

Libing Fu

List of Publications by Year in descending order

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100
papers

6,043
citations

94433

37
h-index

74163

75
g-index

107
all docs

107
docs citations

107
times ranked

9061
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling upconversion nanocrystals for emerging applications. <i>Nature Nanotechnology</i> , 2015, 10, 924-936.	31.5	1,221
2	Coordination Tunes Selectivity: Two-Electron Oxygen Reduction on High-Loading Molybdenum Single-Atom Catalysts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9171-9176.	13.8	379
3	Capturing functional two-dimensional nanosheets from sandwich-structure vermiculite for cancer theranostics. <i>Nature Communications</i> , 2021, 12, 1124.	12.8	227
4	Regulating Electrocatalysts via Surface and Interface Engineering for Acidic Water Electrooxidation. <i>ACS Energy Letters</i> , 2019, 4, 2719-2730.	17.4	218
5	Glutathione-Responsive Prodrug Nanoparticles for Effective Drug Delivery and Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 357-370.	14.6	204
6	ROS-Responsive Polymeric siRNA Nanomedicine Stabilized by Triple Interactions for the Robust Glioblastoma Combinational RNAi Therapy. <i>Advanced Materials</i> , 2019, 31, e1903277.	21.0	155
7	Effective and Targeted Human Orthotopic Glioblastoma Xenograft Therapy via a Multifunctional Biomimetic Nanomedicine. <i>Advanced Materials</i> , 2018, 30, e1803717.	21.0	148
8	Challenges in DNA Delivery and Recent Advances in Multifunctional Polymeric DNA Delivery Systems. <i>Biomacromolecules</i> , 2017, 18, 2231-2246.	5.4	147
9	Intracellular Fate of Nanoparticles with Polydopamine Surface Engineering and a Novel Strategy for Exocytosis-Inhibiting, Lysosome Impairment-Based Cancer Therapy. <i>Nano Letters</i> , 2017, 17, 6790-6801.	9.1	143
10	Nanotechnology-Based Strategies for siRNA Brain Delivery for Disease Therapy. <i>Trends in Biotechnology</i> , 2018, 36, 562-575.	9.3	139
11	Blood-brain barrier-penetrating siRNA nanomedicine for Alzheimer's disease therapy. <i>Science Advances</i> , 2020, 6, .	10.3	135
12	Light: A Magical Tool for Controlled Drug Delivery. <i>Advanced Functional Materials</i> , 2020, 30, 2005029.	14.9	134
13	Photocatalysts for Hydrogen Evolution Coupled with Production of Value-Added Chemicals. <i>Small Methods</i> , 2020, 4, 2000063.	8.6	124
14	Stimuli-responsive prodrug-based cancer nanomedicine. <i>EBioMedicine</i> , 2020, 56, 102821.	6.1	103
15	Charge Conversional Biomimetic Nanocomplexes as a Multifunctional Platform for Boosting Orthotopic Glioblastoma RNAi Therapy. <i>Nano Letters</i> , 2020, 20, 1637-1646.	9.1	102
16	Single siRNA Nanocapsules for Effective siRNA Brain Delivery and Glioblastoma Treatment. <i>Advanced Materials</i> , 2020, 32, e2000416.	21.0	101
17	Coordination Tunes Selectivity: Two-Electron Oxygen Reduction on High-Loading Molybdenum Single-Atom Catalysts. <i>Angewandte Chemie</i> , 2020, 132, 9256-9261.	2.0	98
18	DNAzyme-based magneto-controlled electronic switch for picomolar detection of lead (II) coupling with DNA-based hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2013, 45, 52-57.	10.1	92

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19	Carrier-free nanodrugs for safe and effective cancer treatment. <i>Journal of Controlled Release</i> , 2021, 329, 805-832.	9.9	90
20	ARS2/MAGL signaling in glioblastoma stem cells promotes self-renewal and M2-like polarization of tumor-associated macrophages. <i>Nature Communications</i> , 2020, 11, 2978.	12.8	78
21	Brain-Targeted Aggregation-Induced Emission Nanoparticles with Near-Infrared Imaging at 1550 nm Boosts Orthotopic Glioblastoma Theranostics. <i>Advanced Materials</i> , 2022, 34, e2106082.	21.0	75
22	Exploring N-Imidazolyl-O-Carboxymethyl Chitosan for High Performance Gene Delivery. <i>Biomacromolecules</i> , 2012, 13, 146-153.	5.4	74
23	The siRNAsome: A Cation-Free and Versatile Nanostructure for siRNA and Drug Co-delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4938-4942.	13.8	73
24	Target-induced structure-switching DNA hairpins for sensitive electrochemical monitoring of mercury (II). <i>Biosensors and Bioelectronics</i> , 2013, 39, 315-319.	10.1	72
25	Blood-brain barrier-penetrating single CRISPR-Cas9 nanocapsules for effective and safe glioblastoma gene therapy. <i>Science Advances</i> , 2022, 8, eabm8011.	10.3	71
26	Label-free dendrimer-like silica nano hybrids for traceable and controlled gene delivery. <i>Biomaterials</i> , 2014, 35, 5580-5590.	11.4	62
27	Enhanced colloidal stability and protein resistance of layered double hydroxide nanoparticles with phosphonic acid-terminated PEG coating for drug delivery. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 242-251.	9.4	62
28	Portable and quantitative monitoring of heavy metal ions using DNAzyme-capped mesoporous silica nanoparticles with a glucometer readout. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6123.	5.8	53
29	Cation-Free siRNA Micelles as Effective Drug Delivery Platform and Potent RNAi Nanomedicines for Glioblastoma Therapy. <i>Advanced Materials</i> , 2021, 33, e2104779.	21.0	52
30	DNA nanoclew templated spherical nucleic acids for siRNA delivery. <i>Chemical Communications</i> , 2018, 54, 3609-3612.	4.1	50
31	Developing a chitosan supported imidazole Schiff-base for high-efficiency gene delivery. <i>Polymer Chemistry</i> , 2013, 4, 840-850.	3.9	49
32	Molecular Imprint for Electrochemical Detection of Streptomycin Residues Using Enzyme Signal Amplification. <i>Electroanalysis</i> , 2013, 25, 531-537.	2.9	48
33	Central metal-derived co-assembly of biomimetic GdTPP/ZnTPP porphyrin nanocomposites for enhanced dual-modal imaging-guided photodynamic therapy. <i>Biomaterials</i> , 2020, 229, 119576.	11.4	48
34	Pathogenic mutation in the ALS/FTD gene, C9orf72, causes elevated Lys48-linked ubiquitylation and defective autophagy. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 335-354.	5.4	44
35	Enzyme-catalyzed silver deposition on irregular-shaped gold nanoparticles for electrochemical immunoassay of alpha-fetoprotein. <i>Analytica Chimica Acta</i> , 2012, 755, 62-68.	5.4	43
36	Sensitive electrochemical monitoring of nucleic acids coupling DNA nanostructures with hybridization chain reaction. <i>Analytica Chimica Acta</i> , 2013, 783, 17-23.	5.4	43

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37	Brain-Targeted Codelivery of Bcl-2/Bcl-xl and Mcl-1 Inhibitors by Biomimetic Nanoparticles for Orthotopic Glioblastoma Therapy. <i>ACS Nano</i> , 2022, 16, 6293-6308.	14.6	40
38	Brain coâ€delivery of firstâ€line chemotherapy drug and epigenetic bromodomain inhibitor for multidimensional enhanced synergistic glioblastoma therapy. <i>Exploration</i> , 2022, 2, .	11.0	40
39	Noncovalent Self-Assembled Smart Gold(III) Porphyrin Nanodrug for Synergistic Chemo-Photothermal Therapy. <i>Nano Letters</i> , 2021, 21, 3418-3425.	9.1	39
40	Platinum-catalyzed hydrogen evolution reaction for sensitive electrochemical immunoassay of tetracycline residues. <i>Journal of Electroanalytical Chemistry</i> , 2013, 704, 111-117.	3.8	38
41	Nanorods with multidimensional optical information beyond the diffraction limit. <i>Nature Communications</i> , 2020, 11, 6047.	12.8	35
42	Polycationâ€mediated gene delivery: Challenges and considerations for the process of plasmid DNA transfection. <i>Engineering in Life Sciences</i> , 2015, 15, 489-498.	3.6	34
43	Heme Oxygenase-1 targeting exosomes for temozolomide resistant glioblastoma synergistic therapy. <i>Journal of Controlled Release</i> , 2022, 345, 696-708.	9.9	34
44	Synthesis of photo-excited Chlorin e6 conjugated silica nanoparticles for enhanced anti-bacterial efficiency to overcome methicillin-resistant <i>Staphylococcus aureus</i> . <i>Chemical Communications</i> , 2019, 55, 2656-2659.	4.1	33
45	Exploring thermal reversible hydrogels for stem cell expansion in three-dimensions. <i>Soft Matter</i> , 2012, 8, 7250.	2.7	31
46	Casein kinase II phosphorylation of cyclin F at serine 621 regulates the Lys48-ubiquitylation E3 ligase activity of the SCF (cyclin F) complex. <i>Open Biology</i> , 2017, 7, 170058.	3.6	29
47	Polymeric nanoparticle mediated inhibition of miR-21 with enhanced miR-124 expression for combinatorial glioblastoma therapy. <i>Biomaterials</i> , 2021, 276, 121036.	11.4	29
48	Intracellular Microenvironmentâ€Responsive Labelâ€Free Autofluorescent Nanogels for Traceable Gene Delivery. <i>Advanced Healthcare Materials</i> , 2014, 3, 1839-1848.	7.6	28
49	Receptorâ€targeting nanomaterials alleviate binge drinkingâ€induced neurodegeneration as artificial neurotrophins. <i>Exploration</i> , 2021, 1, 61-74.	11.0	28
50	Sensitive Time-Gated Immunoluminescence Detection of Prostate Cancer Cells Using a TEGylated Europium Ligand. <i>Analytical Chemistry</i> , 2016, 88, 9564-9571.	6.5	27
51	From mouse to mouseâ€ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021, 1, 9-20.	11.0	27
52	Endosomal pH responsive polymers for efficient cancer targeted gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 119, 55-65.	5.0	26
53	Exploring low-positively charged thermosensitive copolymers as gene delivery vectors. <i>Soft Matter</i> , 2012, 8, 1385-1394.	2.7	25
54	Stable Upconversion Nanohybrid Particles for Specific Prostate Cancer Cell Immunodetection. <i>Scientific Reports</i> , 2016, 6, 37533.	3.3	25

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55	Active DNA unwinding and transport by a membrane-adapted helicase nanopore. <i>Nature Communications</i> , 2019, 10, 5083.	12.8	25
56	Intracellular Microenvironment Responsive Polymers: A Multiple-Stage Transport Platform for High-Performance Gene Delivery. <i>Small</i> , 2014, 10, 871-877.	10.0	21
57	Multifunctional Hybrid Nanoparticles for Traceable Drug Delivery and Intracellular Microenvironment-Controlled Multistage Drug Release in Neurons. <i>Small</i> , 2017, 13, 1603966.	10.0	21
58	Tuning the Elasticity of Polymersomes for Brain Tumor Targeting. <i>Advanced Science</i> , 2021, 8, e2102001.	11.2	21
59	Zein-CMC-PEG Multiple Nanocolloidal Systems as a Novel Approach for Nutra-Pharmaceutical Applications. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 262-270.	1.4	21
60	The siRNAsome: A Cation-Free and Versatile Nanostructure for siRNA and Drug Co-delivery. <i>Angewandte Chemie</i> , 2019, 131, 4992-4996.	2.0	20
61	Label-Free Fluorescent Poly(amidoamine) Dendrimer for Traceable and Controlled Drug Delivery. <i>Biomacromolecules</i> , 2019, 20, 2148-2158.	5.4	19
62	Using proteomics to identify ubiquitin ligase-substrate pairs: how novel methods may unveil therapeutic targets for neurodegenerative diseases. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2499-2510.	5.4	18
63	Hybridization-induced isothermal cycling signal amplification for sensitive electronic detection of nucleic acid. <i>Biosensors and Bioelectronics</i> , 2013, 47, 106-112.	10.1	17
64	Delivery of Fluorescent Nanoparticles to the Brain. <i>Journal of Molecular Neuroscience</i> , 2016, 60, 405-409.	2.3	16
65	A Transferrin Triggered Pathway for Highly Targeted Delivery of Graphene-Based Nanodrugs to Treat Choroidal Melanoma. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800377.	7.6	16
66	ALS/FTD-causing mutation in cyclin F causes the dysregulation of SFPQ. <i>Human Molecular Genetics</i> , 2021, 30, 971-984.	2.9	16
67	Nanotechnology-Based Strategies for Early Diagnosis of Central Nervous System Disorders. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100008.	3.6	16
68	Modulation of Nogo receptor 1 expression orchestrates myelin-associated infiltration of glioblastoma. <i>Brain</i> , 2021, 144, 636-654.	7.6	16
69	Prognostic significance of high YY1API and PCNA expression in colon adenocarcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 173-180.	2.1	15
70	Highly Doped Upconversion Nanoparticles for <i>In Vivo</i> Applications Under Mild Excitation Power. <i>Analytical Chemistry</i> , 2020, 92, 10913-10919.	6.5	15
71	Riluzole does not ameliorate disease caused by cytoplasmic TDP43 in a mouse model of amyotrophic lateral sclerosis. <i>European Journal of Neuroscience</i> , 2021, 54, 6237-6255.	2.6	15
72	Stilbenes from <i>Veratrum maackii</i> Regel Protect against Ethanol-Induced DNA Damage in Mouse Cerebellum and Cerebral Cortex. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1616-1624.	3.5	14

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73	A versatile upconversion surface evaluation platform for bioâ€“nano surface selection for the nervous system. <i>Nanoscale</i> , 2017, 9, 13683-13692.	5.6	13
74	Unbiased Label-Free Quantitative Proteomics of Cells Expressing Amyotrophic Lateral Sclerosis (ALS) Mutations in CENF Reveals Activation of the Apoptosis Pathway: A Workflow to Screen Pathogenic Gene Mutations. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 627740.	2.9	12
75	Polymeric Nanoparticles for Mitochondria Targeting Mediated Robust Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 755727.	4.1	12
76	Aspect Ratio of PEGylated Upconversion Nanocrystals Affects the Cellular Uptake In Vitro and In Vivo. <i>Acta Biomaterialia</i> , 2022, 147, 403-413.	8.3	11
77	A squaric acid-stimulated electrocatalytic reaction for sensing biomolecules with cycling signal amplification. <i>Chemical Communications</i> , 2013, 49, 4761.	4.1	10
78	DNA pseudoknot-functionalized sensing platform for chemoselective analysis of mercury ions. <i>Analyst</i> , 2012, 137, 4425.	3.5	9
79	Mesoporous nanogoldâ€“MnO ₂ â€“poly(o-phenylenediamine) hollow microspheres as nanotags and peroxidase mimics for sensing biomolecules. <i>Biomaterials Science</i> , 2014, 2, 1073-1079.	5.4	9
80	Polysaccharides for Biomedical Applications. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-2.	2.7	9
81	Large-area gold nanohole arrays fabricated by one-step method for surface plasmon resonance biochemical sensing. <i>Science China Life Sciences</i> , 2018, 61, 476-482.	4.9	8
82	Correlation between high expression levels of jumonji domain-containing 4 and short survival in cases of colon adenocarcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1442-1449.	2.1	8
83	A Robust Intrinsically Green Fluorescent Poly(Amidoamine) Dendrimer for Imaging and Traceable Central Nervous System Delivery in Zebrafish. <i>Small</i> , 2020, 16, 2003654.	10.0	8
84	Target-stimulated metallic HgS nanostructures on a DNA-based polyion complex membrane for highly efficient impedimetric detection of dissolved hydrogen sulfide. <i>Chemical Communications</i> , 2013, 49, 11200.	4.1	7
85	High expression of meningioma 1 is correlated with reduced survival rates in colorectal cancer patients. <i>Acta Histochemica</i> , 2019, 121, 628-637.	1.8	7
86	Evaluation of nanomechanical properties of hyperbranched polyglycerols as prospective cell membrane engineering block. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110968.	5.0	7
87	Upconversion Nanoparticle-Based Strategy for Crossing the Blood-Brain Barrier to Treat the Central Nervous System Disease. <i>Methods in Molecular Biology</i> , 2019, 2054, 263-282.	0.9	7
88	Hyperbranched Polyglycerols as Robust Up-Conversion Nanoparticle Coating Layer for Feasible Cell Imaging. <i>Polymers</i> , 2020, 12, 2592.	4.5	6
89	Chemical compounds with a neuroprotective effect from the seeds of <i>Celosia argentea</i> L.. <i>Food and Function</i> , 2021, 12, 83-96.	4.6	6
90	Starchâ€“borateâ€“graphene oxide nanocomposites as highly efficient targeted antitumor drugs. <i>RSC Advances</i> , 2015, 5, 94855-94858.	3.6	5

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91	The Ampoule Method: A Pathway towards Controllable Synthesis of Electrocatalysts for Water Electrolysis. Chemistry - A European Journal, 2020, 26, 3898-3905.	3.3	5
92	Time-resolved microfluidic flow cytometer for decoding luminescence lifetimes in the microsecond region. Lab on A Chip, 2020, 20, 655-664.	6.0	5
93	In vivo Validation of Bimolecular Fluorescence Complementation (BiFC) to Investigate Aggregate Formation in Amyotrophic Lateral Sclerosis (ALS). Molecular Neurobiology, 2021, 58, 2061-2074.	4.0	5
94	Lifetime Multiplexing with Lanthanide Complexes for Luminescence <i>In Situ</i> Hybridisation. Analysis & Sensing, 2022, 2, .	2.0	2
95	Cation-Free siRNA Micelles as Effective Drug Delivery Platform and Potent RNAi Nanomedicines for Glioblastoma Therapy (Adv. Mater. 45/2021). Advanced Materials, 2021, 33, 2170357.	21.0	1
96	Photoluminescence distinction of lung adenocarcinoma cells A549 and squamous cells H520 using metallothionein expression in response to Cd-doped Mn ₃ [Co(CN) ₆] ₂ nanocubes. RSC Advances, 2016, 6, 84810-84814.	3.6	0
97	<i>Exploration</i> : Explore a better future with advanced science and technology. Exploration, 2021, 1, 6-8.	11.0	0
98	Editorial: Application for Nanotechnology for the Treatment of Brain Diseases and Disorders. Frontiers in Bioengineering and Biotechnology, 2021, 9, 743160.	4.1	0
99	Lifetime Multiplexing with Lanthanide Complexes for Luminescence <i>In Situ</i> Hybridisation. Analysis & Sensing, 0, , .	2.0	0
100	Frontispiece: The Ampoule Method: A Pathway towards Controllable Synthesis of Electrocatalysts for Water Electrolysis. Chemistry - A European Journal, 2020, 26, .	3.3	0