

Kunlaya Somboonwiwat

List of Publications by Year in descending order

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35
papers

1,404
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404762

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docs citations

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times ranked

1364
citing authors

#	ARTICLE	IF	CITATIONS
1	Shrimp humoral responses against pathogens: antimicrobial peptides and melanization. <i>Developmental and Comparative Immunology</i> , 2018, 80, 81-93.	2.3	249
2	Recombinant expression and anti-microbial activity of anti-lipoplysaccharide factor (ALF) from the black tiger shrimp. <i>Developmental and Comparative Immunology</i> , 2005, 29, 841-851.	2.3	184
3	Sequence diversity and evolution of antimicrobial peptides in invertebrates. <i>Developmental and Comparative Immunology</i> , 2015, 48, 324-341.	2.3	142
4	Role of anti-lipoplysaccharide factor from the black tiger shrimp, <i>Penaeus monodon</i> , in protection from white spot syndrome virus infection. <i>Journal of General Virology</i> , 2009, 90, 1491-1498.	2.9	104
5	Localization of anti-lipoplysaccharide factor (ALFPm3) in tissues of the black tiger shrimp, <i>Penaeus monodon</i> , and characterization of its binding properties. <i>Developmental and Comparative Immunology</i> , 2008, 32, 1170-1176.	2.3	92
6	Proteomic analysis of differentially expressed proteins in <i>Penaeus monodon</i> hemocytes after <i>Vibrio harveyi</i> infection. <i>Proteome Science</i> , 2010, 8, 39.	1.7	72
7	Differentially Expressed Genes in Hemocytes of <i>Vibrio harveyi</i> -challenged Shrimp <i>Penaeus monodon</i> . <i>BMB Reports</i> , 2006, 39, 26-36.	2.5	63
8	Anti-lipoplysaccharide factor isoform 3 from <i>Penaeus monodon</i> (ALFPm3) exhibits antiviral activity by interacting with WSSV structural proteins. <i>Antiviral Research</i> , 2014, 110, 142-150.	4.2	57
9	Shrimp miRNAs regulate innate immune response against white spot syndrome virus infection. <i>Developmental and Comparative Immunology</i> , 2016, 60, 191-201.	2.3	52
10	ICTV Virus Taxonomy Profile: Nimaviridae. <i>Journal of General Virology</i> , 2019, 100, 1053-1054.	2.9	44
11	Antiviral action of the antimicrobial peptide ALFPm3 from <i>Penaeus monodon</i> against white spot syndrome virus. <i>Developmental and Comparative Immunology</i> , 2017, 69, 23-32.	2.3	40
12	Differentially expressed genes in hemocytes of <i>Litopenaeus vannamei</i> challenged with <i>Vibrio parahaemolyticus</i> AHPND (VPAHPND) and VPAHPND toxin. <i>Fish and Shellfish Immunology</i> , 2018, 81, 284-296.	3.7	38
13	Host-derived circular RNAs display proviral activities in Hepatitis C virus-infected cells. <i>PLoS Pathogens</i> , 2020, 16, e1008346.	4.1	36
14	Hemocyanin of <i>Litopenaeus vannamei</i> agglutinates <i>Vibrio parahaemolyticus</i> AHPND (VPAHPND) and neutralizes its toxin. <i>Developmental and Comparative Immunology</i> , 2018, 84, 371-381.	2.3	29
15	White Spot Syndrome Virus-Induced Shrimp miR-315 Attenuates Prophenoloxidase Activation via PPAE3 Gene Suppression. <i>Frontiers in Immunology</i> , 2018, 9, 2184.	4.9	25
16	Regulation of antilipoplysaccharide factors, ALFPm3 and ALFPm6, in <i>Penaeus monodon</i> . <i>Scientific Reports</i> , 2017, 7, 12694.	3.4	24
17	Regulation of shrimp prophenoloxidase activating system by lva-miR-4850 during bacterial infection. <i>Scientific Reports</i> , 2021, 11, 3821.	3.4	22
18	MicroRNA and mRNA interactions coordinate the immune response in non-lethal heat stressed <i>Litopenaeus vannamei</i> against AHPND-causing <i>Vibrio parahaemolyticus</i> . <i>Scientific Reports</i> , 2020, 10, 787.	3.4	22

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19	Cytotoxicity of <i>Vibrio parahaemolyticus</i> AHPND toxin on shrimp hemocytes, a newly identified target tissue, involves binding of toxin to aminopeptidase N1 receptor. <i>PLoS Pathogens</i> , 2021, 17, e1009463.	4.1	21
20	PmVRP15, a Novel Viral Responsive Protein from the Black Tiger Shrimp, <i>Penaeus monodon</i> , Promoted White Spot Syndrome Virus Replication. <i>PLoS ONE</i> , 2014, 9, e91930.	2.5	19
21	A potential application of shrimp antilipopolysaccharide factor in disease control in aquaculture. <i>Aquaculture Research</i> , 2017, 48, 809-821.	1.8	15
22	WSV399, a viral tegument protein, interacts with the shrimp protein PmVRP15 to facilitate viral trafficking and assembly. <i>Developmental and Comparative Immunology</i> , 2016, 59, 177-185.	2.3	8
23	Transcriptome profiling reveals the novel immunometabolism-related genes against WSSV infection from <i>Fenneropenaeus merguensis</i> . <i>Fish and Shellfish Immunology</i> , 2022, 120, 31-44.	3.7	8
24	Shrimp Vago5 activates an innate immune defense upon bacterial infection. <i>Fish and Shellfish Immunology</i> , 2022, 120, 122-132.	3.7	8
25	Shrimp pmo-miR-750 regulates the expression of sarcoplasmic calcium-binding protein facilitating virus infection in <i>Penaeus monodon</i> . <i>Fish and Shellfish Immunology</i> , 2022, 129, 74-84.	3.7	8
26	Plasmolipin, PmPLP1, from <i>Penaeus monodon</i> is a potential receptor for yellow head virus infection. <i>Developmental and Comparative Immunology</i> , 2018, 88, 137-143.	2.3	5
27	The interferon-like proteins, Vagos, in <i>Fenneropenaeus merguensis</i> elicit antimicrobial responses against WSSV and VPAHPND infection. <i>Fish and Shellfish Immunology</i> , 2022, 131, 718-728.	3.7	5
28	PmKuSPI is regulated by pmo-miR-bantam and contributes to hemocyte homeostasis and viral propagation in shrimp. <i>Fish and Shellfish Immunology</i> , 2023, 137, 108738.	3.7	3
29	DnaJC16, the molecular chaperone, is implicated in hemocyte apoptosis and facilitates of WSSV infection in shrimp. <i>Fish and Shellfish Immunology</i> , 2023, 137, 108770.	3.7	3
30	Editorial: Aquatic Invertebrate Immunity Against Infectious Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 762082.	4.9	2
31	WSSV-responsive gene expression under the influence of PmVRP15 suppression. <i>Fish and Shellfish Immunology</i> , 2018, 72, 86-94.	3.7	1
32	Genome organization and definition of the <i>Penaeus monodon</i> viral responsive protein 15 (PmVRP15) promoter. <i>Fish and Shellfish Immunology</i> , 2019, 93, 997-1006.	3.7	1
33	Transcriptome-based insights into the regulatory role of immune-responsive circular RNAs in <i>Litopenaeus vannamei</i> upon WSSV infection. <i>Fish and Shellfish Immunology</i> , 2023, 132, 108499.	3.7	1
34	Peroxiredoxin-4 supplementation modulates the immune response, shapes the intestinal microbiome, and enhances AHPND resistance in <i>Penaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2023, 139, 108915.	3.7	1
35	Participation of shrimp pva-miR-166 in hemocyte homeostasis by modulating apoptosis-related gene <i>PvProsaposin</i> during white spot syndrome virus infection. <i>Journal of Virology</i> , 0, , .	3.5	0