

Amit Roy

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

857
citations

471509

17
h-index

552781

26
g-index

47
all docs

47
docs citations

47
times ranked

719
citing authors

#	ARTICLE	IF	CITATIONS
1	Diet dependent metabolic responses in three generalist insect herbivores Spodoptera spp. Insect Biochemistry and Molecular Biology, 2016, 71, 91-105.	2.7	81
2	Transcriptome Analysis of Gene Families Involved in Chemosensory Function in Spodoptera littoralis (Lepidoptera: Noctuidae). BMC Genomics, 2019, 20, 428.	2.8	69
3	Cap 'n' collar C regulates genes responsible for imidacloprid resistance in the Colorado potato beetle, Leptinotarsa decemlineata. Insect Biochemistry and Molecular Biology, 2018, 99, 54-62.	2.7	67
4	How to Cope with the Challenges of Environmental Stresses in the Era of Global Climate Change: An Update on ROS Scavenging in Plants. International Journal of Molecular Sciences, 2022, 23, 1995.	4.1	50
5	Epigenetic modifications acetylation and deacetylation play important roles in juvenile hormone action. BMC Genomics, 2018, 19, 934.	2.8	40
6	Functional Alteration of a Dimeric Insecticidal Lectin to a Monomeric Antifungal Protein Correlated to Its Oligomeric Status. PLoS ONE, 2011, 6, e18593.	2.5	39
7	Core Mycobiome and Their Ecological Relevance in the Gut of Five Ips Bark Beetles (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 34	3.5	34
8	Multiple functions of CREB-binding protein during postembryonic development: identification of target genes. BMC Genomics, 2017, 18, 996.	2.8	33
9	Unravelling the gut bacteriome of Ips (Coleoptera: Curculionidae: Scolytinae): identifying core bacterial assemblage and their ecological relevance. Scientific Reports, 2020, 10, 18572.	3.3	31
10	Enhanced metabolism and target gene overexpression confer resistance against acetolactate synthase-inhibiting herbicides in Bromus sterilis. Pest Management Science, 2021, 77, 2122-2128.	3.4	30
11	Plant Responses to Biotic Stress: Old Memories Matter. Plants, 2022, 11, 84.	3.5	30
12	Pesticide resistance in arthropods: Ecology matters too. Ecology Letters, 2022, 25, 1746-1759.	6.4	29
13	Binding of insecticidal lectin C-olocasia esculenta tuber agglutinin (CEA) to midgut receptors of Bemisia tabaci and Liriomyza setula provides clues to its insecticidal potential. Proteomics, 2014, 14, 1646-1659.	2.2	28
14	Deciphering the mode of action of a mutant Allium sativum Leaf Agglutinin (mASAL), a potent antifungal protein on Rhizoctonia solani. BMC Microbiology, 2015, 15, 237.	3.3	23
15	Development of selectable marker free, insect resistant, transgenic mustard (Brassica juncea) plants using Cre/lox-mediated recombination. BMC Biotechnology, 2013, 13, 88.	3.3	22
16	RNA Interference-Based Forest Protection Products (FPPs) Against Wood-Boring Coleopterans: Hope or Hype?. Frontiers in Plant Science, 2021, 12, 733608.	3.6	21
17	CREB-binding protein plays key roles in juvenile hormone action in the red flour beetle, Tribolium Castaneum. Scientific Reports, 2018, 8, 1426.	3.3	20
18	Fight Hard or Die Trying: Current Status of Lipid Signaling during Plant-Pathogen Interaction. Plants, 2021, 10, 1098.	3.5	19

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19	Allergenicity Assessment of <i>Allium sativum</i> Leaf Agglutinin, a Potential Candidate Protein for Developing Sap Sucking Insect Resistant Food Crops. <i>PLoS ONE</i> , 2011, 6, e27716.	2.5	19
20	Characterization of a Highly Potent Insecticidal Lectin from <i>Colocasia esculenta</i> Tuber and Cloning of Its Coding Sequence. <i>American Journal of Plant Sciences</i> , 2013, 04, 408-416.	0.8	18
21	A highly-contiguous genome assembly of the Eurasian spruce bark beetle, <i>Ips typographus</i> , provides insight into a major forest pest. <i>Communications Biology</i> , 2021, 4, 1059.	4.4	17
22	Metabolomics and transcriptomics of pheromone biosynthesis in an aggressive forest pest <i>Ips typographus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2022, 140, 103680.	2.7	17
23	A Comprehensive Analysis of Calmodulin-Like Proteins of <i>Glycine max</i> Indicates Their Role in Calcium Signaling and Plant Defense Against Insect Attack. <i>Frontiers in Plant Science</i> , 2022, 13, 817950.	3.6	16
24	Insight to the Mode of Action of <i>Allium sativum</i> Leaf Agglutinin (ASAL) Expressing in T ₃ Rice Lines on Brown Planthopper. <i>American Journal of Plant Sciences</i> , 2013, 04, 400-407.	0.8	14
25	Biological Safety Assessment of Mutant Variant of <i>Allium sativum</i> Leaf Agglutinin (mASAL), a Novel Antifungal Protein for Future Transgenic Application. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 11858-11864.	5.2	12
26	Reference Gene Selection for Normalizing Gene Expression in <i>Ips Sexdentatus</i> (Coleoptera): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 752768.	2.8	11
27	Molecular Rationale of Insect-Microbes Symbiosisâ€”From Insect Behaviour to Mechanism. <i>Microorganisms</i> , 2021, 9, 2422.	3.6	11
28	Molecular Mechanism Underlying the Entomotoxic Effect of <i>Colocasia esculenta</i> Tuber Agglutinin against <i>Dysdercus cingulatus</i> . <i>Insects</i> , 2015, 6, 827-846.	2.2	9
29	Exploring the Insecticidal Potentiality of <i>Amorphophallus paeonifolius</i> Tuber Agglutinin in Hemipteran Pest Management. <i>American Journal of Plant Sciences</i> , 2012, 03, 780-790.	0.8	9
30	Microbial Influence on Plantâ€”Insect Interaction. , 2021, , 337-363.		8
31	Identification of the most suitable reference gene for gene expression studies with development and abiotic stress response in <i>Bromus sterilis</i> . <i>Scientific Reports</i> , 2021, 11, 13393.	3.3	6
32	Identifying optimal reference genes for gene expression studies in Eurasian spruce bark beetle, <i>Ips typographus</i> (Coleoptera: Curculionidae: Scolytinae). <i>Scientific Reports</i> , 2022, 12, 4671.	3.3	6
33	Plant Volatiles and Their Role in Insect Olfaction. , 2021, , 127-156.		5
34	Plant Cell Wall: A Simple Physical Barrier or a Complex Defense Modulator â€” Exploring Its Dynamic Role at Plant-Fungus Interface. , 2018, , 333-351.		2
35	RNA Interference-Based Forest Protection Products (FPPs) Against Wood-Boring Coleopterans: Hope or Hype?. <i>Frontiers in Plant Science</i> , 2021, 12, 733608.	3.6	2
36	Data set for diet specific differential gene expression analysis in three <i>Spodoptera</i> moths. <i>Data in Brief</i> , 2016, 8, 448-455.	1.0	1

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37	Deciphering the Role of Phytoanticipins, Phytoalexins, and Polyphenols in Plant-Insect Defense. , 2021, , 305-335.		1
38	Inhibition of Bemisia tabaci vectored, GroEL mediated transmission of tomato leaf curl New Delhi virus by garlic leaf lectin (Allium sativum leaf agglutinin). Virus Research, 2021, 300, 198443.	2.2	1
39	Metabolome and transcriptome related dataset for pheromone biosynthesis in an aggressive forest pest Ips typographus. Data in Brief, 2022, 41, 107912.	1.0	1
40	Impact of Rhabdocline pseudotsugae and Phaeocryptopus gaeumannii on the Selection of Suitable Provenances of Douglas Fir in Central Europe. Forests, 2019, 10, 204.	2.1	0
41	Natural Insecticidal Proteins and Their Potential in Future IPM. , 2021, , 265-303.		0
42	Queen Harems of Higher Termites are Regulated by Queen Pheromone. SSRN Electronic Journal, 0, , .	0.4	0