

Bin Liu

List of Publications by Year in descending order

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61
papers

1,823
citations

279798

23
h-index

289244

40
g-index

61
all docs

61
docs citations

61
times ranked

2461
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hollow-Structured CuS@Cu ₂ S@Au Nanohybrid: Synergistically Enhanced Photothermal Efficiency and Photoswitchable Targeting Effect for Cancer Theranostics. <i>Advanced Materials</i> , 2017, 29, 1701266.	21.0	252
2	Molecular pharmacology of inflammation: Medicinal plants as anti-inflammatory agents. <i>Pharmacological Research</i> , 2019, 139, 126-140.	7.1	209
3	PB@PDA@Ag nanosystem for synergistically eradicating MRSA and accelerating diabetic wound healing assisted with laser irradiation. <i>Biomaterials</i> , 2020, 243, 119936.	11.4	153
4	RBC membrane camouflaged prussian blue nanoparticles for gambutolin loading and combined chemo/photothermal therapy of breast cancer. <i>Biomaterials</i> , 2019, 217, 119301.	11.4	127
5	Systematic Assessment of the Toxicity and Potential Mechanism of Graphene Derivatives <i>In Vitro</i> and <i>In Vivo</i> . <i>Toxicological Sciences</i> , 2019, 167, 269-281.	3.1	48
6	A smart drug-delivery nanosystem based on carboxylated graphene quantum dots for tumor-targeted chemotherapy. <i>Nanomedicine</i> , 2019, 14, 2011-2025.	3.3	47
7	Sequentially-targeted biomimetic nano drug system for triple-negative breast cancer ablation and lung metastasis inhibition. <i>Acta Biomaterialia</i> , 2020, 113, 554-569.	8.3	47
8	Lignans from Tujia Ethnomedicine Heilaohu: Chemical Characterization and Evaluation of Their Cytotoxicity and Antioxidant Activities. <i>Molecules</i> , 2018, 23, 2147.	3.8	38
9	Fluorescence Assay for Ribonuclease H Based on Nonlabeled Substrate and DNAzyme Assisted Cascade Amplification. <i>Analytical Chemistry</i> , 2017, 89, 11014-11020.	6.5	37
10	Biomimetic Hybrid Membrane-Coated Xuetongsu Assisted with Laser Irradiation for Efficient Rheumatoid Arthritis Therapy. <i>ACS Nano</i> , 2022, 16, 502-521.	14.6	37
11	An end-point method based on graphene oxide for RNase H analysis and inhibitors screening. <i>Biosensors and Bioelectronics</i> , 2017, 90, 103-109.	10.1	36
12	Seco-dammarane triterpenoids from the leaves of <i>Cyclocarya paliurus</i> . <i>Phytochemistry</i> , 2018, 145, 85-92.	2.9	33
13	PEGylated mBPEI-rGO nanocomposites facilitate hepatocarcinoma treatment combining photothermal therapy and chemotherapy. <i>Science Bulletin</i> , 2018, 63, 935-946.	9.0	32
14	PEGylated WS ₂ nanodrug system with erythrocyte membrane coating for chemo/photothermal therapy of cervical cancer. <i>Biomaterials Science</i> , 2020, 8, 5088-5105.	5.4	32
15	Biomimetic nanoparticles loading with gambutolin-indomethacin for chemo/photothermal therapy of cervical cancer and anti-inflammation. <i>Journal of Controlled Release</i> , 2021, 339, 259-273.	9.9	31
16	Sensitive Detection of RNase A Activity and Collaborative Drug Screening Based on rGO and Fluorescence Probe. <i>Analytical Chemistry</i> , 2018, 90, 2655-2661.	6.5	29
17	Endogenous Cys-Assisted GSH@AgNCs-rGO Nanoprobe for Real-Time Monitoring of Dynamic Change in GSH Levels Regulated by Natural Drug. <i>Analytical Chemistry</i> , 2020, 92, 1988-1996.	6.5	29
18	Silver nanoparticles coated by green graphene quantum dots for accelerating the healing of <i>MRSA</i> -infected wounds. <i>Biomaterials Science</i> , 2020, 8, 6670-6682.	5.4	29

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19	Synthesis of DNA-guided silver nanoparticles on a graphene oxide surface: enhancing the antibacterial effect and the wound healing activity. <i>RSC Advances</i> , 2018, 8, 28238-28248.	3.6	27
20	Ultrasensitive and non-labeling fluorescence assay for biothiols using enhanced silver nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 174-180.	7.8	26
21	An erythrocyte membrane coated mimetic nano-platform for chemo-phototherapy and multimodal imaging. <i>RSC Advances</i> , 2019, 9, 27911-27926.	3.6	26
22	Biosafety and biocompatibility assessment of Prussian blue nanoparticles <i>in vitro</i> and <i>in vivo</i> . <i>Nanomedicine</i> , 2020, 15, 2655-2670.	3.3	26
23	Real time monitoring of junction ribonuclease activity of RNase H using chimeric molecular beacons. <i>Analyst</i> , 2013, 138, 3238.	3.5	24
24	An ultrasensitive and simple assay for the Hepatitis C virus using a reduced graphene oxide-assisted hybridization chain reaction. <i>Analyst</i> , 2019, 144, 3972-3979.	3.5	24
25	Daptomycin and AgNP co-loaded rGO nanocomposites for specific treatment of Gram-positive bacterial infection <i>in vitro</i> and <i>in vivo</i> . <i>Biomaterials Science</i> , 2019, 7, 5097-5111.	5.4	23
26	An enhanced silver nanocluster system for cytochrome c detection and natural drug screening targeted for cytochrome c. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 485-492.	7.8	22
27	Activity assay and intracellular imaging of APE1 assisted with tetrahedral DNA nanostructure modified-dnzyme and molecular beacon. <i>Sensors and Actuators B: Chemical</i> , 2020, 317, 128203.	7.8	22
28	A hybrid membrane coating nanodrug system against gastric cancer <i>via</i> the VEGFR2/STAT3 signaling pathway. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3838-3855.	5.8	21
29	A RBC membrane-camouflaged biomimetic nanoplatform for enhanced chemo-photothermal therapy of cervical cancer. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4080-4092.	5.8	20
30	Hybrid-cell membrane-coated nanocomplex-loaded chikusetsusaponin IVa methyl ester for a combinational therapy against breast cancer assisted by Ce6. <i>Biomaterials Science</i> , 2021, 9, 2991-3004.	5.4	20
31	Multifunctional nanoparticles of sinomenine hydrochloride for treat-to-target therapy of rheumatoid arthritis via modulation of proinflammatory cytokines. <i>Journal of Controlled Release</i> , 2022, 348, 42-56.	9.9	19
32	Aptamer-tagged silver nanoclusters for cell image and Mucin1 detection <i>in vitro</i> . <i>Talanta</i> , 2019, 205, 120075.	5.5	17
33	A graphene-based fluorescent nanoprobe for simultaneous imaging of dual miRNAs in living cells. <i>Talanta</i> , 2021, 225, 121947.	5.5	16
34	An ultrasensitive fluorescence method suitable for quantitative analysis of mung bean nuclease and inhibitor screening <i>in vitro</i> and <i>in vivo</i> . <i>Biosensors and Bioelectronics</i> , 2016, 83, 169-176.	10.1	15
35	Development of a nanodrug-delivery system camouflaged by erythrocyte membranes for the chemo/phototherapy of cancer. <i>Nanomedicine</i> , 2020, 15, 691-709.	3.3	14
36	A DNzyme-rGO coupled fluorescence assay for T4PNK activity <i>in vitro</i> and intracellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127884.	7.8	14

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37	Lactate metabolism in rheumatoid arthritis: Pathogenic mechanisms and therapeutic intervention with natural compounds. <i>Phytomedicine</i> , 2022, 100, 154048.	5.3	14
38	A novel fluorescence method for activity assay and drug screening of T4 PNK by coupling rGO with ligase reaction. <i>Analyst</i> , The, 2019, 144, 1187-1196.	3.5	13
39	Increasing the sensitivity and selectivity of a GONS quenched probe for an mRNA assay assisted with duplex specific nuclease. <i>RSC Advances</i> , 2017, 7, 35629-35637.	3.6	12
40	A cascade amplification platform assisted with DNAzyme for activity analysis, kinetic study and effector screening of Fpg <i>in vitro</i> . <i>Analyst</i> , The, 2019, 144, 1731-1740.	3.5	12
41	An rGONS-based biosensor for simultaneous imaging of p53 and p21 mRNA in living cells. <i>Talanta</i> , 2019, 204, 20-28.	5.5	12
42	A rapid and sensitive method for kinetic study and activity assay of DNase I <i>in vitro</i> based on a GO-quenched hairpin probe. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3801-3809.	3.7	11
43	Sensitive RNase A detection and intracellular imaging using a natural compound-assisted tetrahedral DNA nanoprobe. <i>Chemical Communications</i> , 2020, 56, 3229-3232.	4.1	11
44	Monitoring VEGF mRNA and imaging in living cells <i>in vitro</i> using rGO-based dual fluorescent signal amplification platform. <i>Talanta</i> , 2019, 205, 120092.	5.5	10
45	Real-time monitoring and effector screening of APE1 based on rGO assisted DNA nanoprobe. <i>Analytical Biochemistry</i> , 2021, 633, 114394.	2.4	10
46	Hybrid membrane-camouflaged hollow prussian blue nanoparticles for shikonin loading and combined chemo/photothermal therapy of metastatic TNBC. <i>Materials Today Advances</i> , 2022, 14, 100245.	5.2	10
47	Fluorometric determination of RNase H via a DNAzyme conjugated to reduced graphene oxide, and its application to screening for inhibitors and activators. <i>Mikrochimica Acta</i> , 2019, 186, 335.	5.0	9
48	A pH-Driven indomethacin-loaded nanomedicine for effective rheumatoid arthritis therapy by combining with photothermal therapy. <i>Journal of Drug Targeting</i> , 2022, 30, 737-752.	4.4	9
49	DNase-targeted natural product screening based on a sensitive and selective DNase I detecting system. <i>RSC Advances</i> , 2017, 7, 30911-30918.	3.6	8
50	An ultrasensitive and simple method for alkaline phosphatase assay and targeted natural compound screening <i>in vitro</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5219-5228.	3.7	7
51	A bi-functional fluorescent probe for visualized and rapid natural drug screening via GSTs activity monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129047.	7.8	7
52	Targeting and promoting atherosclerosis regression using hybrid membrane coated nanomaterials via alleviated inflammation and enhanced autophagy. <i>Applied Materials Today</i> , 2022, 26, 101386.	4.3	7
53	A real time S1 assay at neutral pH based on graphene oxide quenched fluorescence probe. <i>Sensing and Bio-Sensing Research</i> , 2016, 7, 42-47.	4.2	6
54	A new fluorescence method for monitoring PNK activity <i>in vitro</i> , natural compounds screening and intracellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129203.	7.8	6

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55	DNAzyme and rGO based fluorescence assay for Fpg activity analysis, drug screening, and bacterial imaging. <i>Talanta</i> , 2020, 218, 121158.	5.5	6
56	Ofloxacin-loaded HMPB NPs for <i>Klebsiella pneumoniae</i> eradication in the surgical wound with the combination of PTT. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1949-1964.	3.3	6
57	A radar-like DNA monitor for RNase H-targeted natural compounds screening and RNase H activity <i>in situ</i> detection. <i>Analyst</i> , The, 2021, 146, 5980-5987.	3.5	5
58	Anti-Inflammatory Effects of Ginsenoside Rb3 in LPS-Induced Macrophages Through Direct Inhibition of TLR4 Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2022, 13, 714554.	3.5	4
59	RNase A activity analysis and imaging using label-free DNA-templated silver nanoclusters. <i>Talanta</i> , 2020, 209, 120512.	5.5	3
60	Cytotoxicity of Schisandronic Acid from <i>Kadsura coccinea</i> by Activation of Caspase-3, Cleavage of poly-ADP Ribose Polymerase, and Reduction of Oxidative Stress. <i>Revista Brasileira De Farmacognosia</i> , 2021, 31, 51-58.	1.4	3
61	A rGO-DNAzyme assisted fluorescence method for sensitive RNase A activity assay and natural compound screening. <i>Analytical Methods</i> , 2021, 13, 4298-4306.	2.7	0