

Xihui Gao

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,902
citations

257450

24
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

2758
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydopamine-coated nucleic acid nanogel for siRNA-mediated low-temperature photothermal therapy. <i>Biomaterials</i> , 2020, 245, 119976.	11.4	176
2	Engineering macrophage-derived exosomes for targeted chemotherapy of triple-negative breast cancer. <i>Nanoscale</i> , 2020, 12, 10854-10862.	5.6	163
3	Guiding Brainâ€Tumor Surgery via Bloodâ€Brainâ€Barrierâ€Permeable Gold Nanoprobes with Acidâ€Triggered MRI/SERRS Signals. <i>Advanced Materials</i> , 2017, 29, 1603917.	21.0	149
4	Overcoming the Bloodâ€Brain Barrier for Delivering Drugs into the Brain by Using Adenosine Receptor Nanoagonist. <i>ACS Nano</i> , 2014, 8, 3678-3689.	14.6	142
5	Rapid Detection of Exosomal MicroRNAs Using Virusâ€Mimicking Fusogenic Vesicles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8719-8723.	13.8	123
6	A Virusâ€Mimicking Nucleic Acid Nanogel Reprograms Microglia and Macrophages for Glioblastoma Therapy. <i>Advanced Materials</i> , 2021, 33, e2006116.	21.0	92
7	Rapid Detection of Exosomal MicroRNAs Using Virusâ€Mimicking Fusogenic Vesicles. <i>Angewandte Chemie</i> , 2019, 131, 8811-8815.	2.0	87
8	Two-in-One Chemogene Assembled from Drug-Integrated Antisense Oligonucleotides To Reverse Chemoresistance. <i>Journal of the American Chemical Society</i> , 2019, 141, 6955-6966.	13.7	84
9	DNA tetrahedron-based nanogels for siRNA delivery and gene silencing. <i>Chemical Communications</i> , 2019, 55, 4222-4225.	4.1	83
10	Edaravone-Encapsulated Agonistic Micelles Rescue Ischemic Brain Tissue by Tuning Blood-Brain Barrier Permeability. <i>Theranostics</i> , 2017, 7, 884-898.	10.0	71
11	A non-cationic nucleic acid nanogel for the delivery of the CRISPR/Cas9 gene editing tool. <i>Nanoscale</i> , 2019, 11, 17211-17215.	5.6	64
12	Nanoprobes Visualizing Gliomas by Crossing the Blood Brain Tumor Barrier. <i>Small</i> , 2014, 10, 426-440.	10.0	60
13	Image-guided chemotherapy with specifically tuned blood brain barrier permeability in glioma margins. <i>Theranostics</i> , 2018, 8, 3126-3137.	10.0	50
14	Defensins: The natural peptide antibiotic. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114008.	13.7	48
15	Carrier-Free Hybrid DNA Nanoparticles for Light-Induced Self-Delivery of Functional Nucleic Acid Enzymes. <i>ACS Nano</i> , 2021, 15, 1841-1849.	14.6	47
16	Up-regulating Blood Brain Barrier Permeability of Nanoparticles via Multivalent Effect. <i>Pharmaceutical Research</i> , 2013, 30, 2538-2548.	3.5	35
17	Image-guided Pro-angiogenic Therapy in Diabetic Stroke Mouse Models Using a Multi-modal Nanoprobe. <i>Theranostics</i> , 2014, 4, 787-797.	10.0	35
18	An electric-field-responsive paramagnetic contrast agent enhances the visualization of epileptic foci in mouse models of drug-resistant epilepsy. <i>Nature Biomedical Engineering</i> , 2021, 5, 278-289.	22.5	35

#	ARTICLE	IF	CITATIONS
19	An EGFRvIII targeted dual-modal gold nanoprobe for imaging-guided brain tumor surgery. <i>Nanoscale</i> , 2017, 9, 7930-7940.	5.6	34
20	A Paclitaxel-Based Mucoadhesive Nanogel with Multivalent Interactions for Cervical Cancer Therapy. <i>Small</i> , 2019, 15, e1903208.	10.0	33
21	Reaction-Based Color-Convertible Fluorescent Probe for Ferroptosis Identification. <i>Analytical Chemistry</i> , 2018, 90, 9218-9225.	6.5	31
22	Imaging Tiny Hepatic Tumor Xenografts via Endoglin-Targeted Paramagnetic/Optical Nanoprobe. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17047-17057.	8.0	30
23	Endoplasmic Reticulum-Targeted Fluorescent Nanodot with Large Stokes Shift for Vesicular Transport Monitoring and Long-Term Bioimaging. <i>Small</i> , 2018, 14, e1800223.	10.0	28
24	Metabolizable Photosensitizer with Aggregation-Induced Emission for Photodynamic Therapy. <i>Chemistry of Materials</i> , 2021, 33, 5974-5980.	6.7	25
25	Salvaging brain ischemia by increasing neuroprotectant uptake via nanoagonist mediated blood brain barrier permeability enhancement. <i>Biomaterials</i> , 2015, 66, 9-20.	11.4	24
26	Non-invasively differentiating extent of liver fibrosis by visualizing hepatic integrin α _v β ₃ expression with an MRI modality in mice. <i>Biomaterials</i> , 2016, 102, 162-174.	11.4	24
27	Nanoagonist-mediated endothelial tight junction opening: A strategy for safely increasing brain drug delivery in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1410-1424.	4.3	20
28	Living Bacteria-Based Immuno-Photodynamic Therapy: Metabolic Labeling of <i>Clostridium butyricum</i> for Eradicating Malignant Melanoma. <i>Advanced Science</i> , 2022, 9, e2105807.	11.2	19
29	Peptide-decorated nanocarriers penetrating the blood-brain barrier for imaging and therapy of brain diseases. <i>Advanced Drug Delivery Reviews</i> , 2022, 187, 114362.	13.7	17
30	Engineering extracellular vesicles for cancer therapy: recent advances and challenges in clinical translation. <i>Biomaterials Science</i> , 2020, 8, 6978-6991.	5.4	16
31	Multimodal Nanoprobes Evaluating Physiological Pore Size of Brain Vasculatures in Ischemic Stroke Models. <i>Advanced Healthcare Materials</i> , 2014, 3, 1909-1918.	7.6	14
32	Aggregation-Induced Emission Fluorophore-Based Molecular Beacon for Differentiating Tumor and Normal Cells by Detecting the Specific and False-Positive Signals. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3618-3630.	5.2	13
33	pH-responsive near-infrared nanoprobe imaging metastases by sensing acidic microenvironment. <i>RSC Advances</i> , 2014, 4, 55548-55555.	3.6	9
34	Imaging epileptic foci in mouse models via a low-density lipoprotein receptor-related protein-1 targeting strategy. <i>EBioMedicine</i> , 2021, 63, 103156.	6.1	7
35	A Fluorescent Cocktail Strategy for Differentiating Tumor, Inflammation, and Normal Cells by Detecting mRNA and H ₂ O ₂ . <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1023-1033.	5.2	5
36	Enhancing sensitivity of SERRS nanoprobes by modifying heptamethine cyanine-based reporter molecules. <i>Journal of Innovative Optical Health Sciences</i> , 2016, 09, 1642005.	1.0	4

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37	Virus-mimetic systems for cancer diagnosis and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1692.	6.1	4
38	A Novel Small Peptide H-KI20 Inhibits Retinal Neovascularization Through the JNK/ATF2 Signaling Pathway. , 2021, 62, 16.		1