

# Banikalyan Swain

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

595  
citations

567281

15  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular characterization of toll-like receptor 2 (TLR2), analysis of its inductive expression and associated down-stream signaling molecules following ligands exposure and bacterial infection in the Indian major carp, rohu ( <i>Labeo rohita</i> ). <i>Fish and Shellfish Immunology</i> , 2012, 32, 411-425.	3.6	79
2	Molecular cloning and characterization of nucleotide binding and oligomerization domain-1 (NOD1) receptor in the Indian Major Carp, rohu ( <i>Labeo rohita</i> ), and analysis of its inductive expression and down-stream signalling molecules following ligands exposure and Gram-negative bacterial infections. <i>Fish and Shellfish Immunology</i> , 2012, 32, 899-908.	3.6	60
3	Induction of toll-like receptor (TLR) 2, and MyD88-dependent TLR- signaling in response to ligand stimulation and bacterial infections in the Indian major carp, mrigal ( <i>Cirrhinus mrigala</i> ). <i>Molecular Biology Reports</i> , 2012, 39, 6015-6028.	2.3	55
4	Molecular cloning and characterization of toll-like receptor 3, and inductive expression analysis of type I IFN, Mx and pro-inflammatory cytokines in the Indian carp, rohu ( <i>Labeo rohita</i> ). <i>Molecular Biology Reports</i> , 2013, 40, 225-235.	2.3	46
5	NOD1 and NOD2 receptors in mrigal ( <i>Cirrhinus mrigala</i> ): Inductive expression and downstream signalling in ligand stimulation and bacterial infections. <i>Journal of Biosciences</i> , 2013, 38, 533-548.	1.1	46
6	Toll-Like Receptor 22 in <i>Labeo rohita</i> : Molecular Cloning, Characterization, 3D Modeling, and Expression Analysis Following Ligands Stimulation and Bacterial Infection. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 309-327.	2.9	43
7	Structural insights of rohu TLR3, its binding site analysis with fish reovirus dsRNA, poly I:C and zebrafish TRIF. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 531-543.	7.5	35
8	LRRsearch: An asynchronous server-based application for the prediction of leucine-rich repeat motifs and an integrative database of NOD-like receptors. <i>Computers in Biology and Medicine</i> , 2014, 53, 164-170.	7.0	34
9	Modulation of TLR2, TLR4, TLR5, NOD1 and NOD2 receptor gene expressions and their downstream signaling molecules following thermal stress in the Indian major carp catla ( <i>Catla catla</i> ). <i>3 Biotech</i> , 2015, 5, 1021-1030.	2.2	33
10	Characterization and Inductive Expression Analysis of Interferon Gamma-Related Gene in the Indian Major Carp, Rohu ( <i>Labeo rohita</i> ). <i>DNA and Cell Biology</i> , 2015, 34, 367-378.	1.9	29
11	Molecular cloning and characterization of LrTLR4, analysis of its inductive expression and associated down-stream signaling molecules following lipopolysaccharide stimulation and Gram-negative bacterial infection. <i>Fish and Shellfish Immunology</i> , 2017, 60, 164-176.	3.6	26
12	Immunoglobulin (Ig) D in <i>Labeo rohita</i> is widely expressed and differentially modulated in viral, bacterial and parasitic antigenic challenges. <i>Veterinary Immunology and Immunopathology</i> , 2016, 179, 77-84.	1.2	23
13	Elucidation of Novel Structural Scaffold in Rohu TLR2 and Its Binding Site Analysis with Peptidoglycan, Lipoteichoic Acid and Zymosan Ligands, and Downstream MyD88 Adaptor Protein. <i>BioMed Research International</i> , 2013, 2013, 1-15.	1.9	22
14	Activation of Nucleotide-Binding Oligomerization Domain 1 (NOD1) Receptor Signaling in <i>Labeo rohita</i> by iE-DAP and Identification of Ligand-Binding Key Motifs in NOD1 by Molecular Modeling and Docking. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1282-1309.	2.9	21
15	Identification of MDP (muramyl dipeptide)-binding key domains in NOD2 (nucleotide-binding and) Tj ETQq1 1 0.784314 rgBT /Overlook 1007-1023.	2.3	20
16	Pathogenicity and immunogenicity of <i>Edwardsiella piscicida</i> ferric uptake regulator (fur) mutations in zebrafish. <i>Fish and Shellfish Immunology</i> , 2020, 107, 497-510.	3.6	13
17	3D modeling and molecular dynamics simulation of an immune-regulatory cytokine, interleukin-10, from the Indian major carp, <i>Catla catla</i> . <i>Journal of Molecular Modeling</i> , 2012, 18, 1713-1722.	1.8	5
18	Virulence, immunogenicity and live vaccine potential of <i>aroA</i> and <i>phoP</i> mutants of <i>Edwardsiella piscicida</i> in zebrafish. <i>Microbial Pathogenesis</i> , 2022, 162, 105355.	2.9	4

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19	Construction and Evaluation of Recombinant Attenuated <i>Edwardsiella piscicida</i> Vaccine (RAEV) Vector System Encoding <i>Ichthyophthirius multifiliis</i> (Ich) Antigen IAG52B. <i>Frontiers in Immunology</i> , 2021, 12, 802760.	4.8	1