

Jyh-Yih Chen

List of Publications by Year in descending order

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4,309
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3690
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Applications of antimicrobial peptides from fish and perspectives for the future. <i>Peptides</i> , 2011, 32, 415-420. | 1.2 | 194 |
| 2 | Three different hepcidins from tilapia, <i>Oreochromis mossambicus</i> : Analysis of their expressions and biological functions. <i>Molecular Immunology</i> , 2007, 44, 1922-1934. | 1.0 | 142 |
| 3 | Antimicrobial peptides: Possible anti-infective agents. <i>Peptides</i> , 2015, 72, 88-94. | 1.2 | 139 |
| 4 | Gene Expression and Localization of the Epinecidin-1 Antimicrobial Peptide in the Grouper (<i>Epinephelus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 403-413. | 0.9 | 117 |
| 5 | Five Different Piscidins from Nile Tilapia, <i>Oreochromis niloticus</i> : Analysis of Their Expressions and Biological Functions. <i>PLoS ONE</i> , 2012, 7, e50263. | 1.1 | 117 |
| 6 | A fish antimicrobial peptide, tilapia hepcidin TH2-3, shows potent antitumor activity against human fibrosarcoma cells. <i>Peptides</i> , 2009, 30, 1636-1642. | 1.2 | 102 |
| 7 | Antimicrobial peptides (AMP) with antiviral activity against fish nodavirus. <i>Fish and Shellfish Immunology</i> , 2010, 28, 434-439. | 1.6 | 101 |
| 8 | Epinecidin-1, an antimicrobial peptide from fish (<i>Epinephelus coioides</i>) which has an antitumor effect like lytic peptides in human fibrosarcoma cells. <i>Peptides</i> , 2009, 30, 283-290. | 1.2 | 93 |
| 9 | Antiviral activity by fish antimicrobial peptides of epinecidin-1 and hepcidin 1â€“5 against nervous necrosis virus in medaka. <i>Peptides</i> , 2010, 31, 1026-1033. | 1.2 | 91 |
| 10 | In vitro activities of three synthetic peptides derived from epinecidin-1 and an anti-lipopolysaccharide factor against <i>Propionibacterium acnes</i> , <i>Candida albicans</i> , and <i>Trichomonas vaginalis</i> . <i>Peptides</i> , 2009, 30, 1058-1068. | 1.2 | 83 |
| 11 | Differential expression patterns of growth-related microRNAs in the skeletal muscle of Nile tilapia (<i>Oreochromis niloticus</i>)1. <i>Journal of Animal Science</i> , 2012, 90, 4266-4279. | 0.2 | 81 |
| 12 | Tilapia hepcidin (TH)2-3 as a transgene in transgenic fish enhances resistance to <i>Vibrio vulnificus</i> infection and causes variations in immune-related genes after infection by different bacterial species. <i>Fish and Shellfish Immunology</i> , 2010, 29, 430-439. | 1.6 | 78 |
| 13 | Tilapia (<i>Oreochromis mossambicus</i>) antimicrobial peptide, hepcidin 1â€“5, shows antitumor activity in cancer cells. <i>Peptides</i> , 2011, 32, 342-352. | 1.2 | 76 |
| 14 | Pardaxin, an Antimicrobial Peptide, Triggers Caspase-Dependent and ROS-Mediated Apoptosis in HT-1080 Cells. <i>Marine Drugs</i> , 2011, 9, 1995-2009. | 2.2 | 74 |
| 15 | Use of the antimicrobial peptide Epinecidin-1 to protect against MRSA infection in mice with skin injuries. <i>Biomaterials</i> , 2013, 34, 10319-10327. | 5.7 | 72 |
| 16 | Inactivation of nervous necrosis virus infecting grouper (<i>Epinephelus coioides</i>) by epinecidin-1 and hepcidin 1â€“5 antimicrobial peptides, and downregulation of Mx2 and Mx3 gene expressions. <i>Fish and Shellfish Immunology</i> , 2010, 28, 113-120. | 1.6 | 62 |
| 17 | Oral administration of recombinant epinecidin-1 protected grouper (<i>Epinephelus coioides</i>) and zebrafish (<i>Danio rerio</i>) from <i>Vibrio vulnificus</i> infection and enhanced immune-related gene expressions. <i>Fish and Shellfish Immunology</i> , 2012, 32, 947-957. | 1.6 | 62 |
| 18 | Insights into the antibacterial and immunomodulatory functions of the antimicrobial peptide, epinecidin-1, against <i>Vibrio vulnificus</i> infection in zebrafish. <i>Fish and Shellfish Immunology</i> , 2011, 31, 1019-1025. | 1.6 | 61 |

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|----|--|-----|-----------|
| 19 | Antiviral function of tilapia hepcidin 1-5 and its modulation of immune-related gene expressions against infectious pancreatic necrosis virus (IPNV) in Chinook salmon embryo (CHSE)-214 cells. <i>Fish and Shellfish Immunology</i> , 2011, 30, 39-44. | 1.6 | 60 |
| 20 | Expression of recombinant tilapia insulin-like growth factor-I and stimulation of juvenile tilapia growth by injection of recombinant IGFs polypeptides. <i>Aquaculture</i> , 2000, 181, 347-360. | 1.7 | 57 |
| 21 | Epinecidin-1 peptide induces apoptosis which enhances antitumor effects in human leukemia U937 cells. <i>Peptides</i> , 2009, 30, 2365-2373. | 1.2 | 57 |
| 22 | The mechanisms by which pardaxin, a natural cationic antimicrobial peptide, targets the endoplasmic reticulum and induces c-FOS. <i>Biomaterials</i> , 2014, 35, 3627-3640. | 5.7 | 55 |
| 23 | Efficacy of the antimicrobial peptide TP4 against <i>Helicobacter pylori</i> infection: <i>in vitro</i> membrane perturbation <i>via</i> micellization and <i>in vivo</i> suppression of host immune responses in a mouse model. <i>Oncotarget</i> , 2015, 6, 12936-12954. | 0.8 | 55 |
| 24 | Isolation and Characterization of Tilapia (<i>Oreochromis mossambicus</i>) Insulin-Like Growth Factors Gene and Proximal Promoter Region. <i>DNA and Cell Biology</i> , 1998, 17, 359-376. | 0.9 | 53 |
| 25 | Using an improved Tol2 transposon system to produce transgenic zebrafish with epinecidin-1 which enhanced resistance to bacterial infection. <i>Fish and Shellfish Immunology</i> , 2010, 28, 905-917. | 1.6 | 52 |
| 26 | Truncated antimicrobial peptides from marine organisms retain anticancer activity and antibacterial activity against multidrug-resistant <i>Staphylococcus aureus</i> . <i>Peptides</i> , 2013, 44, 139-148. | 1.2 | 49 |
| 27 | Electrotransfer of the tilapia piscidin 3 and tilapia piscidin 4 genes into skeletal muscle enhances the antibacterial and immunomodulatory functions of <i>Oreochromis niloticus</i> . <i>Fish and Shellfish Immunology</i> , 2016, 50, 200-209. | 1.6 | 49 |
| 28 | Molecular cloning and functional analysis of zebrafish high-density lipoprotein-binding protein. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 136, 117-130. | 0.7 | 48 |
| 29 | Transcriptome analysis of the effect of <i>Vibrio alginolyticus</i> infection on the innate immunity-related complement pathway in <i>Epinephelus coioides</i> . <i>BMC Genomics</i> , 2014, 15, 1102. | 1.2 | 47 |
| 30 | Transcriptome analysis of the effect of <i>Vibrio alginolyticus</i> infection on the innate immunity-related TLR5-mediated induction of cytokines in <i>Epinephelus lanceolatus</i> . <i>Fish and Shellfish Immunology</i> , 2016, 52, 31-43. | 1.6 | 47 |
| 31 | Molecular Cloning and Tissue-Specific, Developmental-Stage-Specific, and Hormonal Regulation of IGFBP3 Gene in Zebrafish. <i>Marine Biotechnology</i> , 2004, 6, 1-7. | 1.1 | 44 |
| 32 | Epinecidin-1 antimicrobial activity: <i>In vitro</i> membrane lysis and <i>In vivo</i> efficacy against <i>Helicobacter pylori</i> infection in a mouse model. <i>Biomaterials</i> , 2015, 61, 41-51. | 5.7 | 44 |
| 33 | Transgenic expression of tilapia hepcidin 1-5 and shrimp chelonianin in zebrafish and their resistance to bacterial pathogens. <i>Fish and Shellfish Immunology</i> , 2011, 31, 275-285. | 1.6 | 43 |
| 34 | Tilapia Hepcidin 2-3 Peptide Modulates Lipopolysaccharide-induced Cytokines and Inhibits Tumor Necrosis Factor- α through Cyclooxygenase-2 and Phosphodiesterase 4D. <i>Journal of Biological Chemistry</i> , 2010, 285, 30577-30586. | 1.6 | 42 |
| 35 | The physiological role of CTGF/CCN2 in zebrafish notochord development and biological analysis of the proximal promoter region. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 750-758. | 1.0 | 41 |
| 36 | Shrimp (<i>Penaeus monodon</i>) anti-lipopolysaccharide factor reduces the lethality of <i>Pseudomonas aeruginosa</i> sepsis in mice. <i>International Immunopharmacology</i> , 2007, 7, 687-700. | 1.7 | 41 |

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|----|--|-----|-----------|
| 37 | Targeting FOSB with a cationic antimicrobial peptide, TP4, for treatment of triple-negative breast cancer. <i>Oncotarget</i> , 2016, 7, 40329-40347. | 0.8 | 41 |
| 38 | In vivo screening of zebrafish microRNA responses to bacterial infection and their possible roles in regulating immune response genes after lipopolysaccharide stimulation. <i>Fish Physiology and Biochemistry</i> , 2012, 38, 1299-1310. | 0.9 | 40 |
| 39 | Production of Biologically Active Recombinant Tilapia Insulin-Like Growth Factor-II Polypeptides in <i>Escherichia coli</i> Cells and Characterization of the Genomic Structure of the Coding Region. <i>DNA and Cell Biology</i> , 1997, 16, 883-892. | 0.9 | 38 |
| 40 | Pardaxin-induced apoptosis enhances antitumor activity in HeLa cells. <i>Peptides</i> , 2011, 32, 1110-1116. | 1.2 | 37 |
| 41 | Modulation of immune responses by the antimicrobial peptide, epinecidin (Epi)-1, and establishment of an Epi-1-based inactivated vaccine. <i>Biomaterials</i> , 2011, 32, 3627-3636. | 5.7 | 37 |
| 42 | Characteristics of the antitumor activities in tumor cells and modulation of the inflammatory response in RAW264.7 cells of a novel antimicrobial peptide, chrysopsin-1, from the red sea bream (<i>Chrysophrys major</i>). <i>Peptides</i> , 2011, 32, 900-910. | 1.2 | 35 |
| 43 | Pardaxin, a Fish Antimicrobial Peptide, Exhibits Antitumor Activity toward Murine Fibrosarcoma in Vitro and in Vivo. <i>Marine Drugs</i> , 2012, 10, 1852-1872. | 2.2 | 35 |
| 44 | Shrimp anti-lipopolysaccharide factor peptide enhances the antitumor activity of cisplatin in vitro and inhibits HeLa cells growth in nude mice. <i>Peptides</i> , 2010, 31, 1019-1025. | 1.2 | 34 |
| 45 | The use of the antimicrobial peptide piscidin (PCD)-1 as a novel anti-nociceptive agent. <i>Biomaterials</i> , 2015, 53, 1-11. | 5.7 | 34 |
| 46 | Study of the Antimicrobial Activity of Tilapia Piscidin 3 (TP3) and TP4 and Their Effects on Immune Functions in Hybrid Tilapia (<i>Oreochromis spp.</i>). <i>PLoS ONE</i> , 2017, 12, e0169678. | 1.1 | 34 |
| 47 | The antimicrobial peptide, epinecidin-1, mediates secretion of cytokines in the immune response to bacterial infection in mice. <i>Peptides</i> , 2012, 36, 100-108. | 1.2 | 33 |
| 48 | Tilapia Piscidin 4 (TP4) Stimulates Cell Proliferation and Wound Closure in MRSA-Infected Wounds in Mice. <i>Marine Drugs</i> , 2015, 13, 2813-2833. | 2.2 | 33 |
| 49 | Immune response and inhibition of bacterial growth by electrotransfer of plasmid DNA containing the antimicrobial peptide, epinecidin-1, into zebrafish muscle. <i>Fish and Shellfish Immunology</i> , 2009, 26, 451-458. | 1.6 | 31 |
| 50 | Characterization of tilapia (<i>Oreochromis niloticus</i>) viperin expression, and inhibition of bacterial growth and modulation of immune-related gene expression by electrotransfer of viperin DNA into zebrafish muscle. <i>Veterinary Immunology and Immunopathology</i> , 2013, 151, 217-228. | 0.5 | 31 |
| 51 | Piscidin is Highly Active against Carbapenem-Resistant <i>Acinetobacter baumannii</i> and NDM-1-Producing <i>Klebsiella pneumonia</i> in a Systemic Septicaemia Infection Mouse Model. <i>Marine Drugs</i> , 2015, 13, 2287-2305. | 2.2 | 31 |
| 52 | Antimicrobial peptide Epinecidin-1 promotes complete skin regeneration of methicillin-resistant <i>Staphylococcus aureus</i> -infected burn wounds in a swine model. <i>Oncotarget</i> , 2017, 8, 21067-21080. | 0.8 | 31 |
| 53 | Proteomic analysis reveals that pardaxin triggers apoptotic signaling pathways in human cervical carcinoma HeLa cells: cross talk among the UPR, c-Jun and ROS. <i>Carcinogenesis</i> , 2013, 34, 1833-1842. | 1.3 | 30 |
| 54 | Use of the Antimicrobial Peptide Pardaxin (GE33) To Protect against Methicillin-Resistant <i>Staphylococcus aureus</i> Infection in Mice with Skin Injuries. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1538-1545. | 1.4 | 30 |

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|----|---|-----|-----------|
| 55 | Antimicrobial peptide of an anti-lipopolysaccharide factor modulates of the inflammatory response in RAW264.7 cells. <i>Peptides</i> , 2010, 31, 1262-1272. | 1.2 | 29 |
| 56 | Transcriptome analysis of hybrid tilapia (<i>Oreochromis</i> spp.) with <i>Streptococcus agalactiae</i> infection identifies Toll-like receptor pathway-mediated induction of NADPH oxidase complex and piscidins as primary immune-related responses. <i>Fish and Shellfish Immunology</i> , 2017, 70, 106-120. | 1.6 | 28 |
| 57 | Epinecidin-1 Has Immunomodulatory Effects, Facilitating Its Therapeutic Use in a Mouse Model of <i>Pseudomonas aeruginosa</i> Sepsis. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4264-4274. | 1.4 | 27 |
| 58 | Zebrafish fed on recombinant <i>Artemia</i> expressing epinecidin-1 exhibit increased survival and altered expression of immunomodulatory genes upon <i>Vibrio vulnificus</i> infection. <i>Fish and Shellfish Immunology</i> , 2015, 42, 1-15. | 1.6 | 27 |
| 59 | Grouper (<i>Epinephelus coioides</i>) antimicrobial peptide epinecidin-1 exhibits antiviral activity against foot-and-mouth disease virus in vitro. <i>Peptides</i> , 2018, 106, 91-95. | 1.2 | 26 |
| 60 | Antimicrobial Peptide TP4 Induces ROS-Mediated Necrosis by Triggering Mitochondrial Dysfunction in Wild-Type and Mutant p53 Glioblastoma Cells. <i>Cancers</i> , 2019, 11, 171. | 1.7 | 26 |
| 61 | cDNA sequence encoding an 11.5-kDa antibacterial peptide of the shrimp <i>Penaeus monodon</i> . <i>Fish and Shellfish Immunology</i> , 2004, 16, 659-664. | 1.6 | 25 |
| 62 | The antimicrobial peptide, tilapia hepcidin 2-3, and PMA differentially regulate the protein kinase C isoforms, TNF- α and COX-2, in mouse RAW264.7 macrophages. <i>Peptides</i> , 2011, 32, 333-341. | 1.2 | 25 |
| 63 | Shrimp anti-lipopolysaccharide factor (SALF), an antimicrobial peptide, inhibits proinflammatory cytokine expressions through the MAPK and NF- κ B pathways in LPS-induced HeLa cells. <i>Peptides</i> , 2013, 40, 42-48. | 1.2 | 25 |
| 64 | A cancer vaccine based on the marine antimicrobial peptide pardaxin (GE33) for control of bladder-associated tumors. <i>Biomaterials</i> , 2013, 34, 10151-10159. | 5.7 | 25 |
| 65 | Organization and promoter analysis of the grouper (<i>Epinephelus coioides</i>) epinecidin-1 gene. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 358-367. | 0.7 | 24 |
| 66 | Antimicrobial peptides of an anti-lipopolysaccharide factor, epinecidin-1, and hepcidin reduce the lethality of <i>Riemerella anatispestifer</i> sepsis in ducks. <i>Peptides</i> , 2010, 31, 806-815. | 1.2 | 24 |
| 67 | Transgenic expression of salmon delta-5 and delta-6 desaturase in zebrafish muscle inhibits the growth of <i>Vibrio alginolyticus</i> and affects fish immunomodulatory activity. <i>Fish and Shellfish Immunology</i> , 2014, 39, 223-230. | 1.6 | 24 |
| 68 | Molecular cloning and functional analysis of zebrafish (<i>Danio rerio</i>) chemokine genes. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 151, 400-409. | 0.7 | 23 |
| 69 | The antimicrobial peptide pardaxin exerts potent anti-tumor activity against canine perianal gland adenoma. <i>Oncotarget</i> , 2015, 6, 2290-2301. | 0.8 | 23 |
| 70 | Transcriptome analysis of medaka following epinecidin-1 and TH1-5 treatment of NNV infection. <i>Fish and Shellfish Immunology</i> , 2015, 42, 121-131. | 1.6 | 23 |
| 71 | Epinecidin-1 protects mice from LPS-induced endotoxemia and cecal ligation and puncture-induced polymicrobial sepsis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 3028-3037. | 1.8 | 23 |
| 72 | Impact of <i>Tilapia</i> hepcidin 2-3 dietary supplementation on the gut microbiota profile and immunomodulation in the grouper (<i>Epinephelus lanceolatus</i>). <i>Scientific Reports</i> , 2019, 9, 19047. | 1.6 | 23 |

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|----|--|-----|-----------|
| 73 | Modulation of the immune-related gene responses to protect mice against Japanese encephalitis virus using the antimicrobial peptide, tilapia hepcidin 1-5. <i>Biomaterials</i> , 2011, 32, 6804-6814. | 5.7 | 22 |
| 74 | Nile tilapia fry fed on antimicrobial peptide Epinecidin-1-expressing <i>Artemia</i> cyst exhibit enhanced immunity against acute bacterial infection. <i>Fish and Shellfish Immunology</i> , 2018, 81, 37-48. | 1.6 | 22 |
| 75 | Dietary supplementation of recombinant antimicrobial peptide <i>Epinephelus lanceolatus</i> piscidin improves growth performance and immune response in <i>Gallus gallus domesticus</i> . <i>PLoS ONE</i> , 2020, 15, e0230021. | 1.1 | 22 |
| 76 | Evaluation of the epinecidin-1 peptide as an active ingredient in cleaning solutions against pathogens. <i>Peptides</i> , 2010, 31, 1449-1458. | 1.2 | 21 |
| 77 | Molecular cloning and sequencing of shrimp (<i>Penaeus monodon</i>) penaeidin-5 cDNA. <i>Fish and Shellfish Immunology</i> , 2004, 16, 665-670. | 1.6 | 19 |
| 78 | Insights into the antibacterial and immunomodulatory functions of tilapia hepcidin (TH)2-3 against <i>Vibrio vulnificus</i> infection in mice. <i>Developmental and Comparative Immunology</i> , 2012, 36, 166-173. | 1.0 | 19 |
| 79 | The antimicrobial peptide, shrimp anti-lipopolysaccharide factor (SALF), inhibits proinflammatory cytokine expressions through the MAPK and NF- κ B pathways in <i>Trichomonas vaginalis</i> adherent to HeLa cells. <i>Peptides</i> , 2012, 38, 197-207. | 1.2 | 19 |
| 80 | Epinecidin-1: A marine fish antimicrobial peptide with therapeutic potential against <i>Trichomonas vaginalis</i> infection in mice. <i>Peptides</i> , 2019, 112, 139-148. | 1.2 | 19 |
| 81 | Organization and Promoter Analysis of the Zebrafish (<i>Danio rerio</i>) Interferon Gene. <i>DNA and Cell Biology</i> , 2005, 24, 641-650. | 0.9 | 18 |
| 82 | Immunomodulatory effects of dietary <i>Bacillus coagulans</i> in grouper (<i>Epinephelus coioides</i>) and zebrafish (<i>Danio rerio</i>) infected with <i>Vibrio vulnificus</i> . <i>Aquaculture International</i> , 2013, 21, 1155-1168. | 1.1 | 18 |
| 83 | Proteomic and functional analysis of zebrafish after administration of antimicrobial peptide epinecidin-1. <i>Fish and Shellfish Immunology</i> , 2013, 34, 593-598. | 1.6 | 18 |
| 84 | Nile Tilapia Derived TP4 Shows Broad Cytotoxicity Toward to Non-Small-Cell Lung Cancer Cells. <i>Marine Drugs</i> , 2018, 16, 506. | 2.2 | 17 |
| 85 | FOSB κ PCDHB13 Axis Disrupts the Microtubule Network in Non-Small Cell Lung Cancer. <i>Cancers</i> , 2019, 11, 107. | 1.7 | 17 |
| 86 | Molecular Cloning, Developmental Expression, and Hormonal Regulation of Zebrafish (<i>Danio rerio</i>) β 2 Crystallin B1, a Member of the Superfamily of β 2 Crystallin Proteins. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 105-110. | 1.0 | 16 |
| 87 | Electrotransfer of the epinecidin-1 gene into skeletal muscle enhances the antibacterial and immunomodulatory functions of a marine fish, grouper (<i>Epinephelus coioides</i>). <i>Fish and Shellfish Immunology</i> , 2013, 35, 1359-1368. | 1.6 | 16 |
| 88 | Therapeutic utility of the antimicrobial peptide Tilapia Piscidin 4 (TP4). <i>Aquaculture Reports</i> , 2020, 17, 100409. | 0.7 | 16 |
| 89 | cDNA sequence encoding an antimicrobial peptide of chelonianin from the tiger shrimp <i>Penaeus monodon</i> . <i>Fish and Shellfish Immunology</i> , 2005, 18, 179-183. | 1.6 | 15 |
| 90 | Application of RNAi Technology to the Inhibition of Zebrafish GtH β , FSH β , and LH β Expression and to Functional Analyses. <i>Zoological Science</i> , 2008, 25, 614-621. | 0.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Development of Bactericidal Peptides against Multidrug-Resistant <i>Acinetobacter baumannii</i> with Enhanced Stability and Low Toxicity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2191. | 1.8 | 15 |
| 92 | Functional Analysis of Mitogen-Activated Protein Kinase-3 (MAPK3) and Its Regulation of the Promoter Region in Zebrafish. <i>DNA and Cell Biology</i> , 2007, 26, 781-790. | 0.9 | 14 |
| 93 | Stable expression in a Chinese hamster ovary (CHO) cell line of bioactive recombinant chelonianin, which plays an important role in protecting fish against pathogenic infection. <i>Developmental and Comparative Immunology</i> , 2009, 33, 117-126. | 1.0 | 14 |
| 94 | Development of Cre-loxP technology in zebrafish to study the regulation of fish reproduction. <i>Fish Physiology and Biochemistry</i> , 2013, 39, 1525-1539. | 0.9 | 14 |
| 95 | Tilapia Piscidin 4 (TP4) Reprograms M1 Macrophages to M2 Phenotypes in Cell Models of <i>Gardnerella vaginalis</i> -Induced Vaginosis. <i>Frontiers in Immunology</i> , 2021, 12, 773013. | 2.2 | 14 |
| 96 | Enhanced Control of Bladder-Associated Tumors Using Shrimp Anti-Lipopolysaccharide Factor (SALF) Antimicrobial Peptide as a Cancer Vaccine Adjuvant in Mice. <i>Marine Drugs</i> , 2015, 13, 3241-3258. | 2.2 | 13 |
| 97 | Antimicrobial Peptide Epinecidin-1 Modulates MyD88 Protein Levels via the Proteasome Degradation Pathway. <i>Marine Drugs</i> , 2017, 15, 362. | 2.2 | 13 |
| 98 | Use of tilapia piscidin 3 (TP3) to protect against MRSA infection in mice with skin injuries. <i>Oncotarget</i> , 2015, 6, 12955-12969. | 0.8 | 13 |
| 99 | Transgenic expression of tilapia piscidin 3 (TP3) in zebrafish confers resistance to <i>Streptococcus agalactiae</i> . <i>Fish and Shellfish Immunology</i> , 2018, 74, 235-241. | 1.6 | 12 |
| 100 | Distribution of positively charged amino acid residues in antimicrobial peptide epinecidin-1 is crucial for in vitro glioblastoma cytotoxicity and its underlying mechanisms. <i>Chemico-Biological Interactions</i> , 2020, 315, 108904. | 1.7 | 12 |
| 101 | Nile Tilapia Derived Antimicrobial Peptide TP4 Exerts Antineoplastic Activity Through Microtubule Disruption. <i>Marine Drugs</i> , 2018, 16, 462. | 2.2 | 11 |
| 102 | Transcriptome analysis of the effect of polyunsaturated fatty acids against <i>Vibrio vulnificus</i> infection in <i>Oreochromis niloticus</i> . <i>Fish and Shellfish Immunology</i> , 2017, 62, 153-163. | 1.6 | 10 |
| 103 | Calcium-Dependent Calpain Activation-Mediated Mitochondrial Dysfunction and Oxidative Stress Are Required for Cytotoxicity of Epinecidin-1 in Human Synovial Sarcoma SW982 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2109. | 1.8 | 10 |
| 104 | Organization and promoter analysis of a tiger shrimp <i>Penaeus monodon</i> single WAP domain-containing protein gene. <i>Fisheries Science</i> , 2006, 72, 1086-1095. | 0.7 | 9 |
| 105 | Pharmacological inhibition of p38 potentiates antimicrobial peptide TP4-induced cell death in glioblastoma cells. <i>Molecular and Cellular Biochemistry</i> , 2020, 464, 1-9. | 1.4 | 7 |
| 106 | Dual expression of transgenic delta-5 and delta-6 desaturase in tilapia alters gut microbiota and enhances resistance to <i>Vibrio vulnificus</i> infection. <i>PLoS ONE</i> , 2020, 15, e0236601. | 1.1 | 7 |
| 107 | Antimicrobial Peptide TP4 Targets Mitochondrial Adenine Nucleotide Translocator 2. <i>Marine Drugs</i> , 2020, 18, 417. | 2.2 | 7 |
| 108 | Marine Antimicrobial Peptide TP4 Exerts Anticancer Effects on Human Synovial Sarcoma Cells via Calcium Overload, Reactive Oxygen Species Production and Mitochondrial Hyperpolarization. <i>Marine Drugs</i> , 2021, 19, 93. | 2.2 | 7 |

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|-----|--|-----|-----------|
| 109 | Scale-up production of and dietary supplementation with the recombinant antimicrobial peptide tilapia piscidin 4 to improve growth performance in <i>Gallus gallus domesticus</i> . <i>PLoS ONE</i> , 2021, 16, e0253661. | 1.1 | 7 |
| 110 | Organization and promoter analysis of the zebrafish (<i>Danio rerio</i>) chemokine gene (CXC-64) promoter. <i>Fish Physiology and Biochemistry</i> , 2010, 36, 511-521. | 0.9 | 6 |
| 111 | Molecular cloning and functional analysis of the zebrafish follicle-stimulating hormone (FSH) β promoter. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 155, 155-163. | 0.7 | 6 |
| 112 | Oral administration of bovine lactoferrin inhibits bacterial infection in tilapia and elevates survival after bacterial infection: an examination of its immune-modulating properties. <i>Aquaculture International</i> , 2013, 21, 75-96. | 1.1 | 6 |
| 113 | Antimicrobial Peptides from Marine Organisms. , 2015, , 747-758. | | 6 |
| 114 | Epinecidin-1 Protects against Methicillin Resistant <i>Staphylococcus aureus</i> Infection and Sepsis in Pyemia Pigs. <i>Marine Drugs</i> , 2019, 17, 693. | 2.2 | 6 |
| 115 | Epinecidin-1: An orange-spotted grouper antimicrobial peptide that modulates <i>Staphylococcus aureus</i> lipoteichoic acid-induced inflammation in macrophage cells. <i>Fish and Shellfish Immunology</i> , 2020, 99, 362-367. | 1.6 | 6 |
| 116 | Cloning and Biological Analysis of the Zebrafish (<i>Danio rerio</i>) Insulin-Like Growth Factor Binding Protein-2 Proximal Promoter Region. <i>DNA and Cell Biology</i> , 2005, 24, 199-208. | 0.9 | 5 |
| 117 | Cloning and Expression Analysis of a Protein Kinase C Gene, PKC δ , and Its Regulation of the Promoter Region in Zebrafish. <i>DNA and Cell Biology</i> , 2007, 26, 415-424. | 0.9 | 5 |
| 118 | Molecular cloning and functional analysis of the zebrafish luteinizing hormone beta subunit (LH β) promoter. <i>Fish Physiology and Biochemistry</i> , 2010, 36, 1253-1262. | 0.9 | 5 |
| 119 | Recombinant <i>Epinephelus lanceolatus</i> serum amyloid A as a feed additive: Effects on immune gene expression and resistance to <i>Vibrio alginolyticus</i> infection in <i>Epinephelus lanceolatus</i> . <i>Fish and Shellfish Immunology</i> , 2018, 76, 233-239. | 1.6 | 4 |
| 120 | Dietary supplementation of recombinant tilapia piscidin 4-expressing yeast enhances growth and immune response in <i>Lates calcarifer</i> . <i>Aquaculture Reports</i> , 2020, 16, 100254. | 0.7 | 4 |
| 121 | Lack of Acute Toxicity and Mutagenicity from Recombinant <i>Epinephelus lanceolatus</i> Piscidin Expressed in <i>Pichia pastoris</i> . <i>Marine Drugs</i> , 2020, 18, 206. | 2.2 | 4 |
| 122 | A Cationic Amphipathic Tilapia Piscidin 4 Peptide-Based Antimicrobial Formulation Promotes Eradication of Bacterial Vaginosis-Associated Bacterial Biofilms. <i>Frontiers in Microbiology</i> , 2022, 13, 806654. | 1.5 | 4 |
| 123 | Expression characterization and promoter activity analysis of the tilapia (<i>Oreochromis niloticus</i>) myosin light chain 3 promoter in skeletal muscle of fish. <i>Transgenic Research</i> , 2014, 23, 125-134. | 1.3 | 3 |
| 124 | Investigations on the Wound Healing Potential of Tilapia Piscidin (TP)2-5 and TP2-6. <i>Marine Drugs</i> , 2022, 20, 205. | 2.2 | 3 |
| 125 | Recombinant expression of <i>Epinephelus lanceolatus</i> serum amyloid A (EISAA) and analysis of its macrophage modulatory activities. <i>Fish and Shellfish Immunology</i> , 2017, 64, 276-286. | 1.6 | 2 |
| 126 | Infectious Pancreatic Necrosis Virus RNA Cleavage In Vitro by Hammerhead Ribozymes and Enhancement of Ribozyme Catalysis by Oligonucleotide Facilitators. <i>Marine Biotechnology</i> , 2000, 2, 364-375. | 1.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Isolation and characterization of the zebrafish <i>Danio rerio</i> insulin-like growth factor binding protein-3 promoter region. <i>Fisheries Science</i> , 2008, 74, 153-166. | 0.7 | 0 |
| 128 | A Pilot Safety Assessment for Recombinant <i>Epinephelus lanceolatus</i> Piscidin Yeast Powder as a Drug Food Additive after Subacute and Subchronic Administration to SD Rats. <i>Marine Drugs</i> , 2020, 18, 586. | 2.2 | 0 |
| 129 | Comparative transcriptome analysis reveals ectopic delta-5 and delta-6 desaturases enhance protective gene expression upon <i>Vibrio vulnificus</i> challenge in <i>Tilapia</i> (<i>Oreochromis niloticus</i>). <i>BMC Genomics</i> , 2021, 22, 200. | 1.2 | 0 |
| 130 | Novel PD-L1 mAb HC16 reveals upregulation of PD-L1 in BAC subtype. <i>Histology and Histopathology</i> , 2021, 36, 77-89. | 0.5 | 0 |