Xihui Gao

List of Publications by Year
in descending order

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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	Living Bacteriaâ€Based Immunoâ€Photodynamic Therapy: Metabolic Labeling of Clostridium butyricum for Eradicating Malignant Melanoma. Advanced Science, 2022, 9, e2105807.	11.2	19
2	Peptide-decorated nanocarriers penetrating the blood-brain barrier for imaging and therapy of brain diseases. Advanced Drug Delivery Reviews, 2022, 187, 114362.	13.7	17
3	An electric-field-responsive paramagnetic contrast agent enhances the visualization of epileptic foci in mouse models of drug-resistant epilepsy. Nature Biomedical Engineering, 2021, 5, 278-289.	22.5	35
4	Imaging epileptic foci in mouse models via a low-density lipoprotein receptor-related protein-1 targeting strategy. EBioMedicine, 2021, 63, 103156.	6.1	7
5	Carrier-Free Hybrid DNA Nanoparticles for Light-Induced Self-Delivery of Functional Nucleic Acid Enzymes. ACS Nano, 2021, 15, 1841-1849.	14.6	47
6	A Virusâ€Mimicking Nucleic Acid Nanogel Reprograms Microglia and Macrophages for Glioblastoma Therapy. Advanced Materials, 2021, 33, e2006116.	21.0	92
7	Metabolizable Photosensitizer with Aggregation-Induced Emission for Photodynamic Therapy. Chemistry of Materials, 2021, 33, 5974-5980.	6.7	25
8	A Novel Small Peptide H-KI20 Inhibits Retinal Neovascularization Through the JNK/ATF2 Signaling Pathway. , 2021, 62, 16.		1
9	Defensins: The natural peptide antibiotic. Advanced Drug Delivery Reviews, 2021, 179, 114008.	13.7	48
10	Virusâ€mimetic systems for cancer diagnosis and therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1692.	6.1	4
11	Engineering extracellular vesicles for cancer therapy: recent advances and challenges in clinical translation. Biomaterials Science, 2020, 8, 6978-6991.	5.4	16
12	Polydopamine-coated nucleic acid nanogel for siRNA-mediated low-temperature photothermal therapy. Biomaterials, 2020, 245, 119976.	11.4	176
13	Engineering macrophage-derived exosomes for targeted chemotherapy of triple-negative breast cancer. Nanoscale, 2020, 12, 10854-10862.	5.6	163
14	A Paclitaxelâ€Based Mucoadhesive Nanogel with Multivalent Interactions for Cervical Cancer Therapy. Small, 2019, 15, e1903208.	10.0	33
15	A non-cationic nucleic acid nanogel for the delivery of the CRISPR/Cas9 gene editing tool. Nanoscale, 2019, 11, 17211-17215.	5.6	64
16	Aggregation-Induced Emission Fluorophore-Based Molecular Beacon for Differentiating Tumor and Normal Cells by Detecting the Specific and False-Positive Signals. ACS Biomaterials Science and Engineering, 2019, 5, 3618-3630.	5.2	13
17	Rapid Detection of Exosomal MicroRNAs Using Virusâ€Mimicking Fusogenic Vesicles. Angewandte Chemie, 2019, 131, 8811-8815.	2.0	87
18	Rapid Detection of Exosomal MicroRNAs Using Virusâ€Mimicking Fusogenic Vesicles. Angewandte Chemie - International Edition, 2019, 58, 8719-8723.	13.8	123

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19	Two-in-One Chemogene Assembled from Drug-Integrated Antisense Oligonucleotides To Reverse Chemoresistance. Journal of the American Chemical Society, 2019, 141, 6955-6966.	13.7	84
20	DNA tetrahedron-based nanogels for siRNA delivery and gene silencing. Chemical Communications, 2019, 55, 4222-4225.	4.1	83
21	A Fluorescent Cocktail Strategy for Differentiating Tumor, Inflammation, and Normal Cells by Detecting mRNA and H₂O₂. ACS Biomaterials Science and Engineering, 2019, 5, 1023-1033.	5.2	5
22	Imaging Tiny Hepatic Tumor Xenografts via Endoglin-Targeted Paramagnetic/Optical Nanoprobe. ACS Applied Materials & Interfaces, 2018, 10, 17047-17057.	8.0	30
23	Endoplasmic Reticulumâ€"Targeted Fluorescent Nanodot with Large Stokes Shift for Vesicular Transport Monitoring and Longâ€Term Bioimaging. Small, 2018, 14, e1800223.	10.0	28
24	Reaction-Based Color-Convertible Fluorescent Probe for Ferroptosis Identification. Analytical Chemistry, 2018, 90, 9218-9225.	6.5	31
25	Image-guided chemotherapy with specifically tuned blood brain barrier permeability in glioma margins. Theranostics, 2018, 8, 3126-3137.	10.0	50
26	Nanoagonist-mediated endothelial tight junction opening: A strategy for safely increasing brain drug delivery in mice. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1410-1424.	4.3	20
27	An EGFRvIII targeted dual-modal gold nanoprobe for imaging-guided brain tumor surgery. Nanoscale, 2017, 9, 7930-7940.	5.6	34
28	Guiding Brainâ€Tumor Surgery via Bloodâ€"Brainâ€Barrierâ€Permeable Gold Nanoprobes with Acidâ€Triggered MRI/SERRS Signals. Advanced Materials, 2017, 29, 1603917.	21.0	149
29	Edaravone-Encapsulated Agonistic Micelles Rescue Ischemic Brain Tissue by Tuning Blood-Brain Barrier Permeability. Theranostics, 2017, 7, 884-898.	10.0	71
30	Enhancing sensitivity of SERRS nanoprobes by modifying heptamethine cyanine-based reporter molecules. Journal of Innovative Optical Health Sciences, 2016, 09, 1642005.	1.0	4
31	Non-invasively differentiating extent of liver fibrosis by visualizing hepatic integrin Î±vÎ²3 expression with an MRI modality in mice. Biomaterials, 2016, 102, 162-174.	11.4	24
32	Salvaging brain ischemia by increasing neuroprotectant uptake via nanoagonist mediated blood brain barrier permeability enhancement. Biomaterials, 2015, 66, 9-20.	11.4	24
33	Image-guided Pro-angiogenic Therapy in Diabetic Stroke Mouse Models Using a Multi-modal Nanoprobe. Theranostics, 2014, 4, 787-797.	10.0	35
34	Nanoprobes Visualizing Gliomas by Crossing the Blood Brain Tumor Barrier. Small, 2014, 10, 426-440.	10.0	60
35	Multimodal Nanoprobes Evaluating Physiological Pore Size of Brain Vasculatures in Ischemic Stroke Models. Advanced Healthcare Materials, 2014, 3, 1909-1918.	7.6	14
36	pH-responsive near-infrared nanoprobe imaging metastases by sensing acidic microenvironment. RSC Advances, 2014, 4, 55548-55555.	3.6	9

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37	Overcoming the Bloodâ€“Brain Barrier for Delivering Drugs into the Brain by Using Adenosine Receptor Nanoagonist. ACS Nano, 2014, 8, 3678-3689.	14.6	142
38	Up-regulating Blood Brain Barrier Permeability of Nanoparticles via Multivalent Effect. Pharmaceutical Research, 2013, 30, 2538-2548.	3.5	35