

# Zi-Xian Liao

## List of Publications by Year in descending order

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43  
papers

3,027  
citations

218677

26  
h-index

254184

43  
g-index

45  
all docs

45  
docs citations

45  
times ranked

5897  
citing authors

#	ARTICLE	IF	CITATIONS
1	Macrophage Distribution Affected by Virus-Encoded Granulocyte Macrophage Colony Stimulating Factor Combined with Lactate Oxidase. <i>ACS Omega</i> , 2022, 7, 24020-24026.	3.5	4
2	ROP and ATRP fabricated redox sensitive micelles based on PCL-SS-PMAA diblock copolymers to co-deliver PTX and CDDP for lung cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 198, 111443.	5.0	21
3	Enhanced Targeting and Immune Activation of Tumor Microenvironment by Nanomodified Anti-EPD1 in Liver Cancer. <i>Advanced Therapeutics</i> , 2021, 4, 2100048.	3.2	7
4	Potential therapeutics using tumor-secreted lactate in nonsmall cell lung cancer. <i>Drug Discovery Today</i> , 2021, 26, 2508-2514.	6.4	24
5	Synergistic Effect of Repolarization of M2 to M1 Macrophages Induced by Iron Oxide Nanoparticles Combined with Lactate Oxidase. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13346.	4.1	7
6	Dual Stimuli-Responsive Block Copolymers with Adjacent Redox- and Photo-Cleavable Linkages for Smart Drug Delivery. <i>Biomacromolecules</i> , 2020, 21, 3342-3352.	5.4	17
7	Nanomodified strategies to overcome EGFR-tyrosine kinase inhibitors resistance in non-small cell lung cancer. <i>Journal of Controlled Release</i> , 2020, 324, 482-492.	9.9	16
8	CS-PEI/Beclin-siRNA Downregulate Multidrug Resistance Proteins and Increase Paclitaxel Therapeutic Efficacy against NSCLC. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 17, 477-490.	5.1	25
9	Repolarization of M2 to M1 Macrophages Triggered by Lactate Oxidase Released from Methylcellulose Hydrogel. <i>Bioconjugate Chemistry</i> , 2019, 30, 2697-2702.	3.6	30
10	Microscale RNA Interference using Iron Oxide Nanoparticle-modified Lentivirus. <i>ChemNanoMat</i> , 2018, 4, 98-102.	2.8	5
11	Targeting Tumor Microenvironment by Bioreduction-Activated Nanoparticles for Light-Triggered Virotherapy. <i>ACS Nano</i> , 2018, 12, 9894-9902.	14.6	61
12	Magnetically Guided Viral Transduction of Gene-Based Sensitization for Localized Photodynamic Therapy To Overcome Multidrug Resistance in Breast Cancer Cells. <i>Bioconjugate Chemistry</i> , 2017, 28, 1702-1708.	3.6	11
13	Release of Doxorubicin by a Folate-Grafted, Chitosan-Coated Magnetic Nanoparticle. <i>Nanomaterials</i> , 2017, 7, 85.	4.1	42
14	Light-triggered methylcellulose gold nanoparticle hydrogels for leptin release to inhibit fat stores in adipocytes. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7603-7611.	6.7	12
15	Cellular Organelle-Dependent Cytotoxicity of Iron Oxide Nanoparticles and Its Implications for Cancer Diagnosis and Treatment: A Mechanistic Investigation. <i>Chemistry of Materials</i> , 2016, 28, 9017-9025.	6.7	31
16	The synthesis and comparison of chondroitin sulfate-modified PDMAEMA with chondroitin sulfate-modified PEI as a potential gene delivery vector. <i>RSC Advances</i> , 2016, 6, 38209-38222.	3.6	3
17	Remote Control of Light-Triggered Virotherapy. <i>ACS Nano</i> , 2016, 10, 10339-10346.	14.6	31
18	Corrigendum to "Environmental pH-sensitive polymeric nano-carriers for targeted tumor delivery" [J. Control. Release 213 (2015) e46-e47]. <i>Journal of Controlled Release</i> , 2015, 218, 1.	9.9	0

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19	Highly specific in vivo gene delivery for p53-mediated apoptosis and genetic photodynamic therapies of tumour. <i>Nature Communications</i> , 2015, 6, 6456.	12.8	99
20	Photothermal Agents: Effective Photothermal Killing of Pathogenic Bacteria by Using Spatially Tunable Colloidal Gels with Nano-Localized Heating Sources ( <i>Adv. Funct. Mater.</i> 5/2015). <i>Advanced Functional Materials</i> , 2015, 25, 720-720.	14.9	2
21	An AS1411 aptamer-conjugated liposomal system containing a bubble-generating agent for tumor-specific chemotherapy that overcomes multidrug resistance. <i>Journal of Controlled Release</i> , 2015, 208, 42-51.	9.9	119
22	Effective Photothermal Killing of Pathogenic Bacteria by Using Spatially Tunable Colloidal Gels with Nano-Localized Heating Sources. <i>Advanced Functional Materials</i> , 2015, 25, 721-728.	14.9	132
23	Photothermal tumor ablation in mice with repeated therapy sessions using NIR-absorbing micellar hydrogels formed in situ. <i>Biomaterials</i> , 2015, 56, 26-35.	11.4	93
24	Chondroitin sulfate-polyethylenimine copolymer-coated superparamagnetic iron oxide nanoparticles as an efficient magneto-gene carrier for microRNA-encoding plasmid DNA delivery. <i>Nanoscale</i> , 2015, 7, 8554-8565.	5.6	58
25	Environmental pH-sensitive polymeric nano-carriers for targeted tumor delivery. <i>Journal of Controlled Release</i> , 2015, 213, e46-e47.	9.9	0
26	Highly cited research articles in <i>Journal of Controlled Release</i> : Commentaries and perspectives by authors. <i>Journal of Controlled Release</i> , 2014, 190, 29-74.	9.9	394
27	Enhancement of efficiency of chitosan-based complexes for gene transfection with poly( $\beta$ -glutamic) Tj ETQq1 1 0.784314 rgBT /Over 2014, 193, 304-315.	9.9	30
28	Nanoparticles with Dual Responses to Oxidative Stress and Reduced pH for Drug Release and Anti-inflammatory Applications. <i>ACS Nano</i> , 2014, 8, 1213-1221.	14.6	162
29	A genetically-encoded KillerRed protein as an intrinsically generated photosensitizer for photodynamic therapy. <i>Biomaterials</i> , 2014, 35, 500-508.	11.4	56
30	Injectable Cell Constructs Fabricated via Culture on a Thermoresponsive Methylcellulose Hydrogel System for the Treatment of Ischemic Diseases. <i>Advanced Healthcare Materials</i> , 2014, 3, 1133-1148.	7.6	29
31	Disulfide bond-conjugated dual PEGylated siRNAs for prolonged multiple gene silencing. <i>Biomaterials</i> , 2013, 34, 6930-6937.	11.4	13
32	Real-time visualization of pH-responsive PLGA hollow particles containing a gas-generating agent targeted for acidic organelles for overcoming multi-drug resistance. <i>Biomaterials</i> , 2013, 34, 1-10.	11.4	111
33	Recent advances in chitosan-based nanoparticles for oral delivery of macromolecules. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 865-879.	13.7	373
34	Electrical coupling of isolated cardiomyocyte clusters grown on aligned conductive nanofibrous meshes for their synchronized beating. <i>Biomaterials</i> , 2013, 34, 1063-1072.	11.4	228
35	Controlled hydrogel photopolymerization inside live systems by X-ray irradiation. <i>Soft Matter</i> , 2012, 8, 1420-1427.	2.7	27
36	A Liposomal System Capable of Generating CO <sub>2</sub> Bubbles to Induce Transient Cavitation, Lysosomal Rupturing, and Cell Necrosis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10089-10093.	13.8	112

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37	pH-Responsive Nanoparticles Shelled with Chitosan for Oral Delivery of Insulin: From Mechanism to Therapeutic Applications. <i>Accounts of Chemical Research</i> , 2012, 45, 619-629.	15.6	206
38	Mechanistic study of transfection of chitosan/DNA complexes coated by anionic poly( $\hat{\imath}^3$ -glutamic acid). <i>Biomaterials</i> , 2012, 33, 3306-3315.	11.4	63
39	Chitosan: Its Applications in Drug-Eluting Devices. <i>Advances in Polymer Science</i> , 2011, , 185-230.	0.8	28
40	Self-organized nanoparticles prepared by guanidine- and disulfide-modified chitosan as a gene delivery carrier. <i>Journal of Materials Chemistry</i> , 2011, 21, 16918.	6.7	33
41	Mechanisms of cellular uptake and intracellular trafficking with chitosan/DNA/poly( $\hat{\imath}^3$ -glutamic acid) complexes as a gene delivery vector. <i>Biomaterials</i> , 2011, 32, 239-248.	11.4	154
42	Effects of the nanostructure of dendrimer/DNA complexes on their endocytosis and gene expression. <i>Biomaterials</i> , 2010, 31, 5660-5670.	11.4	65
43	Enhancement of efficiencies of the cellular uptake and gene silencing of chitosan/siRNA complexes via the inclusion of a negatively charged poly( $\hat{\imath}^3$ -glutamic acid). <i>Biomaterials</i> , 2010, 31, 8780-8788.	11.4	67