

Chun-Ju An

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,027
citations

430874

18
h-index

501196

28
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30
all docs

30
docs citations

30
times ranked

1860
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA interference in Lepidoptera: An overview of successful and unsuccessful studies and implications for experimental design. <i>Journal of Insect Physiology</i> , 2011, 57, 231-245.	2.0	729
2	Fluorescent Nanoparticle Delivered dsRNA Toward Genetic Control of Insect Pests. <i>Advanced Materials</i> , 2013, 25, 4580-4584.	21.0	169
3	Functions of <i>Manduca sexta</i> Hemolymph Proteinases HP6 and HP8 in Two Innate Immune Pathways. <i>Journal of Biological Chemistry</i> , 2009, 284, 19716-19726.	3.4	149
4	Characterization of a regulatory unit that controls melanization and affects longevity of mosquitoes. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1929-1939.	5.4	110
5	Eicosanoid-mediated immunity in insects. <i>Developmental and Comparative Immunology</i> , 2018, 83, 130-143.	2.3	108
6	Proteolytic activation and function of the cytokine SpÄtzle in the innate immune response of a lepidopteran insect, <i>Manduca sexta</i> . <i>FEBS Journal</i> , 2010, 277, 148-162.	4.7	105
7	<i>Manduca sexta</i> serpin-5 regulates prophenoloxidase activation and the Toll signaling pathway by inhibiting hemolymph proteinase HP6. <i>Insect Biochemistry and Molecular Biology</i> , 2010, 40, 683-689.	2.7	82
8	A Venom Serpin Splicing Isoform of the Endoparasitoid Wasp <i>Pteromalus puparum</i> Suppresses Host Prophenoloxidase Cascade by Forming Complexes with Host Hemolymph Proteinases. <i>Journal of Biological Chemistry</i> , 2017, 292, 1038-1051.	3.4	66
9	Regulation of Sleep by Insulin-like Peptide System in <i>Drosophila melanogaster</i> . <i>Sleep</i> , 2015, 38, 1075-1083.	1.1	63
10	Identification of Immunity-Related Genes in <i>Ostrinia furnacalis</i> against Entomopathogenic Fungi by RNA-Seq Analysis. <i>PLoS ONE</i> , 2014, 9, e86436.	2.5	58
11	Serpin-1 splicing isoform J inhibits the proSpÄtzle-activating proteinase HP8 to regulate expression of antimicrobial hemolymph proteins in <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , 2011, 35, 135-141.	2.3	54
12	Serine Protease MP2 Activates Prophenoloxidase in the Melanization Immune Response of <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2013, 8, e79533.	2.5	50
13	Systemically interfering with immune response by a fluorescent cationic dendrimer delivered gene suppression. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4653-4659.	5.8	40
14	<i>Ostrinia furnacalis</i> serpin-3 regulates melanization cascade by inhibiting a prophenoloxidase-activating protease. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 61, 53-61.	2.7	36
15	CLIPB8 is part of the prophenoloxidase activation system in <i>Anopheles gambiae</i> mosquitoes. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 71, 106-115.	2.7	33
16	Serine proteases SP1 and SP13 mediate the melanization response of Asian corn borer, <i>Ostrinia furnacalis</i> , against entomopathogenic fungus <i>Beauveria bassiana</i> . <i>Journal of Invertebrate Pathology</i> , 2015, 128, 64-72.	3.2	27
17	Identification and Expression Profile Analysis of Antimicrobial Peptide/Protein in Asian Corn Borer, <i>Ostrinia furnacalis</i> (GuenÄ©e). <i>International Journal of Biological Sciences</i> , 2013, 9, 1004-1012.	6.4	23
18	Serine protease SP105 activates prophenoloxidase in Asian corn borer melanization, and is regulated by serpin-3. <i>Scientific Reports</i> , 2017, 7, 45256.	3.3	20

#	ARTICLE	IF	CITATIONS
19	Biochemical Characterization of <i>Anopheles gambiae</i> SRPN6, a Malaria Parasite Invasion Marker in Mosquitoes. PLoS ONE, 2012, 7, e48689.	2.5	19
20	Identification and Characterization of C-type Lectins in <i>Ostrinia furnacalis</i> (Lepidoptera: Pyralidae). Journal of Insect Science, 2018, 18, .	1.5	16
21	De Novo Transcriptome Analysis of Wing Development-Related Signaling Pathways in <i>Locusta migratoria Manilensis</i> and <i>Ostrinia furnacalis</i> (GuenÃ©e). PLoS ONE, 2014, 9, e106770.	2.5	15
22	Crystal structure of native <i>Anopheles gambiae</i> serpinâ€², a negative regulator of melanization in mosquitoes. Proteins: Structure, Function and Bioinformatics, 2011, 79, 1999-2003.	2.6	11
23	THE INTEGRATIVE EFFECTS OF POPULATION DENSITY, PHOTOPERIOD, TEMPERATURE, AND HOST PLANT ON THE INDUCTION OF ALATE APHIDS IN <i>CHIZAPHIS GRAMINUM</i> . Archives of Insect Biochemistry and Physiology, 2012, 79, 198-206.	1.5	10
24	Structural and Inhibitory Effects of Hinge Loop Mutagenesis in Serpin-2 from the Malaria Vector <i>Anopheles gambiae</i> . Journal of Biological Chemistry, 2015, 290, 2946-2956.	3.4	7
25	Cloning, Expression, and Characterization of Prophenoloxidases from Asian Corn Borer, <i>Ostrinia furnacalis</i> (GunÃ©e). Journal of Immunology Research, 2016, 2016, 1-13.	2.2	6
26	PLA 2 mediates the innate immune response in Asian corn borer, <i>Ostrinia furnacalis</i> . Insect Science, 2021, , .	3.0	6
27	Cellular immune response of the Asian corn borer, <i>Ostrinia furnacalis</i> (Lepidoptera: Pyralidae), to infection by the entomopathogenic fungus, <i>Beauveria bassiana</i> . European Journal of Entomology, 0, 113, 415-422.	1.2	5
28	A Short-Type Peptidoglycan Recognition Protein 1 (PGRP1) Is Involved in the Immune Response in Asian Corn Borer, <i>Ostrinia furnacalis</i> (GuenÃ©e). International Journal of Molecular Sciences, 2021, 22, 8198.	4.1	4
29	Serine protease SP7 cleaves prophenoloxidase and is regulated by two serpins in <i>Ostrinia furnacalis</i> melanization. Insect Biochemistry and Molecular Biology, 2022, 141, 103699.	2.7	4
30	Serpinâ€²4 Facilitates Baculovirus Infection by Inhibiting Melanization in Asian Corn Borer, <i>Ostrinia furnacalis</i> (GuenÃ©e). Frontiers in Immunology, 0, 13, .	4.8	2