

# Purushottam R Lomate

## List of Publications by Citations

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22  
papers

300  
citations

11  
h-index

16  
g-index

22  
ext. papers

378  
ext. citations

3.7  
avg, IF

3.54  
L-index

#	Paper	IF	Citations
22	Molecular insights into resistance mechanisms of lepidopteran insect pests against toxicants. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 4727-37	5.6	53
21	Distinct properties of proteases and nucleases in the gut, salivary gland and saliva of southern green stink bug, <i>Nezara viridula</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 27587	4.9	40
20	Differential responses of midgut soluble aminopeptidases of <i>Helicoverpa armigera</i> to feeding on various host and non-host plant diets. <i>Arthropod-Plant Interactions</i> , <b>2011</b> , 5, 359-368	2.2	20
19	Ecological turmoil in evolutionary dynamics of plant-insect interactions: defense to offence. <i>Planta</i> , <b>2015</b> , 242, 761-71	4.7	19
18	Identification and expression profiling of <i>Helicoverpa armigera</i> microRNAs and their possible role in the regulation of digestive protease genes. <i>Insect Biochemistry and Molecular Biology</i> , <b>2014</b> , 54, 129-37	4.5	19
17	Characterization of a chemostable serine alkaline protease from <i>Periplaneta americana</i> . <i>BMC Biochemistry</i> , <b>2013</b> , 14, 32	4.8	18
16	Partial purification and characterization of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) active aminopeptidase secreted in midgut. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2010</b> , 155, 164-70	2.3	16
15	Wound and methyl jasmonate induced pigeon pea defensive proteinase inhibitor has potency to inhibit insect digestive proteinases. <i>Plant Physiology and Biochemistry</i> , <b>2012</b> , 57, 193-9	5.4	14
14	Tissue-specific transcription of proteases and nucleases across the accessory salivary gland, principal salivary gland and gut of <i>Nezara viridula</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2018</b> , 103, 36-45	4.5	12
13	Proteases and nucleases involved in the biphasic digestion process of the brown marmorated stink bug, <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). <i>Archives of Insect Biochemistry and Physiology</i> , <b>2018</b> , 98, e21459	2.3	11
12	Compensatory proteolytic responses to dietary proteinase inhibitors from <i>Albizia lebbek</i> seeds in the <i>Helicoverpa armigera</i> larvae. <i>Arthropod-Plant Interactions</i> , <b>2013</b> , 7, 259-266	2.2	11
11	Induction of leucine aminopeptidase (LAP) like activity with wounding and methyl jasmonate in pigeonpea ( <i>Cajanus cajan</i> ) suggests the role of these enzymes in plant defense in leguminosae. <i>Plant Physiology and Biochemistry</i> , <b>2011</b> , 49, 609-16	5.4	11
10	Alterations in the <i>Helicoverpa armigera</i> midgut digestive physiology after ingestion of pigeon pea inducible leucine aminopeptidase. <i>PLoS ONE</i> , <b>2013</b> , 8, e74889	3.7	10
9	Effect of <i>Bacillus thuringiensis</i> (Bt) Cry1Ac toxin and protease inhibitor on growth and development of <i>Helicoverpa armigera</i> (Hßner). <i>Pesticide Biochemistry and Physiology</i> , <b>2013</b> , 105, 77-83	4.9	9
8	<i>Periplaneta americana</i> midgut proteases differentially expressed against dietary components from different plant seeds. <i>Physiological Entomology</i> , <b>2011</b> , 36, 180-186	1.9	9
7	Changes and induction of aminopeptidase activities in response to pathogen infection during germination of pigeonpea ( <i>Cajanus cajan</i> ) seeds. <i>Journal of Plant Physiology</i> , <b>2011</b> , 168, 1735-42	3.6	8
6	Integrated Transcriptomic and Proteomic Analyses Suggest the Participation of Endogenous Protease Inhibitors in the Regulation of Protease Gene Expression in. <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 1324-1336	7.6	7

5	A proteinaceous thermo labile α-amylase inhibitor from Albizia lebbeck with inhibitory potential toward insect amylases. <i>Arthropod-Plant Interactions</i> , <b>2012</b> , 6, 213-220	2.2	5
4	Structural features of diverse Pin-II proteinase inhibitor genes from Capsicum annum. <i>Planta</i> , <b>2015</b> , 241, 319-31	4.7	4
3	Characterization and Applicability of Digestive Proteinases from Hepatopancreas of Barytelphusa cunicularis. <i>Food Biotechnology</i> , <b>2011</b> , 25, 1-15	2.2	2
2	Superoxide dismutase activities in the midgut of Helicoverpa armigera larvae: identification and biochemical properties of a manganese superoxide dismutase. <i>Open Access Insect Physiology</i> , <b>2015</b> , 13		1
1	Angiotensin-Converting Enzyme Inhibitory Potential of Harmaline Isolated from Peganum Harmala L. Seeds. <i>Journal of Herbs, Spices and Medicinal Plants</i> , <b>2013</b> , 19, 48-53	0.9	1