutase transcellular shuttle constructed from dendritic MOF and charge reversible protein derivatives. Chemical Science, 2019, 10, 4476-4485.	7.4	16
34	Biomineralized Gd₂O₃@HSA Nanoparticles as a Versatile Platform for Dualâ€Modal Imaging and Chemoâ€Phototherapyâ€Synergized Tumor Ablation. Advanced Healthcare Materials, 2019, 8, e1901005.	7.6	19
35	Delivery of platinum (II) drugs with bulky ligands in trans-geometry for overcoming cisplatin drug resistance. Materials Science and Engineering C, 2019, 96, 96-104.	7.3	30
36	Biodegradable Synthetic Antimicrobial with Aggregation-Induced Emissive Luminogens for Temporal Antibacterial Activity and Facile Bacteria Detection. Chemistry of Materials, 2018, 30, 1782-1790.	6.7	68

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37	Rapid crystallization of amorphous silicon films utilizing Ar-H2 mesoplasma annealing. Journal of Crystal Growth, 2018, 486, 142-147.	1.5	4
38	Rational Design of Multifunctional Polymeric Nanoparticles Based on Poly(<scp>l</scp>-histidine) and d-Î±-Vitamin E Succinate for Reversing Tumor Multidrug Resistance. Biomacromolecules, 2018, 19, 2595-2609.	5.4	26
39	Polymorphism, thermal stability and enzymatic degradation of poly(1,4-butylene adipate) tailored by a benzene-1,3,5-tricarboxamide-based nucleating agent. Journal of Materials Science, 2018, 53, 10569-10581.	3.7	12
40	Improving Li anode performance by a porous 3D carbon paper host with plasma assisted sponge carbon coating. Energy Storage Materials, 2018, 11, 47-56.	18.0	49
41	A thermo-responsive polyurethane organogel for norfloxacin delivery. Polymer Chemistry, 2018, 9, 228-235.	3.9	28
42	Near-infrared AIEgen-functionalized and diselenide-linked oligo-ethylenimine with self-sufficing ROS to exert spatiotemporal responsibility for promoted gene delivery. Journal of Materials Chemistry B, 2018, 6, 6660-6666.	5.8	14
43	Polymer Brush Decorated MOF Nanoparticles Loaded with AIEgen, Anticancer Drug, and Supramolecular Glue for Regulating and In Situ Observing DOX Release. Macromolecular Bioscience, 2018, 18, e1800317.	4.1	15
44	Ultrasound-Responsive Nanoparticulate for Selective Amplification of Chemotherapeutic Potency for Ablation of Solid Tumors. Bioconjugate Chemistry, 2018, 29, 3467-3475.	3.6	8
45	Transcellular delivery of messenger RNA payloads by a cationic supramolecular MOF platform. Chemical Communications, 2018, 54, 11304-11307.	4.1	33
46	A Targeted and Stable Polymeric Nanoformulation Enhances Systemic Delivery of mRNA to Tumors. Molecular Therapy, 2017, 25, 92-101.	8.2	70
47	Controlled PEGylation Crowdedness for Polymeric Micelles To Pursue Ligand-Specified Privileges as Nucleic Acid Delivery Vehicles. ACS Applied Materials & Interfaces, 2017, 9, 8455-8459.	8.0	6
48	Poly(ethylene glycol) Crowding as Critical Factor To Determine pDNA Packaging Scheme into Polyplex Micelles for Enhanced Gene Expression. Biomacromolecules, 2017, 18, 36-43.	5.4	38
49	Fabrication and Physical Properties of Poly(Îµâ€Caprolactone)/Modified Graphene Nanocomposite. Macromolecular Materials and Engineering, 2017, 302, 1600328.	3.6	15
50	Polyplex Micelle with pH-Responsive PEG Detachment and Functional Tetraphenylene Incorporation to Promote Systemic Gene Expression. Bioconjugate Chemistry, 2017, 28, 2849-2858.	3.6	10
51	A dendritic catiomer with an MOF motif for the construction of safe and efficient gene delivery systems. Journal of Materials Chemistry B, 2017, 5, 8322-8329.	5.8	17
52	Tumor-Targeted Accumulation of Ligand-Installed Polymeric Micelles Influenced by Surface PEGylation Crowdedness. ACS Applied Materials & Interfaces, 2017, 9, 44045-44052.	8.0	17
53	Nitroxide-Based Macromolecular Contrast Agents with Unprecedented Transverse Relaxivity and Stability for Magnetic Resonance Imaging of Tumors. ACS Central Science, 2017, 3, 800-811.	11.3	126
54	Polyplex micelle installing intracellular self-processing functionalities without free catiomers for safe and efficient systemic gene therapy through tumor vasculature targeting. Biomaterials, 2017, 113, 253-265.	11.4	55

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55	Nanoparticle conjugates of a highly potent toxin enhance safety and circumvent platinum resistance in ovarian cancer. Nature Communications, 2017, 8, 2166.	12.8	71
56	Micelles: Rod-to-Globule Transition of pDNA/PEG-Poly(l -Lysine) Polyplex Micelles Induced by a Collapsed Balance Between DNA Rigidity and PEG Crowdedness (Small 9/2016). Small, 2016, 12, 1244-1244.	10.0	2
57	Daylight-stimulated antibacterial activity for sustainable bacterial detection and inhibition. Journal of Materials Chemistry B, 2016, 4, 6350-6357.	5.8	24
58	Shedding PEG Palisade by Temporal Photostimulation and Intracellular Reducing Milieu for Facilitated Intracellular Trafficking and DNA Release. Bioconjugate Chemistry, 2016, 27, 1949-1957.	3.6	16
59	Rodâ€toâ€Globule Transition of pDNA/PEGâ€“Poly(<scp>l</scp>â€Lysine) Polyplex Micelles Induced by a Collapsed Balance Between DNA Rigidity and PEG Crowdedness. Small, 2016, 12, 1193-1200.	10.0	31
60	Incorporation of an aggregation-induced-emissive tetraphenylethene derivative into cationic gene delivery vehicles manifested the nuclear translocation of uncomplexed DNA. Chemical Communications, 2016, 52, 3907-3910.	4.1	14
61	Self-sufficing H2O2-responsive nanocarriers through tumor-specific H2O2 production for synergistic oxidation-chemotherapy. Journal of Controlled Release, 2016, 225, 64-74.	9.9	100
62	Probe Intracellular Trafficking of a Polymeric DNA Delivery Vehicle by Functionalization with an Aggregation-Induced Emissive Tetraphenylethene Derivative. ACS Applied Materials & Interfaces, 2015, 7, 28494-28501.	8.0	26
63	Construction of stable polymeric vesicles based on azobenzene and beta-cyclodextrin grafted poly(glycerol methacrylate)s for potential applications in colon-specific drug delivery. Chemical Communications, 2015, 51, 4715-4718.	4.1	44
64	Toroidal Packaging of pDNA into Block Ionomer Micelles Exerting Promoted in Vivo Gene Expression. Biomacromolecules, 2015, 16, 2664-2671.	5.4	21
65	Ternary polyplex micelles with PEG shells and intermediate barrier to complexed DNA cores for efficient systemic gene delivery. Journal of Controlled Release, 2015, 209, 77-87.	9.9	62
66	Modulated crystallization behavior, polymorphic crystalline structure and enzymatic degradation of poly(butylene adipate): Effects of layered metal phosphonate. European Polymer Journal, 2015, 72, 222-237.	5.4	37
67	Aggregation-Induced-Emissive Molecule Incorporated into Polymeric Nanoparticulate as FRET Donor for Observing Doxorubicin Delivery. ACS Applied Materials & Interfaces, 2015, 7, 23760-23766.	8.0	44
68	Dual functionalized amino poly(glycerol methacrylate) with guanidine and Schiff-base linked imidazole for enhanced gene transfection and minimized cytotoxicity. Journal of Materials Chemistry B, 2015, 3, 6911-6918.	5.8	27
69	A tadpole-shaped gene carrier with distinct phase segregation in a ternary polymeric micelle. Soft Matter, 2015, 11, 2718-2722.	2.7	5
70	Dual endogenous stimuli-responsive polyplex micelles as smart two-step delivery nanocarriers for deep tumor tissue penetration and combating drug resistance of cisplatin. Journal of Materials Chemistry B, 2014, 2, 1813-1824.	5.8	59
71	Polyplex Micelles with Thermoresponsive Heterogeneous Coronas for Prolonged Blood Retention and Promoted Gene Transfection. Biomacromolecules, 2014, 15, 2914-2923.	5.4	27
72	Optimized rod length of polyplex micelles for maximizing transfection efficiency and their performance in systemic gene therapy against stroma-rich pancreatic tumors. Biomaterials, 2014, 35, 5359-5368.	11.4	62

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73	Targeted gene delivery by polyplex micelles with crowded PEG palisade and cRGD moiety for systemic treatment of pancreatic tumors. Biomaterials, 2014, 35, 3416-3426.	11.4	121
74	Tethered PEG Crowdedness Determining Shape and Blood Circulation Profile of Polyplex Micelle Gene Carriers. Macromolecules, 2013, 46, 6585-6592.	4.8	97
75	Homo-catiomer integration into PEGylated polyplex micelle from block-catiomer for systemic anti-angiogenic gene therapy for fibrotic pancreatic tumors. Biomaterials, 2012, 33, 4722-4730.	11.4	61