

# Longyu Zheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4968646/publications.pdf>

Version: 2024-02-01

54  
papers

3,711  
citations

136740

32  
h-index

205818

48  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2098  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioconversion of dairy manure by black soldier fly (Diptera: Stratiomyidae) for biodiesel and sugar production. <i>Waste Management</i> , 2011, 31, 1316-1320.	3.7	254
2	From organic waste to biodiesel: Black soldier fly, <i>Hermetia illucens</i> , makes it feasible. <i>Fuel</i> , 2011, 90, 1545-1548.	3.4	225
3	Biodiesel production from rice straw and restaurant waste employing black soldier fly assisted by microbes. <i>Energy</i> , 2012, 47, 225-229.	4.5	191
4	Double the biodiesel yield: Rearing black soldier fly larvae, <i>Hermetia illucens</i> , on solid residual fraction of restaurant waste after grease extraction for biodiesel production. <i>Renewable Energy</i> , 2012, 41, 75-79.	4.3	185
5	Conversion of mixtures of dairy manure and soybean curd residue by black soldier fly larvae ( <i>Hermetia illucens</i> L.). <i>Journal of Cleaner Production</i> , 2017, 154, 366-373.	4.6	176
6	Dynamic changes of nutrient composition throughout the entire life cycle of black soldier fly. <i>PLoS ONE</i> , 2017, 12, e0182601.	1.1	164
7	Developmental and Waste Reduction Plasticity of Three Black Soldier Fly Strains (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1224-1230.	0.9	159
8	Cellulose decomposition and larval biomass production from the co-digestion of dairy manure and chicken manure by mini-livestock ( <i>Hermetia illucens</i> L.). <i>Journal of Environmental Management</i> , 2017, 196, 458-465.	3.8	140
9	Effects of black soldier fly ( <i>Hermetia illucens</i> ) larvae meal protein as a fishmeal replacement on the growth and immune index of yellow catfish ( <i>Pelteobagrus fulvidraco</i> ). <i>Aquaculture Research</i> , 2018, 49, 1569-1577.	0.9	136
10	Genomic landscape and genetic manipulation of the black soldier fly <i>Hermetia illucens</i> , a natural waste recycler. <i>Cell Research</i> , 2020, 30, 50-60.	5.7	136
11	Screening, Expression, Purification and Functional Characterization of Novel Antimicrobial Peptide Genes from <i>Hermetia illucens</i> (L.). <i>PLoS ONE</i> , 2017, 12, e0169582.	1.1	125
12	A Survey of Bacterial Diversity From Successive Life Stages of Black Soldier Fly (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (S	0.9	111
13	Insect biorefinery: a green approach for conversion of crop residues into biodiesel and protein. <i>Biotechnology for Biofuels</i> , 2017, 10, 304.	6.2	109
14	Efficient co-conversion process of chicken manure into protein feed and organic fertilizer by <i>Hermetia illucens</i> L. (Diptera: Stratiomyidae) larvae and functional bacteria. <i>Journal of Environmental Management</i> , 2018, 217, 668-676.	3.8	109
15	Potential biodiesel and biogas production from corn cob by anaerobic fermentation and black soldier fly. <i>Bioresource Technology</i> , 2015, 194, 276-282.	4.8	100
16	A metagenomic assessment of the bacteria associated with <i>Lucilia sericata</i> and <i>Lucilia cuprina</i> (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 95	1.7	95
17	Dynamic Effects of Initial pH of Substrate on Biological Growth and Metamorphosis of Black Soldier Fly (Diptera: Stratiomyidae). <i>Environmental Entomology</i> , 2018, 47, 159-165.	0.7	85
18	Bacteria Mediate Oviposition by the Black Soldier Fly, <i>Hermetia illucens</i> (L.), (Diptera: Stratiomyidae). <i>Scientific Reports</i> , 2013, 3, 2563.	1.6	83

#	ARTICLE	IF	CITATIONS
19	Volatile organic compounds from <i>Paenibacillus polymyxa</i> KM2501-1 control <i>Meloidogyne incognita</i> by multiple strategies. <i>Scientific Reports</i> , 2017, 7, 16213.	1.6	83
20	Systematic characterization and proposed pathway of tetracycline degradation in solid waste treatment by <i>Hermetia illucens</i> with intestinal microbiota. <i>Environmental Pollution</i> , 2018, 242, 634-642.	3.7	80
21	Enhanced bioconversion of dairy and chicken manure by the interaction of exogenous bacteria and black soldier fly larvae. <i>Journal of Environmental Management</i> , 2019, 237, 75-83.	3.8	77
22	Exploring the potential of grease from yellow mealworm beetle ( <i>Tenebrio molitor</i> ) as a novel biodiesel feedstock. <i>Applied Energy</i> , 2013, 101, 618-621.	5.1	75
23	Multiple Modes of Nematode Control by Volatiles of <i>Pseudomonas putida</i> 1A00316 from Antarctic Soil against <i>Meloidogyne incognita</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 253.	1.5	75
24	Influence of <i>Lactobacillus buchneri</i> on soybean curd residue co-conversion by black soldier fly larvae ( <i>Hermetia illucens</i> ) for food and feedstock production. <i>Waste Management</i> , 2019, 86, 114-122.	3.7	67
25	Management of chicken manure using black soldier fly (Diptera: Stratiomyidae) larvae assisted by companion bacteria. <i>Waste Management</i> , 2020, 102, 312-318.	3.7	64
26	Physicochemical structure of chitin in the developing stages of black soldier fly. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 901-907.	3.6	63
27	Simultaneous utilization of glucose and xylose for lipid accumulation in black soldier fly. <i>Biotechnology for Biofuels</i> , 2015, 8, 117.	6.2	61
28	Biodiesel production from swine manure via housefly larvae ( <i>Musca domestica</i> L.). <i>Renewable Energy</i> , 2014, 66, 222-227.	4.3	60
29	Resistance of black soldier fly (Diptera: Stratiomyidae) larvae to combined heavy metals and potential application in municipal sewage sludge treatment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1559-1567.	2.7	59
30	Rapidly mitigating antibiotic resistant risks in chicken manure by <i>Hermetia illucens</i> bioconversion with intestinal microflora. <i>Environmental Microbiology</i> , 2018, 20, 4051-4062.	1.8	46
31	Effects of black soldier fly biodiesel blended with diesel fuel on combustion, performance and emission characteristics of diesel engine. <i>Energy Conversion and Management</i> , 2018, 173, 489-498.	4.4	38
32	Bioconversion-Composting of Golden Needle Mushroom ( <i>Flammulina velutipes</i> ) Root Waste by Black Soldier Fly ( <i>Hermetia illucens</i> , Diptera: Stratiomyidae) Larvae, to Obtain Added-Value Biomass and Fertilizer. <i>Waste and Biomass Valorization</i> , 2019, 10, 265-273.	1.8	36
33	Identification and Characterization of Nematicidal Volatile Organic Compounds from Deep-Sea <i>Virgibacillus dokdonensis</i> MCCC 1A00493. <i>Molecules</i> , 2020, 25, 744.	1.7	33
34	De novo transcriptome sequencing and analysis revealed the molecular basis of rapid fat accumulation by black soldier fly ( <i>Hermetia illucens</i> , L.) for development of insectival biodiesel. <i>Biotechnology for Biofuels</i> , 2019, 12, 194.	6.2	31
35	Black soldier fly, <i>Hermetia illucens</i> as a potential innovative and environmentally friendly tool for organic waste management: A mini-review. <i>Waste Management and Research</i> , 2023, 41, 81-97.	2.2	27
36	Cyclo(l-Pro <sup>14</sup> -l-Leu) of <i>Pseudomonas putida</i> MCCC 1A00316 Isolated from Antarctic Soil: Identification and Characterization of Activity against <i>Meloidogyne incognita</i> . <i>Molecules</i> , 2019, 24, 768.	1.7	24

#	ARTICLE	IF	CITATIONS
37	Dual oxidase Duox and Toll-like receptor 3 TLR3 in the Toll pathway suppress zoonotic pathogens through regulating the intestinal bacterial community homeostasis in <i>Hermetia illucens</i> L. PLoS ONE, 2020, 15, e0225873.	1.1	19
38	Evaluation of <i>Salmonella</i> Movement Through the Gut of the Lesser Mealworm, <i>Alphitobius diaperinus</i> (Coleoptera: Tenebrionidae). Vector-Borne and Zoonotic Diseases, 2012, 12, 287-292.	0.6	16
39	Comparative genomic and functional analyses: unearthing the diversity and specificity of nematocidal factors in <i>Pseudomonas putida</i> strain 1A00316. Scientific Reports, 2016, 6, 29211.	1.6	15
40	Characteristics and mechanisms of ciprofloxacin degradation by black soldier fly larvae combined with associated intestinal microorganisms. Science of the Total Environment, 2022, 811, 151371.	3.9	14
41	Efficient bioconversion of organic wastes to value-added chemicals by soaking, black soldier fly ( <i>Hermetia illucens</i> L.) and anaerobic fermentation. Journal of Environmental Management, 2018, 227, 267-276.	3.8	13
42	Inhibition of Zoonotic Pathogens Naturally Found in Pig Manure by Black Soldier Fly Larvae and Their Intestine Bacteria. Insects, 2022, 13, 66.	1.0	13
43	Volatile Organic Compounds from <i>Bacillus aryabhattai</i> MCCC 1K02966 with Multiple Modes against <i>Meloidogyne incognita</i> . Molecules, 2022, 27, 103.	1.7	13
44	Structural and functional characterizations and heterogenous expression of the antimicrobial peptides, Hidefensins, from black soldier fly, <i>Hermetia illucens</i> (L.). Protein Expression and Purification, 2022, 192, 106032.	0.6	9
45	Reproductive Toxicity of Furfural Acetone in <i>Meloidogyne incognita</i> and <i>Caenorhabditis elegans</i> . Cells, 2022, 11, 401.	1.8	8
46	Evaluation of Multiple Impacts of Furfural Acetone on Nematodes In Vitro and Control Efficiency against Root-Knot Nematodes in Pots and Fields. Antibiotics, 2020, 9, 605.	1.5	4
47	Control of <i>Meloidogyne incognita</i> in Three-Dimensional Model Systems and Pot Experiments by the Attract-and-Kill Effect of Furfural Acetone. Plant Disease, 2021, 105, 2169-2176.	0.7	3
48	Observations on the Oriental Latrine Fly, <i>Chrysomya megacephala</i> 1 in the McFaddin National Wildlife Refuge, Sabine Pass, Texas. Southwestern Entomologist, 2010, 35, 109-112.	0.1	2
49	Title is missing!. , 2020, 15, e0225873.		0
50	Title is missing!. , 2020, 15, e0225873.		0
51	Title is missing!. , 2020, 15, e0225873.		0
52	Title is missing!. , 2020, 15, e0225873.		0
53	Title is missing!. , 2020, 15, e0225873.		0
54	Title is missing!. , 2020, 15, e0225873.		0