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	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
2	Exfoliation of graphitic carbon nitride and homogeneous loading of Cu2O catalyst. Solid State Sciences, 2022, 129, 106915.	3.2	4
3	Automated evaluation of tumor spheroid behavior in 3D culture using deep learning-based recognition. Biomaterials, 2021, 272, 120770.	11.4	40
4	A Versatile Nonviral Delivery System for Multiplex Geneâ€Editing in the Liver. Advanced Materials, 2020, 32, e2003537.	21.0	45
5	Engineered materials for in vivo delivery of genome-editing machinery. Nature Reviews Materials, 2019, 4, 726-737.	48.7	139
6	Identification of an Integrin Î±6â€Targeted Peptide for Nasopharyngeal Carcinomaâ€Specific Nanotherapeutics. Advanced Therapeutics, 2019, 2, 1900018.	3.2	19
7	Scaffold-mediated non-viral delivery platform for CRISPR/Cas9-based genome editing. Acta Biomaterialia, 2019, 90, 60-70.	8.3	34
8	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
9	Atom Transfer Radical Polymerization of Multishelled Cationic Corona for the Systemic Delivery of siRNA. Nano Letters, 2018, 18, 314-325.	9.1	33
10	CRISPR/dCas9-mediated cell differentiation. Current Opinion in Biomedical Engineering, 2018, 7, 9-15.	3.4	7
11	HPV Oncogene Manipulation Using Nonvirally Delivered CRISPR/Cas9 or Natronobacterium gregoryi Argonaute. Advanced Science, 2018, 5, 1700540.	11.2	78
12	Advanced Cell and Tissue Biomanufacturing. ACS Biomaterials Science and Engineering, 2018, 4, 2292-2307.	5.2	14
13	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
14	Extra- and intra-cellular fate of nanocarriers under dynamic interactions with biology. Nano Today, 2017, 14, 84-99.	11.9	42
15	Asplatin enhances drug efficacy by altering the cellular response. Metallomics, 2016, 8, 672-678.	2.4	38
16	Overcoming tumor resistance to cisplatin by cationic lipid-assisted prodrug nanoparticles. Biomaterials, 2016, 94, 9-19.	11.4	47
17	Surface charge critically affects tumor penetration and therapeutic efficacy of cancer nanomedicines. Nano Today, 2016, 11, 133-144.	11.9	208
18	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

#	Article	IF	Citations
19	Optimizing the Size of Micellar Nanoparticles for Efficient siRNA Delivery. Advanced Functional Materials, 2015, 25, 4778-4787.	14.9	64
20	PEGâ€“PLA nanoparticles facilitate siRNA knockdown in adult zebrafish heart. Developmental Biology, 2015, 406, 196-202.	2.0	27
21	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
22	Singleâ€Layered Graphitică€€₃N₄ Quantum Dots for Twoâ€Photon Fluorescence Imaging of Cellular Nucleus. Advanced Materials, 2014, 26, 4438-4443.	21.0	501
23	The ligation of aspirin to cisplatin demonstrates significant synergistic effects on tumor cells. Chemical Communications, 2014, 50, 7427-7430.	4.1	164
24	Shell-detachable nanoparticles based on a light-responsive amphiphile for enhanced siRNA delivery. RSC Advances, 2014, 4, 1961-1964.	3.6	20
25	Matrix metalloproteinase 2-responsive micelle for siRNA delivery. Biomaterials, 2014, 35, 7622-7634.	11.4	102
26	Enhanced drug delivery to hepatocellular carcinoma with a galactosylated coreâ€“shell polyphosphoester nanogel. Biomaterials Science, 2013, 1, 1143.	5.4	14
27	N-acetylgalactosamine functionalized mixed micellar nanoparticles for targeted delivery of siRNA to liver. Journal of Controlled Release, 2013, 166, 106-114.	9.9	79
28	Differential Anticancer Drug Delivery with a Nanogel Sensitive to Bacteria-Accumulated Tumor Artificial Environment. ACS Nano, 2013, 7, 10636-10645.	14.6	61
29	688. Matrix Metalloproteinase Responsive, Proximity-Activated Targeting Polymeric Nanoparticles for siRNA Delivery to Tumor Metastases. Molecular Therapy, 2012, 20, S266.	8.2	0
30	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