# Liqiu Xia

List of Publications by Year
in descending order

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|---|---|---|---|
| 84 papers | 1,831 citations | 361413 20 h-index | 302126 39 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 1691 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Microbial Lipopeptide Supramolecular Selfâ€Assemblies as a Methuosisâ€Like Cell Death Inducer with In Vivo Antitumor Activity. Small, 2022, 18, e2104034. | 10.0 | 6 |
| 2 | Comparative Study of Bacillus amyloliquefaciens X030 on the Intestinal Flora and Antibacterial Activity Against Aeromonas of Grass Carp. Frontiers in Cellular and Infection Microbiology, 2022, 12, 815436. | 3.9 | 5 |
| 3 | Microwave-Assisted Synthesis of Silver Nanoparticles for Multimode Colorimetric Sensing of Multiplex Metal Ions and Molecular Informatization Applications. ACS Applied Materials & Interfaces, 2022, 14, 9480-9491. | 8.0 | 14 |
| 4 | Pathogenicity of fish pathogen Pseudomonas plecoglossicida and preparation of its inactivated vaccine. Microbial Pathogenesis, 2022, 166, 105488. | 2.9 | 12 |
| 5 | Promoting Butenyl-spinosyn Production Based on Omics Research and Metabolic Network Construction in Saccharopolyspora pogona. Journal of Agricultural and Food Chemistry, 2022, 70, 3557-3567. | 5.2 | 4 |
| 6 | Effect of pII key nitrogen regulatory gene on strain growth and butenyl-spinosyn biosynthesis in Saccharopolyspora pogona. Applied Microbiology and Biotechnology, 2022, , 1. | 3.6 | 1 |
| 7 | A TetR family transcriptional regulator, SP_2854 can affect the butenyl-spinosyn biosynthesis by regulating glucose metabolism in Saccharopolyspora pogona. Microbial Cell Factories, 2022, 21, 83. | 4.0 | 1 |
| 8 | ARTP and NTG compound mutations improved Cry protein production and virulence of Bacillus thuringiensis X023. Applied Microbiology and Biotechnology, 2022, 106, 4211-4221. | 3.6 | 5 |
| 9 | Aeromonas veronii infection remarkably increases expression of lysozymes in grass carp (Ctenopharyngodon idellus) and injection of lysozyme expression cassette along with QCDC adjuvant significantly upregulates immune factors and decreases cumulative mortality. Microbial Pathogenesis, 2022, 169, 105646. | 2.9 | 5 |
| 10 | Deletion of a hybrid NRPSâ€T1PKS biosynthetic gene cluster via Latour gene knockout system in Saccharopolyspora pogona and its effect on butenylâ€spinosyn biosynthesis and growth development. Microbial Biotechnology, 2021, 14, 2369-2384. | 4.2 | 6 |
| 11 | iTRAQ analysis reveals the effect of gabD and sucA gene knockouts on lysine metabolism and crystal protein formation in Bacillus thuringiensis. Environmental Microbiology, 2021, 23, 2230-2243. | 3.8 | 2 |
| 12 | Effects of lytS-L on the primary metabolism and butenyl-spinosyn biosynthesis in Saccharopolyspora pogona. Gene, 2021, 766, 145130. | 2.2 | 4 |
| 13 | Identification of a TetR family regulator and a polyketide synthase gene cluster involved in growth development and butenyl-spinosyn biosynthesis of Saccharopolyspora pogona. Applied Microbiology and Biotechnology, 2021, 105, 1519-1533. | 3.6 | 6 |
| 14 | The novel pathogenic Citrobacter freundii (CFC202) isolated from diseased crucian carp (Carassius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 533, 736190. | 3.5 | 10 |
| 15 | Isovitexin Suppresses Stemness of Lung Cancer Stem-Like Cells through Blockage of MnSOD/CaMKII/AMPK Signaling and Glycolysis Inhibition. BioMed Research International, 2021, 2021, 1-17. | 1.9 | 5 |
| 16 | Effects of acuC on the growth development and spinosad biosynthesis of Saccharopolyspora spinosa. Microbial Cell Factories, 2021, 20, 141. | 4.0 | 1 |
| 17 | Bacterioferritin: a key iron storage modulator that affects strain growth and butenyl-spinosyn biosynthesis in Saccharopolyspora pogona. Microbial Cell Factories, 2021, 20, 157. | 4.0 | 11 |
| 18 | The mutated Bacillus amyloliquefaciens strain shows high resistance to Aeromonas hydrophila and Aeromonas veronii in grass carp. Microbiological Research, 2021, 250, 126801. | 5.3 | 10 |

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|---|---|---|---|
| 19 | Screening of a Plesiomonas shigelloides Phage and Study of the Activity of Its Lysis System. Virus Research, 2021, 306, 198581. | 2.2 | 4 |
| 20 | Flaviolin-Like Gene Cluster Deletion Optimized the Butenyl-Spinosyn Biosynthesis Route in Saccharopolyspora pogona. ACS Synthetic Biology, 2021, 10, 2740-2752. | 3.8 | 3 |
| 21 | Comparative Proteomics Reveals the Effect of the Transcriptional Regulator Sp13016 on Butenyl-Spinosyn Biosynthesis in Saccharopolyspora pogona. Journal of Agricultural and Food Chemistry, 2021, 69, 12554-12565. | 5.2 | 6 |
| 22 | Isolation of a new Streptomyces virginiae W18 against fish pathogens and its effect on disease resistance mechanism of Carassius auratus. Microbial Pathogenesis, 2021, 161, 105273. | 2.9 | 5 |
| 23 | Isolating a new Streptomyces amritsarensis N1-32 against fish pathogens and determining its effects on disease resistance of grass carp. Fish and Shellfish Immunology, 2020, 98, 632-640. | 3.6 | 16 |
| 24 | Enhancing the insecticidal activity of new Bacillus thuringiensis X023 by copper ions. Microbial Cell Factories, 2020, 19, 195. | 4.0 | 7 |
| 25 | RNA-Seq-Based Transcriptomic Analysis of Saccharopolyspora spinosa Revealed the Critical Function of PEP Phosphonomutase in the Replenishment Pathway. Journal of Agricultural and Food Chemistry, 2020, 68, 14660-14669. | 5.2 | 5 |
| 26 | Constructing a novel expression system by specific activation of amylase expression pathway in Penicillium. Microbial Cell Factories, 2020, 19, 155. | 4.0 | 5 |
| 27 | SenX3-RegX3, an Important Two-Component System, Regulates Strain Growth and Butenyl-spinosyn Biosynthesis in Saccharopolyspora pogona. IScience, 2020, 23, 101398. | 4.1 | 8 |
| 28 | Construction of a Conditionally Asporogenous Bacillus thuringiensis Recombinant Strain Overproducing Cry Protein by Deletion of the leuB Gene. Frontiers in Microbiology, 2020, 11, 1769. | 3.5 | 4 |
| 29 | Cry1Ac Protoxin and Its Activated Toxin from Bacillus thuringiensis Act Differentially during the Pathogenic Process. Journal of Agricultural and Food Chemistry, 2020, 68, 5816-5824. | 5.2 | 5 |
| 30 | Effects of SpoIVA on the formation of spores and crystal protein in Bacillus thuringiensis. Microbiological Research, 2020, 239, 126523. | 5.3 | 1 |
| 31 | Comparative analysis and gut bacterial community assemblages of grass carp and crucian carp in new lineages from the Dongting Lake area. MicrobiologyOpen, 2020, 9, e996. | 3.0 | 15 |
| 32 | Effect of the TetR family transcriptional regulator Sp1418 on the global metabolic network of Saccharopolyspora pogona. Microbial Cell Factories, 2020, 19, 27. | 4.0 | 16 |
| 33 | Deciphering the Metabolic Pathway Difference Between Saccharopolyspora pogona and Saccharopolyspora spinosa by Comparative Proteomics and Metabonomics. Frontiers in Microbiology, 2020, 11, 396. | 3.5 | 14 |
| 34 | Alteration of the gut microbiome and immune factors of grass carp infected with Aeromonas veronii and screening of an antagonistic bacterial strain (Streptomyces flavotricini). Microbial Pathogenesis, 2020, 143, 104092. | 2.9 | 27 |
| 35 | Intestinal probiotics E. coli Nissle 1917 as a targeted vehicle for delivery of p53 and Tum-5 to solid tumors for cancer therapy. Journal of Biological Engineering, 2019, 13, 58. | 4.7 | 84 |
| 36 | A comprehensive genomic and growth proteomic analysis of antitumor lipopeptide bacillomycin Lb biosynthesis in Bacillus amyloliquefaciens X030. Applied Microbiology and Biotechnology, 2019, 103, 7647-7662. | 3.6 | 20 |

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|---|---|---|---|
| 37 | A New Isolate of Pediococcus pentosaceus (SL001) With Antibacterial Activity Against Fish Pathogens and Potency in Facilitating the Immunity and Growth Performance of Grass Carps. Frontiers in Microbiology, 2019, 10, 1384. | 3.5 | 42 |
| 38 | Role of hsp20 in the Production of Spores and Insecticidal Crystal Proteins in Bacillus thuringiensis. Frontiers in Microbiology, 2019, 10, 2059. | 3.5 | 5 |
| 39 | Interaction of a novel Bacillus velezensis (BvL03) against Aeromonas hydrophila in vitro and in vivo in grass carp. Applied Microbiology and Biotechnology, 2019, 103, 8987-8999. | 3.6 | 23 |
| 40 | Solubility enhancement of Cry2Aa crystal through carboxy-terminal extension and synergism between the chimeric protein and Cry1Ac. Applied Microbiology and Biotechnology, 2019, 103, 2243-2250. | 3.6 | 0 |
| 41 | Antagonistic activity and protective effect of a Bacillus subtilis isolate against fish pathogen Edwardsiella piscicida. Fisheries Science, 2019, 85, 1011-1018. | 1.6 | 5 |
| 42 | Screening a fosmid library of Xenorhabdus stockiae HN_xs01 reveals SrfABC toxin that exhibits both cytotoxicity and injectable insecticidal activity. Journal of Invertebrate Pathology, 2019, 167, 107247. | 3.2 | 4 |
| 43 | Biosynthesis of polyketides by trans-AT polyketide synthases in Burkholderiales. Critical Reviews in Microbiology, 2019, 45, 162-181. | 6.1 | 12 |
| 44 | AfsR is an important regulatory factor for growth and butenyl-spinosyn biosynthesis of Saccharopolyspora pogona. Annals of Microbiology, 2019, 69, 809-818. | 2.6 | 6 |
| 45 | The conserved cysteine residues in Bacillus thuringiensis Cry1Ac protoxin are not essential for the bipyramidal crystal formation. Journal of Invertebrate Pathology, 2019, 163, 82-85. | 3.2 | 2 |
| 46 | SrfABC Toxin from Xenorhabdus stockiae Induces Cytotoxicity and Apoptosis in HeLa Cells. Toxins, 2019, 11, 685. | 3.4 | 5 |
| 47 | Recombineering Pseudomonas protegens CHA0: An innovative approach that improves nitrogen fixation with impressive bactericidal potency. Microbiological Research, 2019, 218, 58-65. | 5.3 | 16 |
| 48 | Identification of a contact-dependent growth inhibition system in the probiotic Escherichia coli Nissle 1917. FEMS Microbiology Letters, 2018, 365, . | 1.8 | 8 |
| 49 | ExoCET: exonuclease in vitro assembly combined with RecET recombination for highly efficient direct DNA cloning from complex genomes. Nucleic Acids Research, 2018, 46, e28-e28. | 14.5 | 96 |
| 50 | Heterologous expression and antitumor activity analysis of syringolin from Pseudomonas syringae pv. syringae B728a. Microbial Cell Factories, 2018, 17, 31. | 4.0 | 9 |
| 51 | Yield improvement of epothilones in Burkholderia strain DSM7029 via transporter engineering. FEMS Microbiology Letters, 2018, 365, . | 1.8 | 8 |
| 52 | The full-length Cry1Ac protoxin without proteolytic activation exhibits toxicity against insect cell line CF-203. Journal of Invertebrate Pathology, 2018, 152, 25-29. | 3.2 | 8 |
| 53 | E. coli Nissle 1917-Derived Minicells for Targeted Delivery of Chemotherapeutic Drug to Hypoxic Regions for Cancer Therapy. Theranostics, 2018, 8, 1690-1705. | 10.0 | 71 |
| 54 | Impact on strain growth and butenyl-spinosyn biosynthesis by overexpression of polynucleotide phosphorylase gene in Saccharopolyspora pogona. Applied Microbiology and Biotechnology, 2018, 102, 8011-8021. | 3.6 | 18 |

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|---|---|---|---|
| 55 | A Proteomic Analysis Provides Novel Insights into the Stress Responses of Caenorhabditis elegans towards Nematicidal Cry6A Toxin from Bacillus thuringiensis. Scientific Reports, 2017, 7, 14170. | 3.3 | 12 |
| 56 | Escherichia coli Nissle 1917 engineered to express Tum-5 can restrain murine melanoma growth. Oncotarget, 2017, 8, 85772-85782. | 1.8 | 35 |
| 57 | Comparative Analysis of Genomics and Proteomics in the New Isolated Bacillus thuringiensis X022 Revealed the Metabolic Regulation Mechanism of Carbon Flux Following Cu2+ Treatment. Frontiers in Microbiology, 2016, 7, 792. | 3.5 | 9 |
| 58 | â€œCre/loxP plus BACâ€: a strategy for direct cloning of large DNA fragment and its applications in Photorhabdus luminescens and Agrobacterium tumefaciens. Scientific Reports, 2016, 6, 29087. | 3.3 | 10 |
| 59 | A rifampicin-resistant (rpoB) mutation in Pseudomonas protegens Pf-5 strain leads to improved antifungal activity and elevated production of secondary metabolites. Research in Microbiology, 2016, 167, 625-629. | 2.1 | 7 |
| 60 | Efficient Construction of Large Genomic Deletion in Agrobacterium tumefaciens by Combination of Cre/loxP System and Triple Recombineering. Current Microbiology, 2016, 72, 465-472. | 2.2 | 10 |
| 61 | Direct cloning and heterologous expression of the salinomycin biosynthetic gene cluster from Streptomyces albus DSM41398 in Streptomyces coelicolor A3(2). Scientific Reports, 2015, 5, 15081. | 3.3 | 49 |
| 62 | Proteomic analysis of the influence of Cu2+ on the crystal protein production of Bacillus thuringiensis X022. Microbial Cell Factories, 2015, 14, 153. | 4.0 | 14 |
| 63 | Comparative Analysis of Genomics and Proteomics in Bacillus thuringiensis 4.0718. PLoS ONE, 2015, 10, e0119065. | 2.5 | 27 |
| 64 | Anticancer Activity of Saponins fromAllium chinenseagainst the B16 Melanoma and 4T1 Breast Carcinoma Cell. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-12. | 1.2 | 18 |
| 65 | Purification and cloning of lectin that induce cell apoptosis from Allium chinense. Phytomedicine, 2015, 22, 238-244. | 5.3 | 14 |
| 66 | The diverse nematicidal properties and biocontrol efficacy of Bacillus thuringiensis Cry6A against the root-knot nematode Meloidogyne hapla. Journal of Invertebrate Pathology, 2015, 125, 73-80. | 3.2 | 55 |
| 67 | Proteomic insights into metabolic adaptation to deletion of metE in Saccharopolyspora spinosa. Applied Microbiology and Biotechnology, 2015, 99, 8629-8641. | 3.6 | 27 |
| 68 | A new recombineering system for Photorhabdus and Xenorhabdus. Nucleic Acids Research, 2015, 43, e36-e36. | 14.5 | 54 |
| 69 | Heterologous expression of an orphan NRPS gene cluster from Paenibacillus larvae in Escherichia coli revealed production of sevadicin. Journal of Biotechnology, 2015, 194, 112-114. | 3.8 | 19 |
| 70 | Differential proteomic profiling reveals regulatory proteins and novel links between primary metabolism and spinosad production in Saccharopolyspora spinosa. Microbial Cell Factories, 2014, 13, 27. | 4.0 | 40 |
| 71 | PirB-Cry2Aa hybrid protein exhibits enhanced insecticidal activity against Spodoptera exigua larvae. Journal of Invertebrate Pathology, 2014, 120, 40-42. | 3.2 | 6 |
| 72 | Escherichia coli Nissle 1917 Targets and Restrains Mouse B16 Melanoma and 4T1 Breast Tumors through Expression of Azurin Protein. Applied and Environmental Microbiology, 2012, 78, 7603-7610. | 3.1 | 96 |

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|---|---|---|---|
| 73 | Proteomic Analysis of Bacillus thuringiensis at Different Growth Phases by Using an Automated Online Two-Dimensional Liquid Chromatography-Tandem Mass Spectrometry Strategy. Applied and Environmental Microbiology, 2012, 78, 5270-5279. | 3.1 | 28 |
| 74 | Promotion of spinosad biosynthesis by chromosomal integration of the Vitreoscilla hemoglobin gene in Saccharopolyspora spinosa. Science China Life Sciences, 2012, 55, 172-180. | 4.9 | 18 |
| 75 | Full-length RecE enhances linear-linear homologous recombination and facilitates direct cloning for bioprospecting. Nature Biotechnology, 2012, 30, 440-446. | 17.5 | 375 |
| 76 | Duplication of partial spinosyn biosynthetic gene cluster in Saccharopolyspora spinosa enhances spinosyn production. FEMS Microbiology Letters, 2011, 325, 22-29. | 1.8 | 34 |
| 77 | Comparative Proteomic Analysis of saccharopolyspora spinosa SP06081 and PR2 strains reveals the differentially expressed proteins correlated with the increase of spinosad yield. Proteome Science, 2011, 9, 40. | 1.7 | 21 |
| 78 | Homology Modeling of Cry1Ac Toxinâ€binding Alkaline Phosphatase Receptor from Helicoverpa armigera and Its Functional Interpretation. Chinese Journal of Chemistry, 2011, 29, 427-432. | 4.9 | 4 |
| 79 | Proteomic analysis of BBMV inHelicoverpa armigeramidgut with and without Cry1Ac toxin treatment. Biocontrol Science and Technology, 2011, 21, 139-151. | 1.3 | 19 |
| 80 | A proteomic analysis approach to study insecticidal crystal proteins from different strains ofBacillus thuringiensis. Biocontrol Science and Technology, 2009, 19, 289-299. | 1.3 | 4 |
| 81 | Recent advances in the biochemistry of spinosyns. Applied Microbiology and Biotechnology, 2009, 82, 13-23. | 3.6 | 64 |
| 82 | The Expression of a Recombinant cry1Ac Gene with Subtilisin-Like Protease CDEP2 Gene in Acrystalliferous Bacillus thuringiensis by Red/ET Homologous Recombination. Current Microbiology, 2009, 59, 386-392. | 2.2 | 17 |
| 83 | The role of Î²18â€“Î²19 loop structure in insecticidal activity of Cry1Ac toxin from Bacillus thuringiensis. Science Bulletin, 2008, 53, 3178-3184. | 9.0 | 10 |
| 84 | The Global Regulator PhoU Positively Controls Growth and Butenyl-Spinosyn Biosynthesis in Saccharopolyspora pogona. Frontiers in Microbiology, 0, 13, . | 3.5 | 0 |