Purushottam R Lomate

List of Publications by Year in Descending Order

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	Integrated Transcriptomic and Proteomic Analyses Suggest the Participation of Endogenous Protease Inhibitors in the Regulation of Protease Gene Expression in. *Molecular and Cellular Proteomics*, **2018**, 17, 1324-1336	7.6	7
21	Proteases and nucleases involved in the biphasic digestion process of the brown marmorated stink bug, Halyomorpha halys (Hemiptera: Pentatomidae). *Archives of Insect Biochemistry and Physiology*, **2018**, 98, e21459	2.3	11
20	Tissue-specific transcription of proteases and nucleases across the accessory salivary gland, principal salivary gland and gut of Nezara viridula. *Insect Biochemistry and Molecular Biology*, **2018**, 103, 36-45	4.5	12
19	Distinct properties of proteases and nucleases in the gut, salivary gland and saliva of southern green stink bug, Nezara viridula. *Scientific Reports*, **2016**, 6, 27587	4.9	40
18	Ecological turmoil in evolutionary dynamics of plant-insect interactions: defense to offence. *Planta*, **2015**, 242, 761-71	4.7	19
17	Structural features of diverse Pin-II proteinase inhibitor genes from Capsicum annuum. *Planta*, **2015**, 241, 319-31	4.7	4
16	Superoxide dismutase activities in the midgut of Helicoverpa armigera larvae: identification and biochemical properties of a manganese superoxide dismutase. *Open Access Insect Physiology*, **2015**, 13		1
15	Identification and expression profiling of Helicoverpa armigera microRNAs and their possible role in the regulation of digestive protease genes. *Insect Biochemistry and Molecular Biology*, **2014**, 54, 129-37	4.5	19
14	Compensatory proteolytic responses to dietary proteinase inhibitors from Albizia lebbeck seeds in the Helicoverpa armigera larvae. *Arthropod-Plant Interactions*, **2013**, 7, 259-266	2.2	11
13	Molecular insights into resistance mechanisms of lepidopteran insect pests against toxicants. *Journal of Proteome Research*, **2013**, 12, 4727-37	5.6	53
12	Effect of Bacillus thuringiensis (Bt) Cry1Ac toxin and protease inhibitor on growth and development of Helicoverpa armigera (H□bner). *Pesticide Biochemistry and Physiology*, **2013**, 105, 77-83	4.9	9
11	Characterization of a chemostable serine alkaline protease from Periplaneta americana. *BMC Biochemistry*, **2013**, 14, 32	4.8	18
10	Angiotensin-Converting Enzyme Inhibitory Potential of Harmaline Isolated from Peganum Harmala L. Seeds. *Journal of Herbs, Spices and Medicinal Plants*, **2013**, 19, 48-53	0.9	1
9	Alterations in the Helicoverpa armigera midgut digestive physiology after ingestion of pigeon pea inducible leucine aminopeptidase. *PLoS ONE*, **2013**, 8, e74889	3.7	10
8	Wound and methyl jasmonate induced pigeon pea defensive proteinase inhibitor has potency to inhibit insect digestive proteinases. *Plant Physiology and Biochemistry*, **2012**, 57, 193-9	5.4	14
7	A proteinaceous thermo labile □amylase inhibitor from Albizia lebbeck with inhibitory potential toward insect amylases. *Arthropod-Plant Interactions*, **2012**, 6, 213-220	2.2	5
6	Changes and induction of aminopeptidase activities in response to pathogen infection during germination of pigeonpea (Cajanas cajan) seeds. *Journal of Plant Physiology*, **2011**, 168, 1735-42	3.6	8

5	Induction of leucine aminopeptidase (LAP) like activity with wounding and methyl jasmonate in pigeonpea (Cajanas cajan) suggests the role of these enzymes in plant defense in leguminosae. *Plant Physiology and Biochemistry*, **2011**, 49, 609-16	5.4	11
4	Differential responses of midgut soluble aminopeptidases of Helicoverpa armigera to feeding on various host and non-host plant diets. *Arthropod-Plant Interactions*, **2011**, 5, 359-368	2.2	20
3	Periplaneta americana midgut proteases differentially expressed against dietary components from different plant seeds. *Physiological Entomology*, **2011**, 36, 180-186	1.9	9
2	Characterization and Applicability of Digestive Proteinases from Hepatopancreas of Barytelphusa cunicularis. *Food Biotechnology*, **2011**, 25, 1-15	2.2	2
1	Partial purification and characterization of Helicoverpa armigera (Lepidoptera: Noctuidae) active aminopeptidase secreted in midgut. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2010**, 155, 164-70	2.3	16