

# Lu Liu

## List of Publications by Year in descending order

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79  
papers

2,036  
citations

257357

24  
h-index

276775

41  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2803  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Polymer Nanoprobe Based on Chemiluminescence Resonance Energy Transfer for Ultrasensitive Imaging of Intrinsic Superoxide Anion in Mice. <i>Journal of the American Chemical Society</i> , 2016, 138, 2893-2896.	6.6	156
2	Application of microencapsulation for the safe delivery of green tea polyphenols in food systems: Review and recent advances. <i>Food Research International</i> , 2018, 105, 241-249.	2.9	125
3	Structural Orders of Wheat Starch Do Not Determine the <i>In Vitro</i> Enzymatic Digestibility. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1697-1706.	2.4	115
4	A light-regulated host-guest-based nanochannel system inspired by channelrhodopsins protein. <i>Nature Communications</i> , 2017, 8, 260.	5.8	108
5	Magnetic-Sensitive Nanoparticle Self-Assembled Superhydrophobic Biopolymer-Coated Slow-Release Fertilizer: Fabrication, Enhanced Performance, and Mechanism. <i>ACS Nano</i> , 2019, 13, 3320-3333.	7.3	98
6	Adipose-Specific Knockout of <i>Seipin/Bscl2</i> Results in Progressive Lipodystrophy. <i>Diabetes</i> , 2014, 63, 2320-2331.	0.3	84
7	Comparative lipidomics analysis of human, bovine and caprine milk by UHPLC-Q-TOF-MS. <i>Food Chemistry</i> , 2020, 310, 125865.	4.2	78
8	Selective Release of Different Neurotransmitters Emulated by a p-n Junction Synaptic Transistor for Environment-Responsive Action Control. <i>Advanced Materials</i> , 2021, 33, e2007350.	11.1	70
9	Facile one-step hydrothermal synthesis of reduced graphene oxide/Co <sub>3</sub> O <sub>4</sub> composites for supercapacitors. <i>Journal of Materials Science</i> , 2013, 48, 8463-8470.	1.7	63
10	Data-Driven Robust Coordination of Generation and Demand-Side in Photovoltaic Integrated All-Electric Ship Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 1783-1795.	4.6	62
11	Multiscale Structural Changes of Wheat and Yam Starches during Cooking and Their Effect on <i>In Vitro</i> Enzymatic Digestibility. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 156-166.	2.4	51
12	Bio-based Large Tablet Controlled-Release Urea: Synthesis, Characterization, and Controlled-Released Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11265-11272.	2.4	47
13	Self-Assembly of Hydrophobic and Self-Healing Bionanocomposite-Coated Controlled-Release Fertilizers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 27598-27606.	4.0	47
14	Therapeutic administration of the recombinant antimicrobial peptide microcin J25 effectively enhances host defenses against gut inflammation and epithelial barrier injury induced by enterotoxigenic <i>Escherichia coli</i> infection. <i>FASEB Journal</i> , 2020, 34, 1018-1037.	0.2	45
15	Potato protein: An emerging source of high quality and allergy free protein, and its possible future based products. <i>Food Research International</i> , 2021, 148, 110583.	2.9	36
16	Two-photon fluorescence imaging of sialylated glycans <i>in vivo</i> based on a sialic acid imprinted conjugated polymer nanoprobe. <i>Chemical Communications</i> , 2016, 52, 13991-13994.	2.2	33
17	Application of DLLME to the Determination of Pyrethroids in Aqueous Samples. <i>Chromatographia</i> , 2010, 72, 1017-1020.	0.7	32
18	Nitric Oxide-Releasing Tryptophan-Based Poly(ester urea)s Electrospun Composite Nanofiber Mats with Antibacterial and Antibiofilm Activities for Infected Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 15911-15926.	4.0	29

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19	Asymmetric Difluoroboron Quinazolinoneâ€Pyridine Dyes with Large Stokes Shift: High Emission Efficiencies Both in Solution and in the Solid State. <i>Chemistry - A European Journal</i> , 2018, 24, 17897-17901.	1.7	28
20	Production enhancement of the extracellular lipase LipA in <i>Bacillus subtilis</i> : Effects of expression system and Sec pathway components. <i>Protein Expression and Purification</i> , 2018, 142, 81-87.	0.6	27
21	miR-382-5p modulates the ATRA-induced differentiation of acute promyelocytic leukemia by targeting tumor suppressor PTEN. <i>Cellular Signalling</i> , 2019, 54, 1-9.	1.7	27
22	Multifunctional Slow-Release Fertilizer Prepared from Lignite Activated by a 3D-Molybdate-Sulfur Hierarchical Hollow Nanosphere Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10533-10543.	3.2	25
23	Simulated in vitro infant gastrointestinal digestion of yak milk fat globules: A comparison with cow milk fat globules. <i>Food Chemistry</i> , 2020, 314, 126160.	4.2	25
24	Long-term effects of untreated wastewater on soil bacterial communities. <i>Science of the Total Environment</i> , 2019, 646, 940-950.	3.9	24
25	Influence of milk fat globule membrane and milk protein concentrate treated by ultrasound on the structural and emulsifying stability of mimicking human fat emulsions. <i>Ultrasonics Sonochemistry</i> , 2022, 82, 105881.	3.8	24
26	Integrative methylome and transcriptome analysis to dissect key biological pathways for psoriasis in Chinese Han population. <i>Journal of Dermatological Science</i> , 2018, 91, 285-291.	1.0	20
27	Molecular Composition of Size-Fractionated Fulvic Acid-Like Substances Extracted from Spent Cooking Liquor and Its Relationship with Biological Activity. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14752-14760.	4.6	20
28	Fulvic acid-like substance and its characteristics, an innovative waste recycling material from pulp black liquor. <i>Journal of Cleaner Production</i> , 2020, 243, 118585.	4.6	19
29	Activation of fulvic acid-like in paper mill effluents using H <sub>2</sub> O <sub>2</sub> /TiO <sub>2</sub> catalytic oxidation: Characterization and salt stress bioassays. <i>Journal of Hazardous Materials</i> , 2019, 378, 120702.	6.5	18
30	Novel polymer monolith microextraction using a poly-(methyl methacrylate-co-ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (d water samples. <i>Chemosphere</i> , 2011, 83, 1307-1312.	4.2	17
31	Impact of Using Exopolysaccharides (EPS)-Producing Strain on Qualities of Half-Fat Cheddar Cheese. <i>International Journal of Food Properties</i> , 2015, 18, 1546-1559.	1.3	17
32	Expression of seipin in adipose tissue rescues lipodystrophy, hepatic steatosis and insulin resistance in seipin null mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 143-150.	1.0	17
33	Verteporfin Inhibits Cell Proliferation and Induces Apoptosis in Human Leukemia NB4 Cells without Light Activation. <i>International Journal of Medical Sciences</i> , 2017, 14, 1031-1039.	1.1	17
34	Fabrication of dual-hollow heterostructure of Ni <sub>2</sub> CoS <sub>4</sub> sphere and nanotubes as advanced electrode for high-performance flexible all-solid-state supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 313-321.	5.0	17
35	Food Consumption and Dietary Patterns of Local Adults Living on the Tibetan Plateau: Results from 14 Countries along the Yarlung Tsangpo River. <i>Nutrients</i> , 2021, 13, 2444.	1.7	17
36	Application of Dispersive Liquidâ€Liquid Microextraction Based on Solidification of Floating Organic Droplet Multiâ€residue Method for the Simultaneous Determination of Polychlorinated Biphenyls, Organochlorine, and Pyrethroid Pesticides in Aqueous Sample. <i>Clean - Soil, Air, Water</i> , 2012, 40, 1326-1333.	0.7	15

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37	One-step synthesis of two Wellsâ€“Dawson arsenotungstate hybrids via Mâ€“Oâ€“M bridges for efficient adsorption and selective separation of organic pollutants. <i>CrystEngComm</i> , 2017, 19, 5653-5661.	1.3	15
38	Characterization of the relationship between olfactory perception and the release of aroma compounds before and after simulated oral processing. <i>Journal of Dairy Science</i> , 2021, 104, 2855-2865.	1.4	15
39	Efficient Mn-doped CdS quantum dot sensitized solar cells based on SnO <sub>2</sub> microsphere photoelectrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 754-759.	1.1	13
40	Isomaltooligosaccharide increases the <i>Lactobacillus rhamnosus</i> viable count in cheddar cheese. <i>International Journal of Dairy Technology</i> , 2015, 68, 389-398.	1.3	13
41	Effect of YAP Inhibition on Human Leukemia HL-60 Cells. <i>International Journal of Medical Sciences</i> , 2017, 14, 902-910.	1.1	13
42	Prediction of summer extreme precipitation over the middle and lower reaches of the Yangtze River basin. <i>International Journal of Climatology</i> , 2019, 39, 375-383.	1.5	13
43	ACTL6A interacts with p53 in acute promyelocytic leukemia cell lines to affect differentiation via the Sox2/Notch1 signaling pathway. <i>Cellular Signalling</i> , 2019, 53, 390-399.	1.7	13
44	Alkaline phosphatase downregulation promotes lung adenocarcinoma metastasis via the c-Myc/RhoA axis. <i>Cancer Cell International</i> , 2021, 21, 217.	1.8	13
45	Coupling polymer monolith microextraction to gas chromatography: determination of pyrethroids in water samples. <i>Mikrochimica Acta</i> , 2011, 173, 127-133.	2.5	12
46	Several Critical Cell Types, Tissues, and Pathways Are Implicated in Genome-Wide Association Studies for Systemic Lupus Erythematosus. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1503-1511.	0.8	12
47	Epigallocatechin-3-gallate promotes all-trans retinoic acid-induced maturation of acute promyelocytic leukemia cells via PTEN. <i>International Journal of Oncology</i> , 2017, 51, 899-906.	1.4	12
48	Salinomycin induces apoptosis and differentiation in human acute promyelocytic leukemia cells. <i>Oncology Reports</i> , 2018, 40, 877-886.	1.2	12
49	Oncogenic role of <i>MIR516A</i> in human bladder cancer was mediated by its attenuating PHLPP2 expression and BECN1-dependent autophagy. <i>Autophagy</i> , 2021, 17, 840-854.	4.3	12
50	Construction of A High-Flux Protein Transport Channel Inspired by the Nuclear Pore Complex. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24443-24449.	7.2	12
51	Multi-objective multi-stage transmission network expansion planning considering life cycle cost and risk value under uncertainties. <i>International Transactions on Electrical Energy Systems</i> , 2013, 23, 438-450.	1.2	11
52	A reciprocating magnetic field assisted on-line solid-phase extraction coupled with liquid chromatography-tandem mass spectrometry determination of trace tetracyclines in water. <i>Analytica Chimica Acta</i> , 2021, 1182, 338957.	2.6	11
53	Preparation of nano-flower-like SnO <sub>2</sub> particles and their applications in efficient CdS quantum dots sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7914-7920.	1.1	10
54	Effect of waxy rice starch on textural and microstructural properties of microwave-puffed cheese chips. <i>International Journal of Dairy Technology</i> , 2018, 71, 501-511.	1.3	10

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55	Effect of soybean protein isolate-pectin composite nanoparticles and hydroxypropyl methyl cellulose on the formation, stabilization and lipidolysis of food-grade emulsions. <i>Food Chemistry</i> , 2022, 389, 133102.	4.2	10
56	A contingency-aware method for N-2 security-constrained transmission expansion planning. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019, 7, 1008-1019.	3.3	9
57	A Comparative Analysis of Lipid Digestion in Human Milk and Infant Formulas Based on Simulated In Vitro Infant Gastrointestinal Digestion. <i>Foods</i> , 2022, 11, 200.	1.9	9
58	Effects of Antimicrobial Peptide Microcin C7 on Growth Performance, Immune and Intestinal Barrier Functions, and Cecal Microbiota of Broilers. <i>Frontiers in Veterinary Science</i> , 2021, 8, 813629.	0.9	9
59	Separation and purification of hypocholesterolaemic peptides from whey protein and their stability under simulated gastrointestinal digestion. <i>International Journal of Dairy Technology</i> , 2018, 71, 460-468.	1.3	8
60	Highly sensitive voltammetric detection of DNA hybridization in sandwich format using thionine-capped gold nanoparticle/reporter DNA conjugates as signal tags. <i>Gold Bulletin</i> , 2014, 47, 119-125.	1.1	7
61	Effect of exopolysaccharides-producing strain on oxidation stability of DHA micro algae oil microcapsules. <i>Food Bioscience</i> , 2018, 23, 60-66.	2.0	7
62	RAS-Responsive Element-Binding Protein 1 Blocks the Granulocytic Differentiation of Myeloid Leukemia Cells. <i>Oncology Research</i> , 2019, 27, 809-818.	0.6	7
63	Infrared polarization and intensity image fusion based on bivariate BEMD and sparse representation. <i>Multimedia Tools and Applications</i> , 2021, 80, 4455-4471.	2.6	7
64	An Extended DC Power Flow Model Considering Voltage Magnitude. <i>Journal of Modern Power Systems and Clean Energy</i> , 2021, 9, 679-683.	3.3	7
65	Population genetic structure of Marbled Rockfish, <i>Sebastes marmoratus</i> (Cuvier, 1829), in the northwestern Pacific Ocean. <i>ZooKeys</i> , 2019, 830, 127-144.	0.5	7
66	More heritability probably captured by psoriasis genome-wide association study in Han Chinese. <i>Gene</i> , 2015, 573, 46-49.	1.0	6
67	MiR-15b regulates cell differentiation and survival by targeting CCNE1 in APL cell lines. <i>Cellular Signalling</i> , 2019, 60, 57-64.	1.7	6
68	Phylogeographic pattern of <i>Liza affinis</i> populations in Chinese coastal waters: estimation of larval dispersal potential. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018, 29, 1253-1260.	0.7	5
69	Population Genetic Structure of <i>Liza affinis</i> (Eastern Keelback Mullet), Reveals High Gene Flow Inferred from Microsatellite Analysis. <i>Ocean Science Journal</i> , 2019, 54, 245-256.	0.6	5
70	MtPIN1 and MtPIN3 Play Dual Roles in Regulation of Shade Avoidance Response under Different Environments in <i>Medicago truncatula</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 8742.	1.8	3
71	Recent Approaches and Methods for the Formulation of a Risk Free Infant Formula: Review. <i>Food Reviews International</i> , 2023, 39, 59-72.	4.3	3
72	Analysis of multiple-phytohormones during fruit development in strawberry by using miniaturized dispersive solid-phase extraction based on ionic liquid-functionalized carbon fibers. <i>Journal of Food Composition and Analysis</i> , 2022, 106, 104262.	1.9	3

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73	A rare variant in COL11A1 is strongly associated with adult height in Chinese Han population. Journal of Genetics and Genomics, 2016, 43, 549-554.	1.7	2
74	Frequency-Constrained Generation Expansion Planning with Frequency Support from Wind Farm. , 2020, , .		2
75	Rheological, texture and <i>in vitro</i> digestibility properties on steamed rice bread modified by ultrafine grinding and high pressure homogenization on rice-koara slurry. International Journal of Food Science and Technology, 2022, 57, 5216-5227.	1.3	2
76	An estimation method of wind energy curtailment considering wind generator tripping in frequency adjustment level. International Transactions on Electrical Energy Systems, 2016, 26, 1427-1443.	1.2	1
77	Characterization of chromatin accessibility in psoriasis. Frontiers of Medicine, 2021, , 1.	1.5	1
78	Construction of A High-flux Protein Transport Channel Inspired by the Nuclear Pore Complex. Angewandte Chemie, 2021, 133, 24648.	1.6	0
79	Acute nitrite exposure interferes with intestinal thyroid hormone homeostasis in grass carp (Ctenopharyngodon idellus). Ecotoxicology and Environmental Safety, 2022, 237, 113510.	2.9	0