

# Lu Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/810325/publications.pdf>

Version: 2024-02-01

61  
papers

3,377  
citations

393982

19  
h-index

149479

56  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3741  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulated food inks for extrusion-based 3D printing of personalized foods: a mini review. <i>Current Opinion in Food Science</i> , 2022, 44, 100803.	4.1	24
2	Digitalisation and Artificial Intelligence for sustainable food systems. <i>Trends in Food Science and Technology</i> , 2022, 120, 344-348.	7.8	41
3	Steering the formation of cellobiose and oligosaccharides during enzymatic hydrolysis of asparagus fibre. <i>LWT - Food Science and Technology</i> , 2022, 160, 113273.	2.5	5
4	How urbanization affect the ecosystem health of Tibet based on terrain gradients: a case study of Shannan, China. <i>Ecosystem Health and Sustainability</i> , 2022, 8, .	1.5	7
5	Long-term effects of combining gypsuming with brackish ice irrigation on soil desalinization and crop growth in abandoned saline-sodic land. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 2033-2047.	1.3	4
6	Maximising the benefits of regulatory ecosystem services via spatial optimisation. <i>Journal of Cleaner Production</i> , 2021, 291, 125272.	4.6	8
7	Effects of protected areas on survival of threatened gibbons in China. <i>Conservation Biology</i> , 2021, 35, 1288-1298.	2.4	12
8	Species bias and spillover effects in scientific research on Carnivora in China. <i>Zoological Research</i> , 2021, 42, 354-361.	0.9	6
9	Abiotic and Biotic Influences on the Movement of Reintroduced Chinese Giant Salamanders ( <i>Andrias</i> ) Tj ETQq1 1 0.784314 rgBT /Over	1.0	2
10	Linking Dietary Patterns to Environmental Degradation: The Spatiotemporal Analysis of Rural Food Nitrogen Footprints in China. <i>Frontiers in Nutrition</i> , 2021, 8, 717640.	1.6	4
11	Interfacial Rheology and Foaming Properties of Soy Protein and Hydrolysates under Acid Condition. <i>Food Biophysics</i> , 2021, 16, 484-491.	1.4	10
12	Predicting the extrudability of complex food materials during 3D printing based on image analysis and gray-box data-driven modelling. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 73, 102764.	2.7	20
13	Influence of traditional ecological knowledge on conservation of the skywalker hoolock gibbon ( <i>Hoolock tianxing</i> ) outside nature reserves. <i>Biological Conservation</i> , 2020, 241, 108267.	1.9	22
14	Printability and Physicochemical Properties of Microalgae-Enriched 3D-Printed Snacks. <i>Food and Bioprocess Technology</i> , 2020, 13, 2029-2042.	2.6	62
15	Impact of conjugation with maltodextrin on rheological properties of sodium caseinate. <i>International Dairy Journal</i> , 2020, 105, 104660.	1.5	12
16	Controlled oleosome extraction to produce a plant-based mayonnaise-like emulsion using solely rapeseed seeds. <i>LWT - Food Science and Technology</i> , 2020, 123, 109120.	2.5	31
17	Living in forests: strata use by Indo-Chinese gray langurs (&lt;i>Trachypithecus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Tf terrestriality. <i>Zoological Research</i> , 2020, 41, 373-380.	0.9	2
18	Gaining insight on spray drying behavior of foods via single droplet drying analyses. <i>Drying Technology</i> , 2019, 37, 525-534.	1.7	26

#	ARTICLE	IF	CITATIONS
19	Focusing on rapid urbanization areas can control the rapid loss of migratory water bird habitats in China. <i>Global Ecology and Conservation</i> , 2019, 20, e00801.	1.0	12
20	Methodology for accounting the net mitigation of China's ecological restoration projects (CANM-EP). <i>MethodsX</i> , 2019, 6, 1753-1773.	0.7	3
21	Hidden Loss of Wetlands in China. <i>Current Biology</i> , 2019, 29, 3065-3071.e2.	1.8	85
22	Which Species Should We Focus On? Umbrella Species Assessment in Southwest China. <i>Biology</i> , 2019, 8, 42.	1.3	9
23	Temporal Changes in Multiple Ecosystem Services and Their Bundles Responding to Urbanization and Ecological Restoration in the Beijing-Tianjin-Hebei Metropolitan Area. <i>Sustainability</i> , 2019, 11, 2079.	1.6	8
24	Arabinoxylans-enriched fractions: From dry fractionation of wheat bran to the investigation on bread baking performance. <i>Journal of Cereal Science</i> , 2019, 87, 1-8.	1.8	28
25	Exploring the Relationships between Key Ecological Indicators to Improve Natural Conservation Planning at Different Scales. <i>Forests</i> , 2019, 10, 32.	0.9	9
26	Kinetic study of the thermal inactivation of <i>Lactobacillus plantarum</i> during bread baking. <i>Drying Technology</i> , 2019, 37, 1277-1289.	1.7	8
27	Spatial distribution and seasonal movement patterns of reintroduced Chinese giant salamanders. <i>BMC Zoology</i> , 2019, 4, .	0.3	5
28	Effects of national ecological restoration projects on carbon sequestration in China from 2001 to 2010. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4039-4044.	3.3	486
29	Survival of encapsulated <i>Lactobacillus plantarum</i> during isothermal heating and bread baking. <i>LWT - Food Science and Technology</i> , 2018, 93, 396-404.	2.5	25
30	Effect of baking conditions and storage on the viability of <i>Lactobacillus plantarum</i> supplemented to bread. <i>LWT - Food Science and Technology</i> , 2018, 87, 318-325.	2.5	34
31	Fencing for conservation? The impacts of fencing on grasslands and the endangered Przewalski's gazelle on the Tibetan Plateau. <i>Science China Life Sciences</i> , 2018, 61, 1593-1595.	2.3	4
32	The neglected otters in China: Distribution change in the past 400 years and current conservation status. <i>Biological Conservation</i> , 2018, 228, 259-267.	1.9	12
33	3D printing of cereal-based food structures containing probiotics. <i>Food Structure</i> , 2018, 18, 14-22.	2.3	129
34	Conservation outcomes assessment of Sanjiangyuan alpine grassland with MODIS-EVI approach. <i>Biodiversity Science</i> , 2018, 26, 149-157.	0.2	1
35	Thermal inactivation kinetics of $\beta$ -galactosidase during bread baking. <i>Food Chemistry</i> , 2017, 225, 107-113.	4.2	13
36	Strengthening protected areas for biodiversity and ecosystem services in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1601-1606.	3.3	461

#	ARTICLE	IF	CITATIONS
37	Reply to Yang et al.: Coastal wetlands are not well represented by protected areas for endangered birds. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5493-E5493.	3.3	1
38	Driving forces and their effects on water conservation services in forest ecosystems in China. Chinese Geographical Science, 2017, 27, 216-228.	1.2	31
39	Antipredation Sleeping Behavior of Skywalker Hoolock Gibbons ( <i>Hoolock tianxing</i> ) in Mt. Gaoligong, Yunnan, China. International Journal of Primatology, 2017, 38, 629-641.	0.9	13
40	Are declining populations of wild geese in China "prisoners" of their natural habitats?. Current Biology, 2017, 27, R376-R377.	1.8	56
41	Reply to Bridgewater and Babin: Need for a new protected area category for ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4319-E4320.	3.3	4
42	Investigation on water status and distribution in broccoli and the effects of drying on water status using NMR and MRI methods. Food Research International, 2017, 96, 191-197.	2.9	168
43	Formulating a list of sites of waterbird conservation significance to contribute to China's Ecological Protection Red Line. Bird Conservation International, 2017, 27, 153-166.	0.7	13
44	Reassessing the conservation status of the giant panda using remote sensing. Nature Ecology and Evolution, 2017, 1, 1635-1638.	3.4	127
45	Environmental Characteristics Associated with Settlement of Reintroduced Chinese Giant Salamanders. Journal of Herpetology, 2017, 51, 417-424.	0.2	4
46	Effects of the Qinghai-Tibet Railway on the Landscape Genetics of the Endangered Przewalski's Gazelle ( <i>Procapra przewalskii</i> ). Scientific Reports, 2017, 7, 17983.	1.6	12
47	Urban networks among Chinese cities along "the Belt and Road": A case of web search activity in cyberspace. PLoS ONE, 2017, 12, e0188868.	1.1	14
48	SURGICAL IMPLANTATION OF COELOMIC RADIOTRANSMITTERS AND POSTOPERATIVE SURVIVAL OF CHINESE GIANT SALAMANDERS ( <i>ANDRIAS DAVIDIANUS</i> ) FOLLOWING REINTRODUCTION. Journal of Zoo and Wildlife Medicine, 2016, 47, 187-195.	0.3	14
49	Miniature bread baking as a timesaving research approach and mathematical modeling of browning kinetics. Food and Bioprocess Technology, 2016, 100, 401-411.	1.8	12
50	Improvements in ecosystem services from investments in natural capital. Science, 2016, 352, 1455-1459.	6.0	1,117
51	Reintroduction and Post-Release Survival of a Living Fossil: The Chinese Giant Salamander. PLoS ONE, 2016, 11, e0156715.	1.1	19
52	Assessment of habitat fragmentation caused by traffic networks and identifying key affected areas to facilitate rare wildlife conservation in China. Wildlife Research, 2015, 42, 266.	0.7	12
53	The Effect of Water Temperature on the Growth of Captive Chinese Giant Salamanders ( <i>Andrias</i> ) Tj ETQq1 1 0.784314 rgBT /Overl Herpetologica, 2014, 70, 369-377.	0.2	12
54	A study on <i>Bifidobacterium lactis</i> Bb12 viability in bread during baking. Journal of Food Engineering, 2014, 122, 33-37.	2.7	33

#	ARTICLE	IF	CITATIONS
55	Determination of priority nature conservation areas and human disturbances in the Yangtze River Basin, China. <i>Journal for Nature Conservation</i> , 2014, 22, 326-336.	0.8	36
56	The impact of fencing on the distribution of Przewalski's gazelle. <i>Journal of Wildlife Management</i> , 2014, 78, 255-263.	0.7	9
57	Calcium-Aggregated Milk: a Potential New Option for Improving the Viability of Lactic Acid Bacteria Under Heat Stress. <i>Food and Bioprocess Technology</i> , 2014, 7, 3147-3155.	2.6	20
58	Distribution and population status of Przewalski's gazelle, <i>Procapra przewalskii</i> (Cetartiodactyla). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	0.3	2
59	Isolation and characterization of microsatellite markers in an endangered species <i>Dracaena cambodiana</i> (Liliaceae). <i>American Journal of Botany</i> , 2010, 97, e91-3.	0.8	4
60	The relation between the content of organic phosphorus and latitude in Northeast China phaeozem. <i>Biology and Fertility of Soils</i> , 2005, 42, 159-162.	2.3	5
61	Recent developments in functional bakery products and the impact of baking on active ingredients. , 0, , .		2