Yiyan He

List of Publications by Year
in descending order

34	1,435	361413	395702
papers	citations	20 h-index	33 g-index

36	36	36	2102
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyethyleneimine/DNA polyplexes with reduction-sensitive hyaluronic acid derivatives shielding for targeted gene delivery. Biomaterials, 2013, 34, 1235-1245.	11.4	198
2	Injectable Adhesive Self-Healing Multicross-Linked Double-Network Hydrogel Facilitates Full-Thickness Skin Wound Healing. ACS Applied Materials & Interfaces, 2020, 12, 57782-57797.	8.0	154
3	Viral Mimicking Ternary Polyplexes: A Reductionâ€Controlled Hierarchical Unpacking Vector for Gene Delivery. Advanced Materials, 2014, 26, 1534-1540.	21.0	119
4	A double-network polysaccharide-based composite hydrogel for skin wound healing. Carbohydrate Polymers, 2021, 261, 117870.	10.2	115
5	Virusâ€Inspired Mimics Based on Dendritic Lipopeptides for Efficient Tumorâ€Specific Infection and Systemic Drug Delivery. Advanced Functional Materials, 2015, 25, 5250-5260.	14.9	74
6	An Oxygen Self-sufficient Fluorinated Nanoplatform for Relieved Tumor Hypoxia and Enhanced Photodynamic Therapy of Cancers. ACS Applied Materials & Interfaces, 2019, 11, 7731-7742.	8.0	69
7	Supramolecular PEGylated Dendritic Systems as pH/Redox Dual-Responsive Theranostic Nanoplatforms for Platinum Drug Delivery and NIR Imaging. Theranostics, 2016, 6, 1293-1305.	10.0	68
8	Fast and High Strength Soft Tissue Bioadhesives Based on a Peptide Dendrimer with Antimicrobial Properties and Hemostatic Ability. ACS Applied Materials & Interfaces, 2020, 12, 4241-4253.	8.0	63
9	pHâ€Triggered Pinpointed Cascading Chargeâ€Conversion and Redoxâ€Controlled Gene Release Design: Modularized Fabrication for Nonviral Gene Transfection. Advanced Functional Materials, 2017, 27, 1701571.	14.9	57
10	Influence of reduction-sensitive diselenide bonds and disulfide bonds on oligoethylenimine conjugates for gene delivery. Journal of Materials Chemistry B, 2014, 2, 7210-7221.	5.8	53
11	Development of a reduction-sensitive diselenide-conjugated oligoethylenimine nanoparticulate system as a gene carrier. International Journal of Nanomedicine, 2012, 7, 3991.	6.7	49
12	Gallium(III)-Mediated Dual-Cross-Linked Alginate Hydrogels with Antibacterial Properties for Promoting Infected Wound Healing. ACS Applied Materials & Interfaces, 2022, 14, 22426-22442.	8.0	36
13	Specially-Made Lipid-Based Assemblies for Improving Transmembrane Gene Delivery: Comparison of Basic Amino Acid Residue Rich Periphery. Molecular Pharmaceutics, 2016, 13, 1809-1821.	4.6	34
14	Highly Stable Fluorinated Nanocarriers with iRGD for Overcoming the Stability Dilemma and Enhancing Tumor Penetration in an Orthotopic Breast Cancer. ACS Applied Materials & Interfaces, 2016, 8, 28468-28479.	8.0	34
15	Bioinspired design of mannose-decorated globular lysine dendrimers promotes diabetic wound healing by orchestrating appropriate macrophage polarization. Biomaterials, 2022, 280, 121323.	11.4	30
16	p53 mediated apoptosis by reduction sensitive shielding ternary complexes based on disulfide linked PEI ternary complexes. Biomaterials, 2014, 35, 1657-1666.	11.4	28
17	Multifunctional polysaccharide hydrogels for skin wound healing prepared by photoinitiator-free crosslinking. Carbohydrate Polymers, 2022, 285, 119254.	10.2	26
18	Reactive Oxygen Species (ROS)-Degradable Polymeric Nanoplatform for Hypoxia-Targeted Gene Delivery: Unpacking DNA and Reducing Toxicity. Biomacromolecules, 2019, 20, 1899-1913.	5.4	24

#	Article	IF	Citations
19	Insight into the efficient transfection activity of a designed low aggregated magnetic polyethyleneimine/DNA complex in serum-containing medium and the application in vivo. Biomaterials Science, 2015, 3, 446-456.	5.4	22
20	Self-assembly of pH-sensitive fluorinated peptide dendron functionalized dextran nanoparticles for on-demand intracellular drug delivery. Journal of Materials Science: Materials in Medicine, 2015, 26, 219.	3.6	20
21	Cyclodextrin-grafted poly(anhydride) nanoparticles for oral glibenclamide administration. In vivo evaluation using C. elegans. International Journal of Pharmaceutics, 2018, 547, 97-105.	5.2	20
22	Tailoring the Supramolecular Structure of Guanidinylated Pullulan toward Enhanced Genetic Photodynamic Therapy. Biomacromolecules, 2018, 19, 2214-2226.	5.4	19
23	Multiâ€Responsive â€œTurnâ€Onâ€•Nanocarriers for Efficient Siteâ€Specific Gene Delivery In Vitro and In Vivo. Advanced Healthcare Materials, 2016, 5, 2799-2812.	7.6	18
24	Injectable Hydrogel Based on Modified Gelatin and Sodium Alginate for Soft-Tissue Adhesive. Frontiers in Chemistry, 2021, 9, 744099.	3.6	15
25	Low aggregation magnetic polyethyleneimine complexes with different saturation magnetization for efficient gene transfection in vitro and in vivo. RSC Advances, 2013, 3, 23571.	3.6	14
26	Chemically Grafting Carbon Nanotubes onto Carbon Fibers for Enhancing Interfacial Properties of Fiber Metal Laminate. Materials, 2020, 13, 3813.	2.9	14
27	Tailoring the supramolecular structure of amphiphilic glycopolypeptide analogue toward liver targeted drug delivery systems. International Journal of Pharmaceutics, 2017, 525, 191-202.	5.2	13
28	Bioactive hydrogels based on polysaccharides and peptides for soft tissue wound management. Journal of Materials Chemistry B, 2022, 10, 7148-7160.	5.8	13
29	Virus-Inspired Mimics: Dual-pH-Responsive Modular Nanoplatforms for Programmable Gene Delivery without DNA Damage with the Assistance of Light. ACS Applied Materials & Interfaces, 2020, 12, 22519-22533.	8.0	9
30	Tunable membrane-penetrating bioreductive nanogels based on guanidinylated dendrimers for programmable gene delivery. Applied Materials Today, 2020, 20, 100646.	4.3	9
31	Biodegradable gemcitabine-loaded microdevice with sustained local drug delivery and improved tumor recurrence inhibition abilities for postoperative pancreatic tumor treatment. Drug Delivery, 2022, 29, 1595-1607.	5.7	7
32	Bacterium-mimicking sequentially targeted therapeutic nanocomplexes based on O-carboxymethyl chitosan and their cooperative therapy by dual-modality light manipulation. Carbohydrate Polymers, 2021, 264, 118030.	10.2	6
33	Geneâ€Delivery Vectors: Viral Mimicking Ternary Polyplexes: A Reductionâ€Controlled Hierarchical Unpacking Vector for Gene Delivery (Adv. Mater. 10/2014). Advanced Materials, 2014, 26, 1632-1632.	21.0	5
34	Preparation and Evaluation of Reduction-Controlled Hierarchical Unpacking Terplexes for Gene Delivery. Biomaterial Engineering, 2022, , 361-380.	0.2	0