

Longyu Zheng

List of Publications by Year in descending order

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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	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
2	Characteristics and mechanisms of ciprofloxacin degradation by black soldier fly larvae combined with associated intestinal microorganisms. <i>Science of the Total Environment</i> , 2022, 811, 151371.	3.9	14
3	Inhibition of Zoonotic Pathogens Naturally Found in Pig Manure by Black Soldier Fly Larvae and Their Intestine Bacteria. <i>Insects</i> , 2022, 13, 66.	1.0	13
4	Structural and functional characterizations and heterogenous expression of the antimicrobial peptides, Hifensins, from black soldier fly, <i>Hermetia illucens</i> (L.). <i>Protein Expression and Purification</i> , 2022, 192, 106032.	0.6	9
5	Reproductive Toxicity of Furfural Acetone in <i>Meloidogyne incognita</i> and <i>Caenorhabditis elegans</i> . <i>Cells</i> , 2022, 11, 401.	1.8	8
6	Volatile Organic Compounds from <i>Bacillus aryabhattai</i> MCCC 1K02966 with Multiple Modes against <i>Meloidogyne incognita</i> . <i>Molecules</i> , 2022, 27, 103.	1.7	13
7	Control of <i>Meloidogyne incognita</i> in Three-Dimensional Model Systems and Pot Experiments by the Attract-and-Kill Effect of Furfural Acetone. <i>Plant Disease</i> , 2021, 105, 2169-2176.	0.7	3
8	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
9	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
10	Evaluation of Multiple Impacts of Furfural Acetone on Nematodes In Vitro and Control Efficiency against Root-Knot Nematodes in Pots and Fields. <i>Antibiotics</i> , 2020, 9, 605.	1.5	4
11	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
12	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. <i>PLoS ONE</i> , 2020, 15, e0225873.	1.1	19
13	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
14	Title is missing!. , 2020, 15, e0225873.		0
15	Title is missing!. , 2020, 15, e0225873.		0
16	Title is missing!. , 2020, 15, e0225873.		0
17	Title is missing!. , 2020, 15, e0225873.		0
18	Title is missing!. , 2020, 15, e0225873.		0

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19	Title is missing!. , 2020, 15, e0225873.		0
20	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
21	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
22	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
23	Cyclo(l-Proâ€“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
24	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
25	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
26	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
27	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
28	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
29	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
30	Efficient bioconversion of organic wastes to value-added chemicals by soaking, black soldier fly (<i>Hermetia illucens</i> L.) and anaerobic fermentation. <i>Journal of Environmental Management</i> , 2018, 227, 267-276.	3.8	13
31	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
32	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
33	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
34	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
35	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
36	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

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37	Dynamic changes of nutrient composition throughout the entire life cycle of black soldier fly. PLoS ONE, 2017, 12, e0182601.	1.1	164
38	Insect biorefinery: a green approach for conversion of crop residues into biodiesel and protein. Biotechnology for Biofuels, 2017, 10, 304.	6.2	109
39	Volatile organic compounds from <i>Paenibacillus polymyxa</i> KM2501-1 control <i>Meloidogyne incognita</i> by multiple strategies. Scientific Reports, 2017, 7, 16213.	1.6	83
40	Comparative genomic and functional analyses: unearthing the diversity and specificity of nematicidal factors in <i>Pseudomonas putida</i> strain 1A00316. Scientific Reports, 2016, 6, 29211.	1.6	15
41	Potential biodiesel and biogas production from corncob by anaerobic fermentation and black soldier fly. Bioresource Technology, 2015, 194, 276-282.	4.8	100
42	Simultaneous utilization of glucose and xylose for lipid accumulation in black soldier fly. Biotechnology for Biofuels, 2015, 8, 117.	6.2	61
43	A metagenomic assessment of the bacteria associated with <i>Lucilia sericata</i> and <i>Lucilia cuprina</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 307 Td 1224-1230.	1.7	95
44	Biodiesel production from swine manure via housefly larvae (<i>Musca domestica</i> L.). Renewable Energy, 2014, 66, 222-227.	4.3	60
45	A Survey of Bacterial Diversity From Successive Life Stages of Black Soldier Fly (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 307 Td 1224-1230.	0.9	111
46	Exploring the potential of grease from yellow mealworm beetle (<i>Tenebrio molitor</i>) as a novel biodiesel feedstock. Applied Energy, 2013, 101, 618-621.	5.1	75
47	Bacteria Mediate Oviposition by the Black Soldier Fly, <i>Hermetia illucens</i> (L.), (Diptera: Stratiomyidae). Scientific Reports, 2013, 3, 2563.	1.6	83
48	Developmental and Waste Reduction Plasticity of Three Black Soldier Fly Strains (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td 1224-1230.	0.9	159
49	Biodiesel production from rice straw and restaurant waste employing black soldier fly assisted by microbes. Energy, 2012, 47, 225-229.	4.5	191
50	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
51	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. Renewable Energy, 2012, 41, 75-79.	4.3	185
52	Bioconversion of dairy manure by black soldier fly (Diptera: Stratiomyidae) for biodiesel and sugar production. Waste Management, 2011, 31, 1316-1320.	3.7	254
53	From organic waste to biodiesel: Black soldier fly, <i>Hermetia illucens</i> , makes it feasible. Fuel, 2011, 90, 1545-1548.	3.4	225
54	Observations on the Oriental Latrine Fly, <i>Chrysomya megacephala</i> in the McFaddin National Wildlife Refuge, Sabine Pass, Texas. Southwestern Entomologist, 2010, 35, 109-112.	0.1	2