

Qiaobing Xu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

3,168
citations

30
h-index

55
g-index

85
ext. papers

4,105
ext. citations

10.7
avg, IF

5.64
L-index

#	Paper	IF	Citations
78	Chemical Modification of Proteins and Their Intracellular Delivery Using Lipidoid Nanoparticles.. <i>Methods in Molecular Biology</i> , 2022 , 2394, 555-573	1.4	
77	Nonviral gene editing in cancer immunotherapy 2022 , 257-272		0
76	CRISPR/Cas9 Ribonucleoprotein-Mediated Genome and Epigenome Editing in Mammalian Cells.. <i>Advanced Drug Delivery Reviews</i> , 2021 , 114087	18.5	1
75	Developing Biodegradable Lipid Nanoparticles for Intracellular mRNA Delivery and Genome Editing. <i>Accounts of Chemical Research</i> , 2021 , 54, 4001-4011	24.3	10
74	Lipid nanoparticle-mediated codelivery of Cas9 mRNA and single-guide RNA achieves liver-specific in vivo genome editing of. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	42
73	The NIH Somatic Cell Genome Editing program. <i>Nature</i> , 2021 , 592, 195-204	50.4	21
72	In situ cancer vaccination using lipidoid nanoparticles. <i>Science Advances</i> , 2021 , 7,	14.3	11
71	Scaffold-mediated CRISPR-Cas9 delivery system for acute myeloid leukemia therapy. <i>Science Advances</i> , 2021 , 7,	14.3	15
70	Enhanced protein degradation by intracellular delivery of pre-fused PROTACs using lipid-like nanoparticles. <i>Journal of Controlled Release</i> , 2021 , 330, 1244-1249	11.7	5
69	mRNA Delivery Using Bioreducible Lipidoid Nanoparticles Facilitates Neural Differentiation of Human Mesenchymal Stem Cells. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2000938	10.1	7
68	Osteogenic effects of microRNA-335-5p/lipidoid nanoparticles coated on titanium surface. <i>Archives of Oral Biology</i> , 2021 , 129, 105207	2.8	0
67	Study the lipidoid nanoparticle mediated genome editing protein delivery using 3D intestinal tissue model. <i>Bioactive Materials</i> , 2021 , 6, 3671-3677	16.7	1
66	Protein and mRNA Delivery Enabled by Cholesteryl-Based Biodegradable Lipidoid Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14957-14964	16.4	23
65	The Construction of Biomimetic Cementum Through a Combination of Bioskiving and Fluorine-Containing Biomineralization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 341	5.8	5
64	Protein and mRNA Delivery Enabled by Cholesteryl-Based Biodegradable Lipidoid Nanoparticles. <i>Angewandte Chemie</i> , 2020 , 132, 15067-15074	3.6	5
63	Combinatorial Library of Cyclic Benzylidene Acetal-Containing pH-Responsive Lipidoid Nanoparticles for Intracellular mRNA Delivery. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1835-1843	6.3	4
62	Lipid-Saporin Nanoparticles for the Intracellular Delivery of Cytotoxic Protein to Overcome ABC Transporter-Mediated Multidrug Resistance In Vitro and In Vivo. <i>Cancers</i> , 2020 , 12,	6.6	3

61	Efficient Delivery of Antisense Oligonucleotides Using Bioreducible Lipid Nanoparticles In Vitro and In Vivo. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 19, 1357-1367	10.7	24
60	Ex vivo cell-based CRISPR/Cas9 genome editing for therapeutic applications. <i>Biomaterials</i> , 2020 , 234, 119711	15.6	24
59	and Study of Amphotericin B Formulation with Quaternized Bioreducible Lipidoids. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1064-1073	5.5	9
58	Intracellular Antibody Delivery Mediated by Lipids, Polymers, and Inorganic Nanomaterials for Therapeutic Applications. <i>Advanced Therapeutics</i> , 2020 , 3, 2000178	4.9	4
57	Imidazole-Based Synthetic Lipidoids for In Vivo mRNA Delivery into Primary T Lymphocytes. <i>Angewandte Chemie</i> , 2020 , 132, 20258-20264	3.6	4
56	Imidazole-Based Synthetic Lipidoids for In Vivo mRNA Delivery into Primary T Lymphocytes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20083-20089	16.4	18
55	Neurotransmitter-derived lipidoids (NT-lipidoids) for enhanced brain delivery through intravenous injection. <i>Science Advances</i> , 2020 , 6, eabb4429	14.3	24
54	3D Printing of Silk Protein Structures by Aqueous Solvent-Directed Molecular Assembly. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900191	5.5	22
53	Evaluation of an elastic decellularized tendon-derived scaffold for the vascular tissue engineering application. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1225-1234	5.4	13
52	Fast and Efficient CRISPR/Cas9 Genome Editing In Vivo Enabled by Bioreducible Lipid and Messenger RNA Nanoparticles. <i>Advanced Materials</i> , 2019 , 31, e1902575	24	140
51	Combinatorial Library of Light-Cleavable Lipidoid Nanoparticles for Intracellular Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2391-2398	5.5	9
50	A novel xenograft mouse model for testing approaches targeting human kappa light-chain diseases. <i>Gene Therapy</i> , 2019 , 26, 187-197	4	6
49	Developing chemically modified redox-responsive proteins as smart therapeutics. <i>Chemical Communications</i> , 2019 , 55, 5163-5166	5.8	10
48	Intracellular delivery and biodistribution study of CRISPR/Cas9 ribonucleoprotein loaded bioreducible lipidoid nanoparticles. <i>Biomaterials Science</i> , 2019 , 7, 596-606	7.4	49
47	Nonviral Nanoparticles for CRISPR-Based Genome Editing: Is It Just a Simple Adaption of What Have Been Developed for Nucleic Acid Delivery?. <i>Biomacromolecules</i> , 2019 , 20, 3333-3339	6.9	12
46	Design of Silk-Elastin-Like Protein Nanoparticle Systems with Mucoadhesive Properties. <i>Journal of Functional Biomaterials</i> , 2019 , 10,	4.8	9
45	Polymer Amphiphiles for Photoregulated Anticancer Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2814-2820	9.5	13
44	Integrating Combinatorial Lipid Nanoparticle and Chemically Modified Protein for Intracellular Delivery and Genome Editing. <i>Accounts of Chemical Research</i> , 2019 , 52, 665-675	24.3	64

43	Intracellular Delivery of His-Tagged Genome-Editing Proteins Enabled by Nitrilotriacetic Acid-Containing Lipidoid Nanoparticles. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1800996	10.1	20
42	Treatment of autosomal dominant hearing loss by in vivo delivery of genome editing agents. <i>Nature</i> , 2018 , 553, 217-221	50.4	286
41	Engineering the Delivery System for CRISPR-Based Genome Editing. <i>Trends in Biotechnology</i> , 2018 , 36, 173-185	15.1	170
40	Combinatorial library of chalcogen-containing lipidoids for intracellular delivery of genome-editing proteins. <i>Biomaterials</i> , 2018 , 178, 652-662	15.6	45
39	Rescued from the fate of neurological disorder. <i>Nature Biomedical Engineering</i> , 2018 , 2, 469-470	19	3
38	Targeted delivery of immune therapeutics to lymph nodes prolongs cardiac allograft survival. <i>Journal of Clinical Investigation</i> , 2018 , 128, 4770-4786	15.9	38
37	Effective Lipidoid Nanoparticle Delivery In Vivo of siRNA Targeting Kappa Light Chain Production in a Murine Xenograft Model. <i>Blood</i> , 2018 , 132, 3208-3208	2.2	1
36	Design and synthesis of novel sandwich-type C@TiO ₂ @C hollow microspheres as efficient sulfur hosts for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1630-1638	13	63
35	A novel Lipidoid-MicroRNA formulation promotes calvarial bone regeneration. <i>Biomaterials</i> , 2018 , 177, 88-97	15.6	33
34	Hyaluronic acid modification of RNase A and its intracellular delivery using lipid-like nanoparticles. <i>Journal of Controlled Release</i> , 2017 , 263, 39-45	11.7	37
33	Hyper-Crosslinkers Lead to Temperature- and pH-Responsive Polymeric Nanogels with Unusual Volume Change. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2623-2627	16.4	17
32	Hyper-Crosslinkers Lead to Temperature- and pH-Responsive Polymeric Nanogels with Unusual Volume Change. <i>Angewandte Chemie</i> , 2017 , 129, 2667-2671	3.6	1
31	Active Targeting of the Nucleus Using Nonpeptidic Boronate Tags. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8547-8551	16.4	46
30	Janus Gold Nanoplatform for Synergetic Chemoradiotherapy and Computed Tomography Imaging of Hepatocellular Carcinoma. <i>ACS Nano</i> , 2017 , 11, 12732-12741	16.7	108
29	Nanoparticles for CRISPR-Cas9 delivery. <i>Nature Biomedical Engineering</i> , 2017 , 1, 854-855	19	39
28	Triggered Release of Encapsulated Cargo from Photoresponsive Polyelectrolyte Nanocomplexes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23517-22	9.5	16
27	A toolkit of thread-based microfluidics, sensors, and electronics for 3D tissue embedding for medical diagnostics. <i>Microsystems and Nanoengineering</i> , 2016 , 2, 16039	7.7	124
26	Intracellular delivery of the PTEN protein using cationic lipidoids for cancer therapy. <i>Biomaterials Science</i> , 2016 , 4, 1773-1780	7.4	24

25	Chemically Engineered Nanoparticle-Protein Interface for Real-Time Cellular Oxidative Stress Monitoring. <i>Small</i> , 2016 , 12, 3775-9	11	15
24	Synthetic bioreducible lipid-based nanoparticles for miRNA delivery to mesenchymal stem cells to induce neuronal differentiation. <i>Bioengineering and Translational Medicine</i> , 2016 , 1, 160-167	14.8	11
23	Efficient delivery of genome-editing proteins using bioreducible lipid nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2868-73	11.5	367
22	Biocompatibility and degradation of tendon-derived scaffolds. <i>International Journal of Energy Production and Management</i> , 2016 , 3, 1-11	5.3	30
21	In Vivo Peripheral Nerve Repair Using Tendon-Derived Nerve Guidance Conduits. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 937-945	5.5	10
20	Live-vaccinia virus encapsulation in pH-sensitive polymer increases safety of a reservoir-targeted Lyme disease vaccine by targeting gastrointestinal release. <i>Vaccine</i> , 2016 , 34, 4507-4513	4.1	10
19	Nanostructured Tendon-Derived Scaffolds for Enhanced Bone Regeneration by Human Adipose-Derived Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22819-29	9.5	24
18	Neuronal Differentiation of Human Mesenchymal Stem Cells Using Exosomes Derived from Differentiating Neuronal Cells. <i>PLoS ONE</i> , 2015 , 10, e0135111	3.7	102
17	Combinatorial library strategies for synthesis of cationic lipid-like nanoparticles and their potential medical applications. <i>Nanomedicine</i> , 2015 , 10, 643-57	5.6	41
16	Laminar Tendon Composites with Enhanced Mechanical Properties. <i>Journal of Materials Science</i> , 2015 , 50, 2616-2625	4.3	16
15	Integrating Protein Engineering and Bioorthogonal Click Conjugation for Extracellular Vesicle Modulation and Intracellular Delivery. <i>PLoS ONE</i> , 2015 , 10, e0141860	3.7	54
14	Synthetic and nature-derived lipid nanoparticles for neural regeneration. <i>Neural Regeneration Research</i> , 2015 , 10, 689-90	4.5	11
13	The behavior of neuronal cells on tendon-derived collagen sheets as potential substrates for nerve regeneration. <i>Biomaterials</i> , 2014 , 35, 3551-7	15.6	25
12	Enhanced intracellular siRNA delivery using bioreducible lipid-like nanoparticles. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1398-403	10.1	66
11	Reactive oxygen species-responsive protein modification and its intracellular delivery for targeted cancer therapy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13444-8	16.4	178
10	High Throughput Screening of Dynamic Silk-Elastin-Like Protein Biomaterials. <i>Advanced Functional Materials</i> , 2014 , 24, 4303-4310	15.6	49
9	Combinatorially Designed Lipid-like Nanoparticles for Intracellular Delivery of Cytotoxic Protein for Cancer Therapy. <i>Angewandte Chemie</i> , 2014 , 126, 2937-2942	3.6	50
8	BIOINSPIRED FABRICATION OF NANOSTRUCTURES FROM TISSUE SLICES. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2014 , 1-16	0.1	5

7	Combinatorially designed lipid-like nanoparticles for intracellular delivery of cytotoxic protein for cancer therapy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2893-8	16.4	180
6	Pericellular Hydrogel/Nanonets Inhibit Cancer Cells. <i>Angewandte Chemie</i> , 2014 , 126, 8242-8245	3.6	36
5	Reactive Oxygen Species-Responsive Protein Modification and Its Intracellular Delivery for Targeted Cancer Therapy. <i>Angewandte Chemie</i> , 2014 , 126, 13662-13666	3.6	38
4	All electronic approach for high-throughput cell trapping and lysis with electrical impedance monitoring. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 462-7	11.8	27
3	DOPE facilitates quaternized lipidoids (QLDs) for in vitro DNA delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 849-54	6	31
2	A combinatorial library of unsaturated lipidoids for efficient intracellular gene delivery. <i>ACS Synthetic Biology</i> , 2012 , 1, 403-7	5.7	40
1	Combinatorial library of lipidoids for in vitro DNA delivery. <i>Bioconjugate Chemistry</i> , 2012 , 23, 135-40	6.3	59