Lichen Yin

List of Publications by Year
in descending order

103 papers	8,375 citations	57719 44 h-index	46771 89 g-index
106 all docs	106 docs citations	106 times ranked	10764 citing authors

#	Article	IF	Citations
1	Immunoâ€Engineered Nanodecoys for the Multiâ€Target Antiâ€Inflammatory Treatment of Autoimmune Diseases. Advanced Materials, 2022, 34, e2108817.	11.1	49
2	Tailoring Hyperbranched Poly(Î²â€amino ester) as a Robust and Universal Platform for Cytosolic Protein Delivery. Advanced Materials, 2022, 34, e2108116.	11.1	47
3	Macrophage-targeting gene silencing orchestrates myocardial microenvironment remodeling toward the anti-inflammatory treatment of ischemia-reperfusion (IR) injury. Bioactive Materials, 2022, 17, 320-333.	8.6	19
4	Endothelial cell-targeting, ROS-ultrasensitive drug/siRNA co-delivery nanocomplexes mitigate early-stage neutrophil recruitment for the anti-inflammatory treatment of myocardial ischemia reperfusion injury. Acta Biomaterialia, 2022, 143, 344-355.	4.1	29
5	Macrophage-Targeted Hydroxychloroquine Nanotherapeutics for Rheumatoid Arthritis Therapy. ACS Applied Materials & Interfaces, 2022, 14, 8824-8837.	4.0	28
6	Imidazolium-Based Polypeptide Coating with a Synergistic Antibacterial Effect and a Biofilm-Responsive Property. ACS Macro Letters, 2022, 11, 387-393.	2.3	10
7	Platelet Pharmacytes for the Hierarchical Amplification of Antitumor Immunity in Response to Selfâ€Generated Immune Signals. Advanced Materials, 2022, 34, e2109517.	11.1	31
8	Fluorinated Î±-Helical Polypeptides Toward Pulmonary siRNA Delivery. Biomaterial Engineering, 2022, , 75-95.	0.1	0
9	Facile Preparation of Polysaccharideâˆ’Polypeptide Conjugates via a Biphasic Solution Ring-Opening Polymerization. ACS Macro Letters, 2022, 11, 663-668.	2.3	9
10	Biomedical polymers: synthesis, properties, and applications. Science China Chemistry, 2022, 65, 1010-1075.	4.2	85
11	ROS-Responsive Selenopolypeptide Micelles: Preparation, Characterization, and Controlled Drug Release. Biomacromolecules, 2022, 23, 2647-2654.	2.6	7
12	Hypoxia-reinforced antitumor RNA interference mediated by micelleplexes with programmed disintegration. Acta Biomaterialia, 2022, 148, 194-205.	4.1	6
13	Endocytosisâ€Independent and Cancerâ€Selective Cytosolic Protein Delivery via Reversible Tagging with LAT1 substrate. Advanced Materials, 2022, 34, .	11.1	19
14	Î±-Amino acid N-carboxyanhydride (NCA)-derived synthetic polypeptides for nucleic acids delivery. Advanced Drug Delivery Reviews, 2021, 171, 139-163.	6.6	56
15	Cancer cell-targeted cisplatin prodrug delivery <i>in vivo via</i> metabolic labeling and bioorthogonal click reaction. Biomaterials Science, 2021, 9, 1301-1312.	2.6	11
16	A near-infrared light-controlled, oxygen-independent radical generating nano-system toward cancer therapy. Biomaterials Science, 2021, 9, 4054-4065.	2.6	5
17	Guanidine-rich helical polypeptides bearing hydrophobic amino acid pendants for efficient gene delivery. Biomaterials Science, 2021, 9, 2670-2678.	2.6	4
18	Cytosolic protein delivery via metabolic glycoengineering and bioorthogonal click reactions. Biomaterials Science, 2021, 9, 4639-4647.	2.6	7

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19	A sulfonate-based polypeptide toward infection-resistant coatings. Biomaterials Science, 2021, 9, 6425-6433.	2.6	10
20	Proâ€Peptideâ€Reinforced, Mucusâ€Penetrating Pulmonary siRNA Delivery Mitigates Cytokine Storm in Pneumonia. Advanced Functional Materials, 2021, 31, 2008960.	7.8	39
21	Drug resistance reversal by interventing cancer bioenergetics with spherical helical polypeptide-potented gene silencing. Chemical Engineering Journal, 2021, 414, 128545.	6.6	13
22	Inflammationâ€Instructed Hierarchical Delivery of ILâ€4/miRâ€21 Orchestrates Osteoimmune Microenvironment toward the Treatment of Rheumatoid Arthritis. Advanced Functional Materials, 2021, 31, 2101033.	7.8	27
23	Single-Chain Nanoparticle-Based Coatings with Improved Bactericidal Activity and Antifouling Properties. Biomacromolecules, 2021, 22, 4306-4315.	2.6	21
24	Efficient synthesis and excellent antimicrobial activity of star-shaped cationic polypeptides with improved biocompatibility. Biomaterials Science, 2021, 9, 2721-2731.	2.6	25
25	Cytokine-scavenging nanodecoys reconstruct osteoclast/osteoblast balance toward the treatment of postmenopausal osteoporosis. Science Advances, 2021, 7, eabl6432.	4.7	42
26	Fluorinated Î±-Helical Polypeptides Toward Pulmonary siRNA Delivery. Biomaterial Engineering, 2021, , 1-21.	0.1	0
27	Topology-assisted, photo-strengthened DNA/siRNA delivery mediated by branched poly(Î²-amino ester)s <i>via</i> synchronized intracellular kinetics. Biomaterials Science, 2020, 8, 290-301.	2.6	19
28	Co-delivery of dual chemo-drugs with precisely controlled, high drug loading polymeric micelles for synergistic anti-cancer therapy. Biomaterials Science, 2020, 8, 949-959.	2.6	39
29	Biological applications of water-soluble polypeptides with ordered secondary structures. Journal of Materials Chemistry B, 2020, 8, 6530-6547.	2.9	37
30	Bioreducible, branched poly(Î²-amino ester)s mediate anti-inflammatory ICAM-1 siRNA delivery against myocardial ischemia reperfusion (IR) injury. Biomaterials Science, 2020, 8, 3856-3870.	2.6	15
31	Light-assisted hierarchical intratumoral penetration and programmed antitumor therapy based on tumor microenvironment (TME)-amendatory and self-adaptive polymeric nanoclusters. Biomaterials, 2020, 255, 120166.	5.7	38
32	Hypoxiaâ€Induced Proâ€Protein Therapy Assisted by a Selfâ€Catalyzed Nanozymogen. Angewandte Chemie - International Edition, 2020, 59, 22544-22553.	7.2	45
33	Hypoxiaâ€Induced Proâ€Protein Therapy Assisted by a Selfâ€Catalyzed Nanozymogen. Angewandte Chemie, 2020, 132, 22733-22742.	1.6	7
34	Nanoparticles. , 2020, , 453-483.		5
35	Unimolecular Polypeptide Micelles via Ultrafast Polymerization of <i>N</i>-Carboxyanhydrides. Journal of the American Chemical Society, 2020, 142, 8570-8574.	6.6	49
36	iRGD-reinforced, photo-transformable nanoclusters toward cooperative enhancement of intratumoral penetration and antitumor efficacy. Nano Research, 2020, 13, 2706-2715.	5.8	12

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37	Fluorinated Î±-Helical Polypeptides Synchronize Mucus Permeation and Cell Penetration toward Highly Efficient Pulmonary siRNA Delivery against Acute Lung Injury. Nano Letters, 2020, 20, 1738-1746.	4.5	108
38	Multivalency-assisted membrane-penetrating siRNA delivery sensitizes photothermal ablation via inhibition of tumor glycolysis metabolism. Biomaterials, 2019, 223, 119463.	5.7	63
39	Recent Advances on Reactive Oxygen Species-Responsive Delivery and Diagnosis System. Biomacromolecules, 2019, 20, 2441-2463.	2.6	165
40	Cancer-Selective Bioreductive Chemotherapy Mediated by Dual Hypoxia-Responsive Nanomedicine upon Photodynamic Therapy-Induced Hypoxia Aggravation. Biomacromolecules, 2019, 20, 2649-2656.	2.6	57
41	Thermal-Responsive Carbon Monoxide (CO) Delivery Expedites Metabolic Exhaustion of Cancer Cells toward Reversal of Chemotherapy Resistance. ACS Central Science, 2019, 5, 1044-1058.	5.3	93
42	Synthesis of water soluble and multi-responsive selenopolypeptides <i>via</i> ring-opening polymerization of <i>N</i>-carboxyanhydrides. Chemical Communications, 2019, 55, 7860-7863.	2.2	18
43	Self-assisted membrane-penetrating helical polypeptides mediate anti-inflammatory RNAi against myocardial ischemic reperfusion (IR) injury. Biomaterials Science, 2019, 7, 3717-3728.	2.6	16
44	Synthesis of polypeptides via bioinspired polymerization of in situ purified <i>N</i> -carboxyanhydrides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10658-10663.	3.3	87
45	Photodynamic therapy-triggered on-demand drug release from ROS-responsive core-cross-linked micelles toward synergistic anti-cancer treatment. Nano Research, 2019, 12, 999-1008.	5.8	41
46	Carbon monoxide (CO)-Strengthened cooperative bioreductive anti-tumor therapy via mitochondrial exhaustion and hypoxia induction. Biomaterials, 2019, 209, 138-151.	5.7	53
47	Enzyme-mimetic self-catalyzed polymerization of polypeptide helices. Nature Communications, 2019, 10, 5470.	5.8	46
48	Recent Advances in Anti-cancer Protein/Peptide Delivery. Bioconjugate Chemistry, 2019, 30, 305-324.	1.8	113
49	Efficient and targeted drug/siRNA co-delivery mediated by reversibly crosslinked polymersomes toward anti-inflammatory treatment of ulcerative colitis (UC). Nano Research, 2019, 12, 659-667.	5.8	33
50	Albumin as a â€œTrojan Horseâ€•for polymeric nanoconjugate transendothelial transport across tumor vasculatures for improved cancer targeting. Biomaterials Science, 2018, 6, 1189-1200.	2.6	19
51	Nonviral gene editing via CRISPR/Cas9 delivery by membrane-disruptive and endosomolytic helical polypeptide. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4903-4908.	3.3	223
52	Far-red light-mediated programmable anti-cancer gene delivery in cooperation with photodynamic therapy. Biomaterials, 2018, 171, 72-82.	5.7	77
53	Effective and Selective Antiâ€Cancer Protein Delivery via Allâ€Functionsâ€inâ€One Nanocarriers Coupled with Visible Lightâ€Responsive, Reversible Protein Engineering. Advanced Functional Materials, 2018, 28, 1706710.	7.8	98
54	Selective cancer treatment <i>via</i> photodynamic sensitization of hypoxia-responsive drug delivery. Nanoscale, 2018, 10, 2856-2865.	2.8	81

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55	High Drug Loading and Sub-Quantitative Loading Efficiency of Polymeric Micelles Driven by Donorâ€"Receptor Coordination Interactions. Journal of the American Chemical Society, 2018, 140, 1235-1238.	6.6	236
56	Photoresponsive Drug/Gene Delivery Systems. Biomacromolecules, 2018, 19, 1840-1857.	2.6	95
57	Efficient Gene Delivery Mediated by a Helical Polypeptide: Controlling the Membrane Activity via Multivalency and Light-Assisted Photochemical Internalization (PCI). ACS Applied Materials & Interfaces, 2018, 10, 256-266.	4.0	33
58	Biodegradable Nanoparticles Mediated Co-delivery of Erlotinib (ELTN) and Fedratinib (FDTN) Toward the Treatment of ELTN-Resistant Non-small Cell Lung Cancer (NSCLC) via Suppression of the JAK2/STAT3 Signaling Pathway. Frontiers in Pharmacology, 2018, 9, 1214.	1.6	37
59	Systemic siRNA delivery to tumors by cell-penetrating Î±-helical polypeptide-based metastable nanoparticles. Nanoscale, 2018, 10, 15339-15349.	2.8	37
60	Macrophage-targeting and reactive oxygen species (ROS)-responsive nanopolyplexes mediate anti-inflammatory siRNA delivery against acute liver failure (ALF). Biomaterials Science, 2018, 6, 1986-1993.	2.6	42
61	Photodynamic therapy-mediated remote control of chemotherapy toward synergistic anticancer treatment. Nanoscale, 2018, 10, 14554-14562.	2.8	26
62	Bio-nano interface: The impact of biological environment on nanomaterials and their delivery properties. Journal of Controlled Release, 2017, 263, 211-222.	4.8	57
63	Gene delivery into isolated Arabidopsis thaliana protoplasts and intact leaves using cationic, Î±-helical polypeptide. Frontiers of Chemical Science and Engineering, 2017, 11, 521-528.	2.3	17
64	Interactions between Membranes and â€œMetaphilicâ€•Polypeptide Architectures with Diverse Side-Chain Populations. ACS Nano, 2017, 11, 2858-2871.	7.3	41
65	Harmonizing the Intracellular Kinetics toward Effective Gene Delivery Using Cancer Cell-Targeted and Light-Degradable Polyplexes. Biomacromolecules, 2017, 18, 877-885.	2.6	13
66	Investigation on the controlled synthesis and post-modification of poly-[(N-2-hydroxyethyl)-aspartamide]-based polymers. Polymer Chemistry, 2017, 8, 1872-1877.	1.9	11
67	Selective in vivo metabolic cell-labeling-mediated cancer targeting. Nature Chemical Biology, 2017, 13, 415-424.	3.9	274
68	Manipulating the membrane penetration mechanism of helical polypeptides via aromatic modification for efficient gene delivery. Acta Biomaterialia, 2017, 58, 146-157.	4.1	27
69	Serum-resistant, reactive oxygen species (ROS)-potentiated gene delivery in cancer cells mediated by fluorinated, diselenide-crosslinked polyplexes. Biomaterials Science, 2017, 5, 1174-1182.	2.6	34
70	Synthetic polypeptides: from polymer design to supramolecular assembly and biomedical application. Chemical Society Reviews, 2017, 46, 6570-6599.	18.7	290
71	Modulation of polypeptide conformation through donorâ€"acceptor transformation of side-chain hydrogen bonding ligands. Nature Communications, 2017, 8, 92.	5.8	51
72	Selective killing of <i>Helicobacter pylori</i> with pH-responsive helixâ€"coil conformation transitionable antimicrobial polypeptides. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12675-12680.	3.3	121

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73	Manipulating tumor hypoxia toward enhanced photodynamic therapy (PDT). Biomaterials Science, 2017, 5, 1500-1511.	2.6	254
74	Bacteriaâ€Assisted Activation of Antimicrobial Polypeptides by a Randomâ€Coil to Helix Transition. Angewandte Chemie - International Edition, 2017, 56, 10826-10829.	7.2	108
75	Cationic Polypeptoids with Optimized Molecular Characteristics toward Efficient Nonviral Gene Delivery. ACS Applied Materials & Interfaces, 2017, 9, 23476-23486.	4.0	24
76	Engineering the Aromaticity of Cationic Helical Polypeptides toward â€œSelf-Activatedâ€•DNA/siRNA Delivery. ACS Applied Materials & Interfaces, 2017, 9, 23586-23601.	4.0	37
77	Suppression of Hepatic Inflammation <i>via</i> Systemic siRNA Delivery by Membrane-Disruptive and Endosomolytic Helical Polypeptide Hybrid Nanoparticles. ACS Nano, 2016, 10, 1859-1870.	7.3	107
78	Ionic Î±â€helical polypeptides toward nonviral gene delivery. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 98-110.	3.3	13
79	Redox-responsive, reversibly-crosslinked thiolated cationic helical polypeptides for efficient siRNA encapsulation and delivery. Journal of Controlled Release, 2015, 205, 231-239.	4.8	52
80	Synthesis and Biomedical Applications of Functional Poly(Î±-hydroxy acids) via Ring-Opening Polymerization of <i>O</i>-Carboxyanhydrides. Accounts of Chemical Research, 2015, 48, 1777-1787.	7.6	91
81	Reversibly Cross-Linked Polyplexes Enable Cancer-Targeted Gene Delivery via Self-Promoted DNA Release and Self-Diminished Toxicity. Biomacromolecules, 2015, 16, 1390-1400.	2.6	67
82	Enhanced non-viral gene delivery to human embryonic stem cells via small molecule-mediated transient alteration of the cell structure. Journal of Materials Chemistry B, 2014, 2, 8098-8105.	2.9	12
83	Recent advances in amino acid N-carboxyanhydrides and synthetic polypeptides: chemistry, self-assembly and biological applications. Chemical Communications, 2014, 50, 139-155.	2.2	256
84	Anticancer camptothecin-N-poly(lactic acid) nanoconjugates with facile hydrolysable linker. Polymer Chemistry, 2014, 5, 1581-1585.	1.9	19
85	Polypeptides with Quaternary Phosphonium Side Chains: Synthesis, Characterization, and Cell-Penetrating Properties. Biomacromolecules, 2014, 15, 1491-1497.	2.6	29
86	The effect of side-chain functionality and hydrophobicity on the gene delivery capabilities of cationic helical polypeptides. Biomaterials, 2014, 35, 3443-3454.	5.7	85
87	Trigger-responsive, fast-degradable poly(Î²-amino ester)s for enhanced DNA unpackaging and reduced toxicity. Biomaterials, 2014, 35, 5006-5015.	5.7	91
88	Maximizing gene delivery efficiencies of cationic helical polypeptides via balanced membrane penetration and cellular targeting. Biomaterials, 2014, 35, 1302-1314.	5.7	52
89	Helical poly(arginine) mimics with superior cell-penetrating and molecular transporting properties. Chemical Science, 2013, 4, 3839.	3.7	134
90	Nonâ€Viral Gene Delivery via Membraneâ€Penetrating, Mannoseâ€Targeting Supramolecular Selfâ€Assembled Nanocomplexes. Advanced Materials, 2013, 25, 3063-3070.	11.1	119

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91	Lightâ€Responsive Helical Polypeptides Capable of Reducing Toxicity and Unpacking DNA: Toward Nonviral Gene Delivery. Angewandte Chemie - International Edition, 2013, 52, 9182-9186.	7.2	148
92	Cationic, helical polypeptide-based gene delivery for IMR-90 fibroblasts and human embryonic stem cells. Biomaterials Science, 2013, 1, 719.	2.6	30
93	Redox-Responsive, Core Cross-Linked Polyester Micelles. ACS Macro Letters, 2013, 2, 40-44.	2.3	116
94	Reconfiguring the architectures of cationic helical polypeptides to control non-viral gene delivery. Biomaterials, 2013, 34, 2340-2349.	5.7	80
95	Non-Viral Gene Delivery via Membrane-Penetrating, Mannose-Targeting Supramolecular Self-Assembled Nanocomplexes (Adv. Mater. 22/2013). Advanced Materials, 2013, 25, 3062-3062.	11.1	1
96	Supramolecular Selfâ€Assembled Nanoparticles Mediate Oral Delivery of Therapeutic TNFâ€Î± siRNA against Systemic Inflammation. Angewandte Chemie - International Edition, 2013, 52, 5757-5761.	7.2	84
97	Redox-Responsive, Core-Cross-Linked Micelles Capable of On-Demand, Concurrent Drug Release and Structure Disassembly. Biomacromolecules, 2013, 14, 3706-3712.	2.6	160
98	Chainâ€Shattering Polymeric Therapeutics with Onâ€Demand Drugâ€Release Capability. Angewandte Chemie, 2013, 125, 6563-6567.	1.6	26
99	A Cell-penetrating Helical Polymer For siRNA Delivery to Mammalian Cells. Molecular Therapy, 2012, 20, 1599-1609.	3.7	56
100	Reactive and Bioactive Cationic Î±â€Helical Polypeptide Template for Nonviral Gene Delivery. Angewandte Chemie - International Edition, 2012, 51, 1143-1147.	7.2	162
101	Water-Soluble Poly(<scp>l</scp>-serine)s with Elongated and Charged Side-Chains: Synthesis, Conformations, and Cell-Penetrating Properties. Biomacromolecules, 2012, 13, 2609-2615.	2.6	51
102	Effects of particle size and surface charge on cellular uptake and biodistribution of polymeric nanoparticles. Biomaterials, 2010, 31, 3657-3666.	5.7	2,074
103	Thiolated trimethyl chitosan nanocomplexes as gene carriers with high in vitro and in vivo transfection efficiency. Journal of Controlled Release, 2010, 144, 46-54.	4.8	85