

# Hong-Xia Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

3,440  
citations

279798

23  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

5961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-responsive clustered nanoparticles for improved tumor penetration and therapeutic efficacy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4164-4169.	7.1	617
2	Single-layered Graphitic <sup>3</sup> N <sup>4</sup> Quantum Dots for Two-photon Fluorescence Imaging of Cellular Nucleus. Advanced Materials, 2014, 26, 4438-4443.	21.0	501
3	CRISPR/Cas9-Based Genome Editing for Disease Modeling and Therapy: Challenges and Opportunities for Nonviral Delivery. Chemical Reviews, 2017, 117, 9874-9906.	47.7	418
4	Systemic delivery of siRNA with cationic lipid assisted PEG-PLA nanoparticles for cancer therapy. Journal of Controlled Release, 2011, 156, 203-211.	9.9	223
5	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.	7.1	223
6	Surface charge critically affects tumor penetration and therapeutic efficacy of cancer nanomedicines. Nano Today, 2016, 11, 133-144.	11.9	208
7	The ligation of aspirin to cisplatin demonstrates significant synergistic effects on tumor cells. Chemical Communications, 2014, 50, 7427-7430.	4.1	164
8	Engineered materials for in vivo delivery of genome-editing machinery. Nature Reviews Materials, 2019, 4, 726-737.	48.7	139
9	Combination therapy with epigenetic-targeted and chemotherapeutic drugs delivered by nanoparticles to enhance the chemotherapy response and overcome resistance by breast cancer stem cells. Journal of Controlled Release, 2015, 205, 7-14.	9.9	106
10	Matrix metalloproteinase 2-responsive micelle for siRNA delivery. Biomaterials, 2014, 35, 7622-7634.	11.4	102
11	N-acetylgalactosamine functionalized mixed micellar nanoparticles for targeted delivery of siRNA to liver. Journal of Controlled Release, 2013, 166, 106-114.	9.9	79
12	HPV Oncogene Manipulation Using Nonvirally Delivered CRISPR/Cas9 or <i>Natronobacterium gregoryi</i> Argonaute. Advanced Science, 2018, 5, 1700540.	11.2	78
13	A DAMP-scavenging, IL-10-releasing hydrogel promotes neural regeneration and motor function recovery after spinal cord injury. Biomaterials, 2022, 280, 121279.	11.4	73
14	Optimizing the Size of Micellar Nanoparticles for Efficient siRNA Delivery. Advanced Functional Materials, 2015, 25, 4778-4787.	14.9	64
15	Differential Anticancer Drug Delivery with a Nanogel Sensitive to Bacteria-Accumulated Tumor Artificial Environment. ACS Nano, 2013, 7, 10636-10645.	14.6	61
16	Overcoming tumor resistance to cisplatin by cationic lipid-assisted prodrug nanoparticles. Biomaterials, 2016, 94, 9-19.	11.4	47
17	A Versatile Nonviral Delivery System for Multiplex Gene Editing in the Liver. Advanced Materials, 2020, 32, e2003537.	21.0	45
18	Extra- and intra-cellular fate of nanocarriers under dynamic interactions with biology. Nano Today, 2017, 14, 84-99.	11.9	42

#	ARTICLE	IF	CITATIONS
19	Automated evaluation of tumor spheroid behavior in 3D culture using deep learning-based recognition. <i>Biomaterials</i> , 2021, 272, 120770.	11.4	40
20	Asplatin enhances drug efficacy by altering the cellular response. <i>Metallomics</i> , 2016, 8, 672-678.	2.4	38
21	Scaffold-mediated non-viral delivery platform for CRISPR/Cas9-based genome editing. <i>Acta Biomaterialia</i> , 2019, 90, 60-70.	8.3	34
22	Atom Transfer Radical Polymerization of Multishelled Cationic Corona for the Systemic Delivery of siRNA. <i>Nano Letters</i> , 2018, 18, 314-325.	9.1	33
23	PEG-PLA nanoparticles facilitate siRNA knockdown in adult zebrafish heart. <i>Developmental Biology</i> , 2015, 406, 196-202.	2.0	27
24	Shell-detachable nanoparticles based on a light-responsive amphiphile for enhanced siRNA delivery. <i>RSC Advances</i> , 2014, 4, 1961-1964.	3.6	20
25	Identification of an Integrin $\alpha 6$ -Targeted Peptide for Nasopharyngeal Carcinoma-Specific Nanotherapeutics. <i>Advanced Therapeutics</i> , 2019, 2, 1900018.	3.2	19
26	Enhanced drug delivery to hepatocellular carcinoma with a galactosylated core-shell polyphosphoester nanogel. <i>Biomaterials Science</i> , 2013, 1, 1143.	5.4	14
27	Advanced Cell and Tissue Biomanufacturing. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2292-2307.	5.2	14
28	CRISPR/dCas9-mediated cell differentiation. <i>Current Opinion in Biomedical Engineering</i> , 2018, 7, 9-15.	3.4	7
29	Exfoliation of graphitic carbon nitride and homogeneous loading of Cu <sub>2</sub> O catalyst. <i>Solid State Sciences</i> , 2022, 129, 106915.	3.2	4
30	688. Matrix Metalloproteinase Responsive, Proximity-Activated Targeting Polymeric Nanoparticles for siRNA Delivery to Tumor Metastases. <i>Molecular Therapy</i> , 2012, 20, S266.	8.2	0