Purushottam R Lomate

List of Publications by Year
in descending order

22	420	758635 12	752256 20
papers	citations	h-index	g-index

22	22	22	533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Insights into Resistance Mechanisms of Lepidopteran Insect Pests against Toxicants. Journal of Proteome Research, 2013, 12, 4727-4737.	1.8	75
2	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.	1.6	64
3	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, 129-137.	1.2	30
4	Characterization of a chemostable serine alkaline protease from Periplaneta americana. BMC Biochemistry, 2013, 14, 32.	4.4	25
5	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.	1.2	25
6	Ecological turmoil in evolutionary dynamics of plantâ€“insect interactions: defense to offence. Planta, 2015, 242, 761-771.	1.6	24
7	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.	0.5	22
8	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.	0.6	19
9	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, 164-170.	0.7	18
10	Compensatory proteolytic responses to dietary proteinase inhibitors from Albizia lebbeck seeds in the Helicoverpa armigera larvae. Arthropod-Plant Interactions, 2013, 7, 259-266.	0.5	16
11	Wound and methyl jasmonate induced pigeon pea defensive proteinase inhibitor has potency to inhibit insect digestive proteinases. Plant Physiology and Biochemistry, 2012, 57, 193-199.	2.8	15
12	Integrated Transcriptomic and Proteomic Analyses Suggest the Participation of Endogenous Protease Inhibitors in the Regulation of Protease Gene Expression in Helicoverpa armigera. Molecular and Cellular Proteomics, 2018, 17, 1324-1336.	2.5	14
13	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, 609-616.	2.8	12
14	Effect of Bacillus thuringiensis (Bt) Cry1Ac toxin and protease inhibitor on growth and development of Helicoverpa armigera (HÃ¼bner). Pesticide Biochemistry and Physiology, 2013, 105, 77-83.	1.6	12
15	Alterations in the Helicoverpa armigera Midgut Digestive Physiology after Ingestion of Pigeon Pea Inducible Leucine Aminopeptidase. PLoS ONE, 2013, 8, e74889.	1.1	12
16	Periplaneta americana midgut proteases differentially expressed against dietary components from different plant seeds. Physiological Entomology, 2011, 36, 180-186.	0.6	9
17	Changes and induction of aminopeptidase activities in response to pathogen infection during germination of pigeonpea (Cajanas cajan) seeds. Journal of Plant Physiology, 2011, 168, 1735-1742.	1.6	8
18	A proteinaceous thermo labile Î±-amylase inhibitor from Albizia lebbeck with inhibitory potential toward insect amylases. Arthropod-Plant Interactions, 2012, 6, 213-220.	0.5	5

#	Article	IF	Citations
19	Superoxide dismutase activities in the midgut of Helicoverpa armigera larvae: identification and biochemical properties of a manganese superoxide dismutase. Open Access Insect Physiology, 0, , 13.	0.8	5
20	Structural features of diverse Pin-II proteinase inhibitor genes from Capsicum annuum. Planta, 2015, 241, 319-331.	1.6	5
21	Angiotensin-Converting Enzyme Inhibitory Potential of Harmaline Isolated fromPeganum HarmalaL. Seeds. Journal of Herbs, Spices and Medicinal Plants, 2013, 19, 48-53.	0.5	3
22	Characterization and Applicability of Digestive Proteinases from Hepatopancreas ofBarytelphusa cunicularis. Food Biotechnology, 2011, 25, 1-15.	0.6	2