Hu Xiong

List of Publications by Year
in descending order

23 papers	1,698 citations	471371 17 h-index	642610 23 g-index
23 all docs	23 docs citations	23 times ranked	2502 citing authors

#	Article	IF	Citations
1	Nonâ€Viral CRISPR/Cas Gene Editing In Vitro and In Vivo Enabled by Synthetic Nanoparticle Coâ€Delivery of Cas9 mRNA and sgRNA. Angewandte Chemie - International Edition, 2017, 56, 1059-1063.	7.2	411
2	Gpr132 sensing of lactate mediates tumorâ€“macrophage interplay to promote breast cancer metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 580-585.	3.3	296
3	Modular degradable dendrimers enable small RNAs to extend survival in an aggressive liver cancer model. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 520-525.	3.3	125
4	Rapid Synthesis of a Lipocationic Polyester Library via Ring-Opening Polymerization of Functional Valerolactones for Efficacious siRNA Delivery. Journal of the American Chemical Society, 2015, 137, 9206-9209.	6.6	88
5	Tumor-Activated Water-Soluble Photosensitizers for Near-Infrared Photodynamic Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 16335-16343.	4.0	85
6	Systemic mRNA Delivery to the Lungs by Functional Polyester-based Carriers. Biomacromolecules, 2017, 18, 4307-4315.	2.6	80
7	A Fast-Responsive OFFâ€“ON Near-Infrared-II Fluorescent Probe for In Vivo Detection of Hypochlorous Acid in Rheumatoid Arthritis. Analytical Chemistry, 2021, 93, 13014-13021.	3.2	79
8	Functional polyesters enable selective siRNA delivery to lung cancer over matched normal cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5702-E5710.	3.3	67
9	Highâ€Contrast Fluorescence Detection of Metastatic Breast Cancer Including Bone and Liver Micrometastases via Sizeâ€Controlled pHâ€Activatable Waterâ€Soluble Probes. Advanced Materials, 2017, 29, 1700131.	11.1	65
10	Aerosol delivery of stabilized polyester-siRNA nanoparticles to silence gene expression in orthotopic lung tumors. Biomaterials, 2017, 118, 84-93.	5.7	60
11	Theranostic dendrimer-based lipid nanoparticles containing PEGylated BODIPY dyes for tumor imaging and systemic mRNA delivery in vivo. Journal of Controlled Release, 2020, 325, 198-205.	4.8	59
12	Activatable Water-Soluble Probes Enhance Tumor Imaging by Responding to Dysregulated pH and Exhibiting High Tumor-to-Liver Fluorescence Emission Contrast. Bioconjugate Chemistry, 2016, 27, 1737-1744.	1.8	53
13	Nonâ€Viral CRISPR/Cas Gene Editing In Vitro and In Vivo Enabled by Synthetic Nanoparticle Coâ€Delivery of Cas9 mRNA and sgRNA. Angewandte Chemie, 2017, 129, 1079-1083.	1.6	41
14	Highly Sensitive Dâ€“Aâ€“D-Type Near-Infrared Fluorescent Probe for Nitric Oxide Real-Time Imaging in Inflammatory Bowel Disease. Analytical Chemistry, 2021, 93, 4975-4983.	3.2	41
15	Tumor Imaging Based on Photon Upconversion of Pt(II) Porphyrin Rhodamine Co-modified NIR Excitable Cellulose Enhanced by Aggregation. ACS Biomaterials Science and Engineering, 2015, 1, 1206-1210.	2.6	32
16	Modular Design of High-Brightness pH-Activatable Near-Infrared BODIPY Probes for Noninvasive Fluorescence Detection of Deep-Seated Early Breast Cancer Bone Metastasis: Remarkable Axial Substituent Effect on Performance. ACS Central Science, 2021, 7, 2039-2048.	5.3	21
17	An acid-enhanced OFF-ON fluorescent probe for the detection of hypochlorous acid in rheumatoid arthritis. Talanta, 2022, 247, 123584.	2.9	18
18	Hydrophobic Domain Structure of Linear-Dendritic Poly(ethylene glycol) Lipids Affects RNA Delivery of Lipid Nanoparticles. Molecular Pharmaceutics, 2020, 17, 1575-1585.	2.3	17

#	Article	IF	Citations
19	One-pot synthesis of functional poly(amino ester sulfide)s and utility in delivering pDNA and siRNA. Polymer, 2015, 72, 271-280.	1.8	14
20	Development of pH-activatable fluorescent probes for rapid visualization of metastatic tumours and fluorescence-guided surgery via topical spraying. Chemical Communications, 2021, 57, 10636-10639.	2.2	14
21	Two birds with one stone: A highly sensitive near-infrared BODIPY-based fluorescent probe for the simultaneous detection of Fe2+ and H+ in vivo. Talanta, 2021, 233, 122601.	2.9	14
22	Intercalation-mediated nucleic acid nanoparticles for siRNA delivery. Chemical Communications, 2016, 52, 12155-12158.	2.2	11
23	Recent advances in the targeted fluorescent probes for the detection of metastatic bone cancer. Science China Chemistry, 2021, 64, 1283-1296.	4.2	7