

# Na Liu

## List of Publications by Year in descending order

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99  
papers

3,236  
citations

147801

31  
h-index

182427

51  
g-index

100  
all docs

100  
docs citations

100  
times ranked

4123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long noncoding RNA LINC00336 inhibits ferroptosis in lung cancer by functioning as a competing endogenous RNA. <i>Cell Death and Differentiation</i> , 2019, 26, 2329-2343.	11.2	365
2	Characterization of biochars derived from agriculture wastes and their adsorptive removal of atrazine from aqueous solution: A comparative study. <i>Bioresource Technology</i> , 2015, 198, 55-62.	9.6	203
3	A Nuclear Long Non-Coding RNA LINC00618 Accelerates Ferroptosis in a Manner Dependent upon Apoptosis. <i>Molecular Therapy</i> , 2021, 29, 263-274.	8.2	139
4	Enhanced removal of aqueous Cr(VI) by a green synthesized nanoscale zero-valent iron supported on oak wood biochar. <i>Chemosphere</i> , 2020, 245, 125542.	8.2	124
5	Removal mechanisms of aqueous Cr(VI) using apple wood biochar: a spectroscopic study. <i>Journal of Hazardous Materials</i> , 2020, 384, 121371.	12.4	118
6	IGF-1 C Domain Modified Hydrogel Enhances Cell Therapy for AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2357-2369.	6.1	96
7	Adsorption behaviors of methyl orange dye on nitrogen-doped mesoporous carbon materials. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 343-351.	9.4	94
8	The interaction between nanoparticles-protein corona complex and cells and its toxic effect on cells. <i>Chemosphere</i> , 2020, 245, 125624.	8.2	94
9	Toxic effects and involved molecular pathways of nanoparticles on cells and subcellular organelles. <i>Journal of Applied Toxicology</i> , 2020, 40, 16-36.	2.8	87
10	Distribution and speciation of iron in Fe-modified biochars and its application in removal of As(V), As(III), Cr(VI), and Hg(II): An X-ray absorption study. <i>Journal of Hazardous Materials</i> , 2020, 384, 121342.	12.4	65
11	Toxicity of different types of quantum dots to mammalian cells in vitro: An update review. <i>Journal of Hazardous Materials</i> , 2020, 399, 122606.	12.4	59
12	Cancer progression is mediated by proline catabolism in non-small cell lung cancer. <i>Oncogene</i> , 2020, 39, 2358-2376.	5.9	51
13	Effective degradation of primary color direct azo dyes using FeO aggregates-activated persulfate process. <i>Journal of Environmental Management</i> , 2018, 206, 565-576.	7.8	50
14	Application of the biomarker responses in scallop ( <i>Chlamys farreri</i> ) to assess metals and PAHs pollution in Jiaozhou Bay, China. <i>Marine Environmental Research</i> , 2012, 80, 38-45.	2.5	48
15	Tunable electronic properties of graphene through controlling bonding configurations of doped nitrogen atoms. <i>Scientific Reports</i> , 2016, 6, 28330.	3.3	48
16	miR-92b regulates glioma cells proliferation, migration, invasion, and apoptosis via PTEN/Akt signaling pathway. <i>Journal of Physiology and Biochemistry</i> , 2016, 72, 201-211.	3.0	48
17	Quercetin ameliorates A $\beta$ toxicity in <i>Drosophila</i> AD model by modulating cell cycle-related protein expression. <i>Oncotarget</i> , 2016, 7, 67716-67731.	1.8	47
18	Nitrogen-Doped Carbon Materials as Metal-Free Catalyst for the Dechlorination of Trichloroethylene by Sulfide. <i>Environmental Science &amp; Technology</i> , 2018, 52, 14286-14293.	10.0	47

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19	Effects of carbon nanotubes on atrazine biodegradation by <i>Arthrobacter</i> sp. <i>Journal of Hazardous Materials</i> , 2015, 287, 1-6.	12.4	43
20	The Type-B Cytokinin Response Regulator ARR1 Inhibits Shoot Regeneration in an ARR12-Dependent Manner in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 2271-2291.	6.6	41
21	The deubiquitylase UCHL3 maintains cancer stem-like properties by stabilizing the aryl hydrocarbon receptor. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 78.	17.1	40
22	Enhancement of the advanced Fenton process by ultrasound for decolorisation of real textile wastewater. <i>Coloration Technology</i> , 2014, 130, 133-139.	1.5	39
23	GIAT4RA functions as a tumor suppressor in non-small cell lung cancer by counteracting Uchl3-mediated deubiquitination of LSH. <i>Oncogene</i> , 2019, 38, 7133-7145.	5.9	39
24	Activation of AhR with nuclear IKK $\beta$ regulates cancer stem-like properties in the occurrence of radioresistance. <i>Cell Death and Disease</i> , 2018, 9, 490.	6.3	38
25	Refined soybean oil wastewater treatment and its utilization for lipid production by the oleaginous yeast <i>Trichosporon fermentans</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 299.	6.2	38
26	Electrochemical Enzyme Biosensor Bearing Biochar Nanoparticle as Signal Enhancer for Bisphenol A Detection in Water. <i>Sensors</i> , 2019, 19, 1619.	3.8	38
27	Similarity in mycorrhizal communities associating with two widespread terrestrial orchids decays with distance. <i>Journal of Biogeography</i> , 2020, 47, 421-433.	3.0	38
28	Natural ingredients-derived antioxidants attenuate H <sub>2</sub> O <sub>2</sub> -induced oxidative stress and have chondroprotective effects on human osteoarthritic chondrocytes via Keap1/Nrf2 pathway. <i>Free Radical Biology and Medicine</i> , 2020, 152, 854-864.	2.9	38
29	The role of ferroptosis mediated by NRF2/ERK-regulated ferritinophagy in CdTe QDs-induced inflammation in macrophage. <i>Journal of Hazardous Materials</i> , 2022, 436, 129043.	12.4	37
30	Nuclear EGFR-PKM2 axis induces cancer stem cell-like characteristics in irradiation-resistant cells. <i>Cancer Letters</i> , 2018, 422, 81-93.	7.2	36
31	miR-92a-3p Exerts Various Effects in Glioma and Glioma Stem-Like Cells Specifically Targeting CDH1/ $\beta$ -Catenin and Notch-1/Akt Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1799.	4.1	35
32	LSH interacts with and stabilizes GINS4 transcript that promotes tumorigenesis in non-small cell lung cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 280.	8.6	35
33	Self-assembled GFFYK peptide hydrogel enhances the therapeutic efficacy of mesenchymal stem cells in a mouse hindlimb ischemia model. <i>Acta Biomaterialia</i> , 2019, 85, 94-105.	8.3	35
34	Sulfated glycosaminoglycans in decellularized placenta matrix as critical regulators for cutaneous wound healing. <i>Acta Biomaterialia</i> , 2021, 122, 199-210.	8.3	33
35	One-pot synthesis of conjugated poly(3-hexylthiophene)- <i>b</i> -poly(phenyl isocyanide) hybrid rod-block copolymers and its self-assembling properties. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2939-2947.	2.3	30
36	N-doped nanoporous carbon as efficient catalyst for nitrobenzene reduction in sulfide-containing aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 677-684.	9.4	30

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37	The role of NLRP3 inflammasome activation in the neuroinflammatory responses to Ag <sub>2</sub> Se quantum dots in microglia. <i>Nanoscale</i> , 2019, 11, 20820-20836.	5.6	28
38	DNA damage in BV2 cells: An important supplement to the neurotoxicity of CdTe quantum dots. <i>Journal of Applied Toxicology</i> , 2019, 39, 525-539.	2.8	28
39	Do fungal associates of co-occurring orchids promote seed germination of the widespread orchid species <i>Gymnadenia conopsea</i> ?. <i>Mycorrhiza</i> , 2020, 30, 221-228.	2.8	28
40	Preparation of pickling-reheating activated alfalfa biochar with high adsorption efficiency for p-nitrophenol: characterization, adsorption behavior, and mechanism. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15300-15313.	5.3	27
41	Analysis of biodegradation by-products of nitrobenzene and aniline mixture by a cold-tolerant microbial consortium. <i>Journal of Hazardous Materials</i> , 2013, 260, 323-329.	12.4	26
42	A facile approach to synthesizing S-CoO tridoped g-C <sub>3</sub> N <sub>4</sub> with enhanced oxygen-free photocatalytic performance via a hydrothermal post-treatment. <i>RSC Advances</i> , 2015, 5, 79585-79592.	3.6	26
43	Transcriptome analysis of different sizes of 3-mercaptopropionic acid-modified cadmium telluride quantum dot-induced toxic effects reveals immune response in rat hippocampus. <i>Journal of Applied Toxicology</i> , 2018, 38, 1177-1194.	2.8	26
44	CdTe and CdTe@ZnS quantum dots induce IL-1 $\beta$ -mediated inflammation and pyroptosis in microglia. <i>Toxicology in Vitro</i> , 2020, 65, 104827.	2.4	25
45	Morphology control of ordered mesoporous carbons by changing HCl concentration. <i>Journal of Materials Chemistry</i> , 2011, 21, 5345.	6.7	24
46	MYB94 and MYB96 additively inhibit callus formation via directly repressing LBD29 expression in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2020, 293, 110323.	3.6	24
47	Effects of benzo(a)pyrene on differentially expressed genes and haemocyte parameters of the clam <i>Venerupis philippinarum</i> . <i>Ecotoxicology</i> , 2014, 23, 122-132.	2.4	23
48	Asiatic acid attenuates hypertrophic and fibrotic differentiation of articular chondrocytes via AMPK/PI3K/AKT signaling pathway. <i>Arthritis Research and Therapy</i> , 2020, 22, 112.	3.5	23
49	DNA methylation modifier LSH inhibits p53 ubiquitination and transactivates p53 to promote lipid metabolism. <i>Epigenetics and Chromatin</i> , 2019, 12, 59.	3.9	22
50	Molecular cloning and sequence analysis and the response of a aryl hydrocarbon receptor homologue gene in the clam <i>Ruditapes philippinarum</i> exposed to benzo(a)pyrene. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 152, 279-287.	2.6	21
51	Enhanced biodegradation of chlorobenzene via combined Fe <sup>3+</sup> and Zn <sup>2+</sup> based on rhamnolipid solubilisation. <i>Journal of Environmental Sciences</i> , 2021, 103, 108-118.	6.1	20
52	Direct synthesis of flat cake-type ordered mesoporous carbon in a double surfactant system of P123/CTAB. <i>Journal of Materials Chemistry</i> , 2011, 21, 5576.	6.7	19
53	Effect of chelating agents on Reactive Green 19 decolorization through Fe <sup>0</sup> -activated persulfate oxidation process. <i>Journal of Environmental Management</i> , 2017, 200, 325-334.	7.8	19
54	Atmospheric particulate matter impedes autophagic flux by impairing lysosomal milieu and integrity in human umbilical vein endothelial cells (HUVECs). <i>Science of the Total Environment</i> , 2021, 761, 143290.	8.0	19

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55	Elemental sulfur accelerated the reactivity of the 3-position of indole for the construction of chromeno[2,3- <i>b</i> ]indoles. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1034-1038.	4.5	18
56	Oxygen exposure effects on the dechlorinating activities of a trichloroethene-dechlorination microbial consortium. <i>Bioresource Technology</i> , 2017, 240, 98-105.	9.6	17
57	Cometabolic degradation of 1,4-dioxane by a tetrahydrofuran-growing <i>Arthrobacter</i> sp. WN18. <i>Ecotoxicology and Environmental Safety</i> , 2021, 217, 112206.	6.0	17
58	Simultaneous determination of four trace estrogens in feces, leachate, tap and groundwater using solid-liquid extraction/auto solid-phase extraction and high-performance liquid chromatography with fluorescence detection. <i>Journal of Separation Science</i> , 2015, 38, 3494-3501.	2.5	14
59	Coupling of bio-PRB and enclosed in-well aeration system for remediation of nitrobenzene and aniline in groundwater. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9972-9983.	5.3	13
60	Practical Synthesis of Chromeno[2,3- <i>b</i> ]indole Skeleton via an Aldehyde Group Insertion/Aromatization Strategy. <i>Chemistry - an Asian Journal</i> , 2017, 12, 401-404.	3.3	13
61	Selective convolutional neural networks and cascade classifiers for remote sensing image classification. <i>Remote Sensing Letters</i> , 2017, 8, 917-926.	1.4	13
62	Trichosporon fermentans biomass flocculation from soybean oil refinery wastewater using bioflocculant produced from <i>Paecilomyces</i> sp. M2-1. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 2821-2831.	3.6	13
63	Protein corona mitigated the cytotoxicity of CdTe QDs to macrophages by targeting mitochondria. <i>NanoImpact</i> , 2022, 25, 100367.	4.5	13
64	A metabolomics study: CdTe/ZnS quantum dots induce polarization in mice microglia. <i>Chemosphere</i> , 2020, 246, 125629.	8.2	12
65	Effects of heavy metal ions (Cu <sup>2+</sup> , Pb <sup>2+</sup> and Cd <sup>2+</sup> ) on DNA damage of the gills, hemocytes and hepatopancreas of marine crab, <i>Charybdis japonica</i> . <i>Journal of Ocean University of China</i> , 2011, 10, 177-184.	1.2	11
66	The immobilization and electrical response of single-stranded DNA molecules on pentacene transistors. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	11
67	Decolorization of azo dyes in a heterogeneous persulfate system using FeS as the activator. <i>Water Science and Technology</i> , 2021, 83, 1703-1713.	2.5	11
68	Biochar Derived from Agricultural Wastes as a Means of Facilitating the Degradation of Azo Dyes by Sulfides. <i>Catalysts</i> , 2021, 11, 434.	3.5	11
69	Aryl hydrocarbon receptor activated by benzo (a) pyrene promotes SMARCA6 expression in NSCLC. <i>American Journal of Cancer Research</i> , 2018, 8, 1214-1227.	1.4	10
70	Isolation and characterization of a new highly effective 17 $\beta$ -estradiol-degrading <i>Gordonia</i> sp. strain R9. <i>3 Biotech</i> , 2020, 10, 174.	2.2	9
71	Mechanism of biochar functional groups in the catalytic reduction of tetrachloroethylene by sulfides. <i>Environmental Pollution</i> , 2022, 300, 118921.	7.5	9
72	Research on mechanical properties of the Siro-spinning triangle using the Finite Element Method. <i>Textile Reseach Journal</i> , 2015, 85, 416-431.	2.2	8

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73	Biological characteristics of the nitrobenzene-degrading strain NB1 during bioaugmentation of nitrobenzene-contaminated groundwater. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	8
74	Local feature representation based on linear filtering with feature pooling and divisive normalization for remote sensing image classification. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 016017.	1.3	8
75	Preparation of Au nanoparticles with high dispersion and thermal stability by a controlled impregnation method for alcohol oxidation. <i>Gold Bulletin</i> , 2017, 50, 163-175.	2.4	7
76	Multi-pattern matching with variable-length wildcards using suffix tree. <i>Pattern Analysis and Applications</i> , 2018, 21, 1151-1165.	4.6	7
77	NADPH oxidases regulate endothelial inflammatory injury induced by PM <sub>2.5</sub> via AKT/eNOS/NO axis. <i>Journal of Applied Toxicology</i> , 2022, 42, 738-749.	2.8	7
78	Changes in texture and retorting yield in oil shale during its bioleaching by <i>Bacillus Mucilaginosus</i> . <i>Chemical Research in Chinese Universities</i> , 2013, 29, 294-298.	2.6	6
79	Directed Dispersion of Au Based Catalysts at H <sub>2</sub> Reduction Process for Aerobic Oxidation of Benzyl Alcohol. <i>Catalysis Letters</i> , 2017, 147, 547-565.	2.6	6
80	Identification and genome analysis of <i>Comamonas testosteroni</i> strain JLU460ET, a novel steroid-degrading bacterium. <i>3 Biotech</i> , 2021, 11, 404.	2.2	6
81	Stat3 phosphorylation is required for embryonic stem cells ground state maintenance in 2i culture media. <i>Oncotarget</i> , 2017, 8, 31227-31237.	1.8	6
82	Simultaneous Quantification of Sodium Ferulate, Salicylic Acid, Cinnarizine and Vitamin B1 in Human Plasma by LC Tandem MS Detection. <i>Chromatographia</i> , 2008, 67, 583-590.	1.3	5
83	Preparation of integrative cubes as a novel biological permeable reactive barrier medium for the enhancement of in situ aerobic bioremediation of nitrobenzene-contaminated groundwater. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	5
84	Effects of temperature, pH, and salinity on the growth kinetics of <i>Pseudomonas</i> sp. NB-1, a newly isolated cold-tolerant, alkali-resistant, and high-efficiency nitrobenzene-degrading bacterium. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 2171-2183.	2.2	5
85	Improving glutathione production by engineered <i>Pichia pastoris</i> : strain construction and optimal precursor feeding. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1905-1917.	3.6	5
86	Stable carbon isotope fractionation of chlorinated ethenes by a microbial consortium containing multiple dechlorinating genes. <i>Bioresource Technology</i> , 2018, 261, 133-141.	9.6	4
87	Urban fine particulate matter causes cardiac hypertrophy through calcium-mediated mitochondrial bioenergetics dysfunction in mice hearts and human cardiomyocytes. <i>Environmental Pollution</i> , 2022, 305, 119236.	7.5	4
88	Extracellular Enzyme Activities and Carbon/Nitrogen Utilization in Mycorrhizal Fungi Isolated From Epiphytic and Terrestrial Orchids. <i>Frontiers in Microbiology</i> , 2021, 12, 787820.	3.5	4
89	Fabricating organic transistors based on domain-ordered copper phthalocyanine film grown on oligothiophene epitaxial substrate. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 558-561.	2.4	3
90	Nitrogen-doped mesoporous carbon material (NCMK-3) as a catalyst for the removal of 4-chlorophenol during persulfate oxidation and its efficiency after reuse. <i>Environmental Technology (United Kingdom)</i> , 2020, , 1-7.	2.2	3

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91	Suffix array for multi-pattern matching with variable length wildcards. <i>Intelligent Data Analysis</i> , 2021, 25, 283-303.	0.9	3
92	Genomic analysis of <i>Gordonia polyisoprenivorans</i> strain R9, a highly effective 17 beta-estradiol- and steroid-degrading bacterium. <i>Chemico-Biological Interactions</i> , 2021, 350, 109685.	4.0	3
93	The apoptosis induced by CdTe quantum dots through the mitochondrial pathway in dorsal root ganglion cell line ND7/23. <i>Journal of Applied Toxicology</i> , 2022, 42, 1218-1229.	2.8	3
94	Influence of chloride ions on organic contaminants decolorization through the Fe0-activated persulfate oxidation process: efficiency and intermediates. <i>Water Science and Technology</i> , 2019, 80, 563-574.	2.5	2
95	Trichloroethylene dechlorination by copper-contained zero-valent iron slurry. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 1173-1179.	2.6	1
96	<i>N</i> -Methylpyrrolidinone Promoted Formation of Functional Esters through C=O Bond Cleavage. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2641-2647.	2.4	1
97	The Evolution of Gold Nanoparticles in the Presence of Configurational Ion Cu <sup>2+</sup> of Hydrotalcites Supports. <i>ChemistrySelect</i> , 2018, 3, 7478-7484.	1.5	0
98	1,4-Dioxane Degradation Performance of Tetrahydrofuran-Grown <i>Arthrobacter</i> sp. WN18. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	0
99	Removal mechanisms of aqueous Cr(VI) by anaerobic fermentation sludge. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 3975-3987.	2.2	0