

Omprakash Mittapalli

List of Publications by Year in descending order

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37
papers

2,082
citations

279798

23
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361022

35
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37
all docs

37
docs citations

37
times ranked

2834
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary antioxidants impact DDT resistance in <i>Drosophila melanogaster</i> . PLoS ONE, 2020, 15, e0237986.	2.5	6
2	Dietary antioxidant vitamin C influences the evolutionary path of insecticide resistance in <i>Drosophila melanogaster</i> . Pesticide Biochemistry and Physiology, 2020, 168, 104631.	3.6	3
3	Unique features of a global human ectoparasite identified through sequencing of the bed bug genome. Nature Communications, 2016, 7, 10165.	12.8	184
4	Transcriptome Analysis of the Emerald Ash Borer (EAB), <i>Agrilus planipennis</i> : De Novo Assembly, Functional Annotation and Comparative Analysis. PLoS ONE, 2015, 10, e0134824.	2.5	9
5	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
6	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
7	Molecular characterization of genes encoding inward rectifier potassium (Kir) channels in the bed bug (<i>Cimex lectularius</i>). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 164, 275-279.	1.6	16
8	Glutathione-S-transferase profiles in the emerald ash borer, <i>Agrilus planipennis</i> . Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 165, 66-72.	1.6	6
9	Molecular characterization and expression analysis of soluble trehalase gene in <i>Aphis glycines</i> , a migratory pest of soybean. Bulletin of Entomological Research, 2013, 103, 286-295.	1.0	33
10	Identification of Odor-Processing Genes in the Emerald Ash Borer, <i>Agrilus planipennis</i> . PLoS ONE, 2013, 8, e56555.	2.5	60
11	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
12	RNA-Seq and molecular docking reveal multi-level pesticide resistance in the bed bug. BMC Genomics, 2012, 13, 6.	2.8	126
13	Transcriptome analysis of the salivary glands of potato leafhopper, <i>Empoasca fabae</i> . Journal of Insect Physiology, 2012, 58, 1626-1634.	2.0	60
14	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
15	Validation of reference genes for gene expression studies in the emerald ash borer (<i>Agrilus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 3.0 44	3.0	44
16	mRNA profiles of piRNA pathway genes in emerald ash borer <i>Agrilus planipennis</i> . Insect Science, 2012, 19, 455-460.	3.0	0
17	Evaluation of Reference Genes for Expression Studies in Ash (<i>Fraxinus</i> spp.). Plant Molecular Biology Reporter, 2012, 30, 242-245.	1.8	22
18	Transcriptomics of the Bed Bug (<i>Cimex lectularius</i>). PLoS ONE, 2011, 6, e16336.	2.5	120

#	ARTICLE	IF	CITATIONS
19	Metabolic Resistance in Bed Bugs. <i>Insects</i> , 2011, 2, 36-48.	2.2	43
20	Transcriptomic Signatures of Ash (<i>Fraxinus</i> spp.) Phloem. <i>PLoS ONE</i> , 2011, 6, e16368.	2.5	54
21	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
22	Identification and Validation of Reference Genes for Quantitative Real-Time Polymerase Chain Reaction in <i>Cimex lectularius</i> . <i>Journal of Medical Entomology</i> , 2011, 48, 947-951.	1.8	57
23	The gut transcriptome of a gall midge, <i>Mayetiola destructor</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 1198-1206.	2.0	26
24	Combining Next-Generation Sequencing Strategies for Rapid Molecular Resource Development from an Invasive Aphid Species, <i>Aphis glycines</i> . <i>PLoS ONE</i> , 2010, 5, e11370.	2.5	77
25	Tissue-Specific Transcriptomics of the Exotic Invasive Insect Pest Emerald Ash Borer (<i>Agrilus</i>) Tj ETQq1 1 0.784314 ^{pgBT /Overlock 10} _{2.5 87}	2.5	87
26	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
27	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
28	Genome sequences of the human body louse and its primary endosymbiont provide insights into the permanent parasitic lifestyle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12168-12173.	7.1	482
29	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
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	Antioxidant defense response in a galling insect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1889-1894.	7.1	116
32	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
33	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
34	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
35	Gene-for-Gene Defense of Wheat Against the Hessian Fly Lacks a Classical Oxidative Burst. <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 1023-1033.	2.6	61
36	Expression patterns of antibacterial genes in the Hessian fly. <i>Journal of Insect Physiology</i> , 2006, 52, 1143-1152.	2.0	21

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37	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