

Omprakash Mittapalli

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,082
citations

279798

23
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

2834
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequences of the human body louse and its primary endosymbiont provide insights into the permanent parasitic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12168-12173.	7.1	482
2	Unique features of a global human ectoparasite identified through sequencing of the bed bug genome. Nature Communications, 2016, 7, 10165.	12.8	184
3	RNA-Seq and molecular docking reveal multi-level pesticide resistance in the bed bug. BMC Genomics, 2012, 13, 6.	2.8	126
4	Transcriptomics of the Bed Bug (<i>Cimex lectularius</i>). PLoS ONE, 2011, 6, e16336.	2.5	120
5	Antioxidant defense response in a galling insect. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1889-1894.	7.1	116
6	Tissue-Specific Transcriptomics of the Exotic Invasive Insect Pest Emerald Ash Borer (<i>Agrilus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	2.5	87
7	Combining Next-Generation Sequencing Strategies for Rapid Molecular Resource Development from an Invasive Aphid Species, <i>Aphis glycines</i> . PLoS ONE, 2010, 5, e11370.	2.5	77
8	RNA-Seq reveals a xenobiotic stress response in the soybean aphid, <i>Aphis glycines</i> , when fed aphid-resistant soybean. BMC Genomics, 2014, 15, 972.	2.8	75
9	Gene-for-Gene Defense of Wheat Against the Hessian Fly Lacks a Classical Oxidative Burst. Molecular Plant-Microbe Interactions, 2006, 19, 1023-1033.	2.6	61
10	Transcriptome analysis of the salivary glands of potato leafhopper, <i>Empoasca fabae</i> . Journal of Insect Physiology, 2012, 58, 1626-1634.	2.0	60
11	Identification of Odor-Processing Genes in the Emerald Ash Borer, <i>Agrilus planipennis</i> . PLoS ONE, 2013, 8, e56555.	2.5	60
12	Identification and Validation of Reference Genes for Quantitative Real-Time Polymerase Chain Reaction in <i>Cimex lectularius</i> . Journal of Medical Entomology, 2011, 48, 947-951.	1.8	57
13	Transcriptomic Signatures of Ash (<i>Fraxinus</i> spp.) Phloem. PLoS ONE, 2011, 6, e16368.	2.5	54
14	Validation of Reference Genes for Gene Expression Studies in <i>Aphis glycines</i> (Hemiptera: Aphididae). Journal of Economic Entomology, 2012, 105, 1432-1438.	1.8	54
15	Characterization of a Chitin Synthase Encoding Gene and Effect of Diflubenzuron in Soybean Aphid, <i>Aphis Glycines</i> . International Journal of Biological Sciences, 2012, 8, 1323-1334.	6.4	46
16	Validation of reference genes for gene expression studies in the emerald ash borer (<i>Agrilus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	3.0	44
17	Metabolic Resistance in Bed Bugs. Insects, 2011, 2, 36-48.	2.2	43
18	Core RNAi machinery and gene knockdown in the emerald ash borer (<i>Agrilus planipennis</i>). Journal of Insect Physiology, 2015, 72, 70-78.	2.0	40

#	ARTICLE	IF	CITATIONS
19	Tissue and Life Stage Specificity of Glutathione S-Transferase Expression in the Hessian Fly, <i>Mayetiola destructor</i> : Implications for Resistance to Host Allelochemicals. <i>Journal of Insect Science</i> , 2007, 7, 1-13.	1.5	34
20	Molecular characterization and expression analysis of soluble trehalase gene in <i>Aphis glycines</i> , a migratory pest of soybean. <i>Bulletin of Entomological Research</i> , 2013, 103, 286-295.	1.0	33
21	The gut transcriptome of a gall midge, <i>Mayetiola destructor</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 1198-1206.	2.0	26
22	Characterization of a serine carboxypeptidase in the salivary glands and fat body of the orange wheat blossom midge, <i>Sitodiplosis mosellana</i> (Diptera: Cecidomyiidae). <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 154-160.	2.7	25
23	Differential expression of two cytochrome P450 genes in compatible and incompatible Hessian fly/wheat interactions. <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 981-989.	2.7	23
24	Characterization and expression analysis of a gene encoding a secreted lipase-like protein expressed in the salivary glands of the larval Hessian fly, <i>Mayetiola destructor</i> (Say). <i>Journal of Insect Physiology</i> , 2009, 55, 105-112.	2.0	23
25	Evaluation of Reference Genes for Expression Studies in Ash (<i>Fraxinus</i> spp.). <i>Plant Molecular Biology Reporter</i> , 2012, 30, 242-245.	1.8	22
26	Expression patterns of antibacterial genes in the Hessian fly. <i>Journal of Insect Physiology</i> , 2006, 52, 1143-1152.	2.0	21
27	Antioxidant genes of the emerald ash borer (<i>Agrilus planipennis</i>): Gene characterization and expression profiles. <i>Journal of Insect Physiology</i> , 2011, 57, 819-824.	2.0	21
28	cDNA cloning and transcriptional expression of a peritrophin-like gene in the Hessian fly, <i>Mayetiola destructor</i> [Say]. <i>Archives of Insect Biochemistry and Physiology</i> , 2007, 64, 19-29.	1.5	16
29	Molecular characterization of genes encoding inward rectifier potassium (Kir) channels in the bed bug (<i>Cimex lectularius</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013, 164, 275-279.	1.6	16
30	Molecular characterization and responsive expression of a defender against apoptotic cell death homologue from the Hessian fly, <i>Mayetiola destructor</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 149, 517-523.	1.6	9
31	Transcriptome Analysis of the Emerald Ash Borer (EAB), <i>Agrilus planipennis</i> : De Novo Assembly, Functional Annotation and Comparative Analysis. <i>PLoS ONE</i> , 2015, 10, e0134824.	2.5	9
32	Glutathione-S-transferase profiles in the emerald ash borer, <i>Agrilus planipennis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013, 165, 66-72.	1.6	6
33	Dietary antioxidants impact DDT resistance in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2020, 15, e0237986.	2.5	6
34	Analysis of Gene Expression in Emerald Ash Borer (<i>Agrilus planipennis</i>) Using Quantitative Real Time-PCR. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	3
35	Dietary antioxidant vitamin C influences the evolutionary path of insecticide resistance in <i>Drosophila melanogaster</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020, 168, 104631.	3.6	3
36	Gene characterization of two digestive serine proteases in <i>Sitodiplosis mosellana</i> : implications for alternative control strategies. <i>Canadian Entomologist</i> , 2010, 142, 532-545.	0.8	0

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37	mRNA profiles of piRNA pathway genes in emerald ash borer <i>Agrilus planipennis</i>. Insect Science, 2012, 19, 455-460.	3.0	0