

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
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docs citations

77
times ranked

3211
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitroxide-Based Macromolecular Contrast Agents with Unprecedented Transverse Relaxivity and Stability for Magnetic Resonance Imaging of Tumors. <i>ACS Central Science</i> , 2017, 3, 800-811.	11.3	126
2	Targeted gene delivery by polyplex micelles with crowded PEG palisade and cRGD moiety for systemic treatment of pancreatic tumors. <i>Biomaterials</i> , 2014, 35, 3416-3426.	11.4	121
3	Self-sufficing H ₂ O ₂ -responsive nanocarriers through tumor-specific H ₂ O ₂ production for synergistic oxidation-chemotherapy. <i>Journal of Controlled Release</i> , 2016, 225, 64-74.	9.9	100
4	Tethered PEG Crowdedness Determining Shape and Blood Circulation Profile of Polyplex Micelle Gene Carriers. <i>Macromolecules</i> , 2013, 46, 6585-6592.	4.8	97
5	Nanoparticle conjugates of a highly potent toxin enhance safety and circumvent platinum resistance in ovarian cancer. <i>Nature Communications</i> , 2017, 8, 2166.	12.8	71
6	A Targeted and Stable Polymeric Nanoformulation Enhances Systemic Delivery of mRNA to Tumors. <i>Molecular Therapy</i> , 2017, 25, 92-101.	8.2	70
7	Biodegradable Synthetic Antimicrobial with Aggregation-Induced Emissive Luminogens for Temporal Antibacterial Activity and Facile Bacteria Detection. <i>Chemistry of Materials</i> , 2018, 30, 1782-1790.	6.7	68
8	Optimized rod length of polyplex micelles for maximizing transfection efficiency and their performance in systemic gene therapy against stroma-rich pancreatic tumors. <i>Biomaterials</i> , 2014, 35, 5359-5368.	11.4	62
9	Ternary polyplex micelles with PEG shells and intermediate barrier to complexed DNA cores for efficient systemic gene delivery. <i>Journal of Controlled Release</i> , 2015, 209, 77-87.	9.9	62
10	Homo-cationer integration into PEGylated polyplex micelle from block-cationer for systemic anti-angiogenic gene therapy for fibrotic pancreatic tumors. <i>Biomaterials</i> , 2012, 33, 4722-4730.	11.4	61
11	Dual endogenous stimuli-responsive polyplex micelles as smart two-step delivery nanocarriers for deep tumor tissue penetration and combating drug resistance of cisplatin. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1813-1824.	5.8	59
12	Polyplex micelle installing intracellular self-processing functionalities without free cationers for safe and efficient systemic gene therapy through tumor vasculature targeting. <i>Biomaterials</i> , 2017, 113, 253-265.	11.4	55
13	Improving Li anode performance by a porous 3D carbon paper host with plasma assisted sponge carbon coating. <i>Energy Storage Materials</i> , 2018, 11, 47-56.	18.0	49
14	Construction of stable polymeric vesicles based on azobenzene and beta-cyclodextrin grafted poly(glycerol methacrylate)s for potential applications in colon-specific drug delivery. <i>Chemical Communications</i> , 2015, 51, 4715-4718.	4.1	44
15	Aggregation-Induced-Emissive Molecule Incorporated into Polymeric Nanoparticulate as FRET Donor for Observing Doxorubicin Delivery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23760-23766.	8.0	44
16	Bottlebrush polymers with flexible enantiomeric side chains display differential biological properties. <i>Nature Chemistry</i> , 2022, 14, 85-93.	13.6	43
17	Albumin nanocomposites with MnO ₂ /Gd ₂ O ₃ motifs for precise MR imaging of acute myocardial infarction in rabbit models. <i>Biomaterials</i> , 2020, 230, 119614.	11.4	42
18	ABC triblock bottlebrush copolymer-based injectable hydrogels: design, synthesis, and application to expanding the therapeutic index of cancer immunochemotherapy. <i>Chemical Science</i> , 2020, 11, 5974-5986.	7.4	40

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19	Rationally modifying the dicyanoisophorone fluorophore for sensing cysteine in living cells and mice. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128441.	7.8	40
20	Poly(ethylene glycol) Crowding as Critical Factor To Determine pDNA Packaging Scheme into Polyplex Micelles for Enhanced Gene Expression. <i>Biomacromolecules</i> , 2017, 18, 36-43.	5.4	38
21	Modulated crystallization behavior, polymorphic crystalline structure and enzymatic degradation of poly(butylene adipate): Effects of layered metal phosphonate. <i>European Polymer Journal</i> , 2015, 72, 222-237.	5.4	37
22	Efficient and controllable growth of vertically oriented graphene nanosheets by mesoplasma chemical vapor deposition. <i>Carbon</i> , 2019, 147, 341-347.	10.3	35
23	Single-Stranded DNA-Packaged Polyplex Micelle as Adeno-Associated-Virus-Inspired Compact Vector to Systemically Target Stroma-Rich Pancreatic Cancer. <i>ACS Nano</i> , 2019, 13, 12732-12742.	14.6	34
24	Transcellular delivery of messenger RNA payloads by a cationic supramolecular MOF platform. <i>Chemical Communications</i> , 2018, 54, 11304-11307.	4.1	33
25	Rod-to-Globule Transition of pDNA/PEG-Poly(L-Lysine) Polyplex Micelles Induced by a Collapsed Balance Between DNA Rigidity and PEG Crowdedness. <i>Small</i> , 2016, 12, 1193-1200.	10.0	31
26	Delivery of platinum (II) drugs with bulky ligands in trans-geometry for overcoming cisplatin drug resistance. <i>Materials Science and Engineering C</i> , 2019, 96, 96-104.	7.3	30
27	A thermo-responsive polyurethane organogel for norfloxacin delivery. <i>Polymer Chemistry</i> , 2018, 9, 228-235.	3.9	28
28	Polyplex Micelles with Thermoresponsive Heterogeneous Coronas for Prolonged Blood Retention and Promoted Gene Transfection. <i>Biomacromolecules</i> , 2014, 15, 2914-2923.	5.4	27
29	Dual functionalized amino poly(glycerol methacrylate) with guanidine and Schiff-base linked imidazole for enhanced gene transfection and minimized cytotoxicity. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6911-6918.	5.8	27
30	A mitochondria-targeting and polarity-sensitive fluorescent probe for cancer diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130261.	7.8	27
31	Probe Intracellular Trafficking of a Polymeric DNA Delivery Vehicle by Functionalization with an Aggregation-Induced Emissive Tetraphenylethene Derivative. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28494-28501.	8.0	26
32	Rational Design of Multifunctional Polymeric Nanoparticles Based on Poly(L-histidine) and d- α -Tocopherol Succinate for Reversing Tumor Multidrug Resistance. <i>Biomacromolecules</i> , 2018, 19, 2595-2609.	5.4	26
33	Daylight-stimulated antibacterial activity for sustainable bacterial detection and inhibition. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6350-6357.	5.8	24
34	Circumvent PEGylation dilemma by implementing matrix metalloproteinase-responsive chemistry for promoted tumor gene therapy. <i>Chinese Chemical Letters</i> , 2020, 31, 3143-3148.	9.0	22
35	Toroidal Packaging of pDNA into Block Ionomer Micelles Exerting Promoted <i>in Vivo</i> Gene Expression. <i>Biomacromolecules</i> , 2015, 16, 2664-2671.	5.4	21
36	Biomaterialized Gd ₂ O ₃ @HSA Nanoparticles as a Versatile Platform for Dual-Modal Imaging and Chemo-Phototherapy-Synergized Tumor Ablation. <i>Advanced Healthcare Materials</i> , 2019, 8, e1901005.	7.6	19

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37	Ligand-installed anti-VEGF genomic nanocarriers for effective gene therapy of primary and metastatic tumors. <i>Journal of Controlled Release</i> , 2020, 320, 314-327.	9.9	19
38	A dendritic cationic polymer with an MOF motif for the construction of safe and efficient gene delivery systems. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8322-8329.	5.8	17
39	Tumor-Targeted Accumulation of Ligand-Installed Polymeric Micelles Influenced by Surface PEGylation Crowdedness. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44045-44052.	8.0	17
40	Hyaluronic acid/PEGylated amphiphilic nanoparticles for pursuit of selective intracellular doxorubicin release. <i>Journal of Materials Chemistry B</i> , 2019, 7, 95-102.	5.8	17
41	Spatiotemporal Concurrent Liberation of Cytotoxins from Dual-Prodrug Nanomedicine for Synergistic Antitumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6053-6068.	8.0	17
42	Shedding PEG Palisade by Temporal Photostimulation and Intracellular Reducing Milieu for Facilitated Intracellular Trafficking and DNA Release. <i>Bioconjugate Chemistry</i> , 2016, 27, 1949-1957.	3.6	16
43	Superoxide dismutase transcellular shuttle constructed from dendritic MOF and charge reversible protein derivatives. <i>Chemical Science</i> , 2019, 10, 4476-4485.	7.4	16
44	Fabrication and Physical Properties of Poly(ϵ -Caprolactone)/Modified Graphene Nanocomposite. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600328.	3.6	15
45	Polymer Brush Decorated MOF Nanoparticles Loaded with AIEgen, Anticancer Drug, and Supramolecular Glue for Regulating and In Situ Observing DOX Release. <i>Macromolecular Bioscience</i> , 2018, 18, e1800317.	4.1	15
46	Incorporation of an aggregation-induced-emissive tetraphenylethene derivative into cationic gene delivery vehicles manifested the nuclear translocation of uncomplexed DNA. <i>Chemical Communications</i> , 2016, 52, 3907-3910.	4.1	14
47	Near-infrared AIEgen-functionalized and diselenide-linked oligo-ethylenimine with self-sufficing ROS to exert spatiotemporal responsibility for promoted gene delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6660-6666.	5.8	14
48	Synthetic infrared nano-photosensitizers with hierarchical zoom-in target-delivery functionalities for precision photodynamic therapy. <i>Journal of Controlled Release</i> , 2021, 334, 263-274.	9.9	14
49	Polymorphism, thermal stability and enzymatic degradation of poly(1,4-butylene adipate) tailored by a benzene-1,3,5-tricarboxamide-based nucleating agent. <i>Journal of Materials Science</i> , 2018, 53, 10569-10581.	3.7	12
50	Polyplex Micelle with pH-Responsive PEG Detachment and Functional Tetraphenylethene Incorporation to Promote Systemic Gene Expression. <i>Bioconjugate Chemistry</i> , 2017, 28, 2849-2858.	3.6	10
51	A multifunctional polymeric gene delivery system for circumventing biological barriers. <i>Journal of Materials Chemistry B</i> , 2019, 7, 384-392.	5.8	10
52	Ultrasound-Responsive Nanoparticulate for Selective Amplification of Chemotherapeutic Potency for Ablation of Solid Tumors. <i>Bioconjugate Chemistry</i> , 2018, 29, 3467-3475.	3.6	8
53	A theranostic saponin nano-assembly based on FRET of an aggregation-induced emission photosensitizer and photon up-conversion nanoparticles. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5286-5290.	5.8	8
54	Redox-Responsive Polymeric RNAi Based on Multivalent Conjugation of siRNA for Improved Intracellular Delivery. <i>Bioconjugate Chemistry</i> , 2019, 30, 2777-2781.	3.6	8

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55	Controlled PEGylation Crowdedness for Polymeric Micelles To Pursue Ligand-Specified Privileges as Nucleic Acid Delivery Vehicles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8455-8459.	8.0	6
56	Mitochondria specific oxidative injury by near-infrared energy transfer nanoclusters for amplified photodynamic potency. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 45-54.	9.4	6
57	Poly(lactobionamidoethyl methacrylate)-based amphiphiles with ultrasound-labile components in manufacture of drug delivery nanoparticulates for augmented cytotoxic efficacy to hepatocellular carcinoma. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 1-9.	9.4	6
58	A tadpole-shaped gene carrier with distinct phase segregation in a ternary polymeric micelle. <i>Soft Matter</i> , 2015, 11, 2718-2722.	2.7	5
59	PEGylated phospholipid micelles containing D- α -tocopheryl succinate as multifunctional nanocarriers for enhancing the antitumor efficacy of doxorubicin. <i>International Journal of Pharmaceutics</i> , 2021, 607, 120979.	5.2	5
60	Rapid crystallization of amorphous silicon films utilizing Ar-H2 mesoplasma annealing. <i>Journal of Crystal Growth</i> , 2018, 486, 142-147.	1.5	4
61	Tumor-Targeted Anti-VEGF RNAi Capable of Sequentially Responding to Intracellular Microenvironments for Potent Systemic Tumor Suppression. <i>ACS Applied Bio Materials</i> , 2020, 3, 9145-9155.	4.6	4
62	Charge-Reversible Pro-Ribonuclease Enveloped in Virus-like Synthetic Nanocapsules for Systemic Treatment of Intractable Glioma. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30493-30506.	8.0	3
63	Micelles: Rod-to-Globule Transition of pDNA/PEG-Poly(l-Lysine) Polyplex Micelles Induced by a Collapsed Balance Between DNA Rigidity and PEG Crowdedness (<i>Small</i> 9/2016). <i>Small</i> , 2016, 12, 1244-1244.	10.0	2
64	Nitrophenyl-engaged photocleavage of an amphiphilic copolymer for spatiotemporally controlled drug release. <i>Journal of Materials Science</i> , 2019, 54, 13298-13313.	3.7	2
65	Integument of Cytoplasmic Membrane onto Cationic DNA Condensates for Selective Gene Expression at Homologous Cells. <i>ACS Applied Bio Materials</i> , 2019, 2, 4537-4544.	4.6	2
66	Bioresorbable Depot for Sustained Release of Immunostimulatory Resiquimod in Suppressing Both Primary Triple-Negative Breast Tumors and Metastatic Occurrence. <i>Bioconjugate Chemistry</i> , 2021, 32, 1008-1016.	3.6	2
67	Chemotherapeutic potency stimulated by SNAI1-knockdown based on multifaceted nanomedicine. <i>Journal of Controlled Release</i> , 2021, 337, 343-355.	9.9	2
68	Construction of a Novel Reactive Oxygen Species-responsive Cationic Copolymer and Its Performance in Gene Delivery. <i>Acta Chimica Sinica</i> , 2021, 79, 794.	1.4	1
69	Convergent Arrangement of sgRNA and Cas9 in CRISPRsome for Transcellular Trafficking. , 2022, 4, 505-510.		1
70	Polymeric RNAi Constructs Tailored with Appreciable Transcellular Trafficking Functions for Potential Suppression of Parathyroid Hormone Production. <i>Bioconjugate Chemistry</i> , 2021, 32, 909-915.	3.6	0
71	Synthetic anti-angiogenic genomic therapeutics for treatment of neovascular age-related macular degeneration. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021, 16, 623-632.	9.1	0
72	Camptothecin Nanoprodruge Possessing Dual Responsiveness to Endolysosomal pH and Cytosolic Redox for Amplified Cytotoxic Potency. <i>ACS Applied Bio Materials</i> , 2021, 4, 4990-4998.	4.6	0

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73	Enclosure of siRNA in Alternately Hydrophilic&Hydrophobic Double-Layered Nanoarchitectures for Promoted RNAi. ACS Applied Polymer Materials, 2022, 4, 2262-2268.	4.4	0
74	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
75	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