

Ashok P Giri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4937570/publications.pdf>

Version: 2024-02-01

152
papers

6,706
citations

76196

40
h-index

74018

75
g-index

157
all docs

157
docs citations

157
times ranked

6940
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic Determinants of Entomopathogenic Fungi and Their Involvement in Pathogenesis. <i>Microbial Ecology</i> , 2023, 85, 49-60.	1.4	8
2	Advanced genome editing strategies for manipulation of plant specialized metabolites pertaining to biofortification. <i>Phytochemistry Reviews</i> , 2022, 21, 81-99.	3.1	8
3	A glance at the chemodiversity of <i>Ocimum</i> species: Trends, implications, and strategies for the quality and yield improvement of essential oil. <i>Phytochemistry Reviews</i> , 2022, 21, 879-913.	3.1	27
4	Dietary influence on modulation of <i>Helicoverpa armigera</i> oral secretion composition leading to differential regulation of tomato plant defense. <i>Plant Science</i> , 2022, 314, 111120.	1.7	4
5	Characterized constituents of insect herbivore oral secretions and their influence on the regulation of plant defenses. <i>Phytochemistry</i> , 2022, 193, 113008.	1.4	12
6	Steroidal alkaloids defence metabolism and plant growth are modulated by the joint action of gibberellin and jasmonate signalling. <i>New Phytologist</i> , 2022, 233, 1220-1237.	3.5	21
7	Antiviral drugs prioritization for COVID-19 management based on rational selection. <i>Current Science</i> , 2022, 120, 1464.	0.4	1
8	2-oxoglutarate-dependent dioxygenases drive expansion of steroidal alkaloid structural diversity in the genus <i>Solanum</i> . <i>New Phytologist</i> , 2022, 234, 1394-1410.	3.5	12
9	Transcriptional and translational perturbation in abiotic stress induced physiological activities and metabolic pathway networks in spongy tissue disorder of mango fruit. <i>Postharvest Biology and Technology</i> , 2022, 188, 111880.	2.9	5
10	Functional Diversity of the Lepidopteran ATP-Binding Cassette Transporters. <i>Journal of Molecular Evolution</i> , 2022, 90, 258-270.	0.8	3
11	Investigation of the Captopril-Insulin Interaction by Mass Spectrometry and Computational Approaches Reveals that Captopril Induces Structural Changes in Insulin. <i>ACS Omega</i> , 2022, 7, 23115-23126.	1.6	0
12	Discovery of potential multi-target-directed ligands by targeting host-specific SARS-CoV-2 structurally conserved main protease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1-16.	2.0	259
13	Combinatorial Approach Through In Vitro Regeneration and Phytochemical Profiling of <i>Ceropegia media</i> (Huber) Ans.: A Potential Way Forward in the Conservation of an Endangered Medicinal Plant from the Western Ghats in India. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1139-1151.	2.8	3
14	Influence of domestication on specialized metabolic pathways in fruit crops. <i>Planta</i> , 2021, 253, 61.	1.6	4
15	Auxin: An emerging regulator of tuber and storage root development. <i>Plant Science</i> , 2021, 306, 110854.	1.7	34
16	PINIR: a comprehensive information resource for Pin-II type protease inhibitors. <i>BMC Plant Biology</i> , 2021, 21, 267.	1.6	6
17	Diversity in Chemical Structures and Biological Properties of Plant Alkaloids. <i>Molecules</i> , 2021, 26, 3374.	1.7	95
18	Functional insights into two <i>Ocimum kilimandscharicum</i> 4-coumarate-CoA ligases involved in phenylpropanoid biosynthesis. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 202-210.	3.6	8

#	ARTICLE	IF	CITATIONS
19	Genome wide analysis of 14-3-3 proteins in <i>Cicer arietinum</i> L. and identification of isoforms responsive to <i>Fusarium oxysporum</i> . <i>Current Science</i> , 2021, 121, 1039.	0.4	0
20	Effectors of Root-Knot Nematodes: An Arsenal for Successful Parasitism. <i>Frontiers in Plant Science</i> , 2021, 12, 800030.	1.7	23
21	NMR structure and dynamics of inhibitory repeat domain variant 12, a plant protease inhibitor from <i>Capsicum annuum</i> , and its structural relationship to other plant protease inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1388-1397.	2.0	3
22	High-throughput metabolomic and transcriptomic analyses vet the potential route of cerpegin biosynthesis in two varieties of <i>Ceropegia bulbosa</i> Roxb.. <i>Planta</i> , 2020, 251, 28.	1.6	1
23	Generation of novelties in the genus <i>Ocimum</i> as a result of natural hybridization: A morphological, genetical and chemical appraisal. <i>Industrial Crops and Products</i> , 2020, 156, 112859.	2.5	5
24	Molecular investigation of Coleopteran specific Î±-Amylase inhibitors from Amaranthaceae members. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1444-1450.	3.6	6
25	Differential Modulation in Metabolites Revealed with the Improvement in the Shelf-Life of Alphonso Fruits. <i>Molecular Biotechnology</i> , 2020, 62, 508-520.	1.3	6
26	Plant epigenetics and the "intelligent" priming system to combat biotic stress. , 2020, , 25-38.		9
27	Biosynthesis and tissue-specific partitioning of camphor and eugenol in <i>Ocimum kilimandscharicum</i> . <i>Phytochemistry</i> , 2020, 177, 112451.	1.4	7
28	Characterisation of hyper tolerant <i>Bacillus firmus</i> L-148 for arsenic oxidation. <i>Environmental Pollution</i> , 2020, 261, 114124.	3.7	27
29	Molecular determinant for specificity: Differential interaction of Î±-amylases with their proteinaceous inhibitors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129703.	1.1	15
30	Comparative non-targeted metabolomics reveals differentiation of biochemical pathway network among fruits of natural populations and Cv. Alphonso of mango (<i>Mangifera indica</i> L.). <i>Journal of Proteins and Proteomics</i> , 2020, 11, 269-282.	1.0	2
31	Semirational design and engineering of grapevine glucosyltransferases for enhanced activity and modified product selectivity. <i>Glycobiology</i> , 2019, 29, 765-775.	1.3	10
32	A potent chitin-hydrolyzing enzyme from <i>Myrothecium verrucaria</i> affects growth and development of <i>Helicoverpa armigera</i> and plant fungal pathogens. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 517-528.	3.6	9
33	Azadirachtin-A from <i>Azadirachta indica</i> Impacts Multiple Biological Targets in Cotton Bollworm <i>Helicoverpa armigera</i> . <i>ACS Omega</i> , 2019, 4, 9531-9541.	1.6	27
34	Phyto-inspired cyclic peptides derived from plant Pin-II type protease inhibitor reactive center loops for crop protection from insect pests. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1254-1262.	1.1	9
35	A Protein Î±-Amylase Inhibitor from <i>Withania Somnifera</i> and its Role in Overall Quality and Nutritional Value Improvement of Potato Chips during Processing. <i>Food and Bioprocess Technology</i> , 2019, 12, 636-644.	2.6	7
36	Rapid and efficient sequestration of arsenic from contaminated water using hypertolerant <i>Bacillus</i> L-148 sp.: a two-step process. <i>Green Chemistry</i> , 2019, 21, 2245-2251.	4.6	3

#	ARTICLE	IF	CITATIONS
37	Pathways to defense metabolites and evading fruit bitterness in genus <i>Solanum</i> evolved through 2-oxoglutarate-dependent dioxygenases. <i>Nature Communications</i> , 2019, 10, 5169.	5.8	60
38	Metabolomic Dynamics Reveals Oxidative Stress in Spongy Tissue Disorder During Ripening of <i>Mangifera indica</i> L. Fruit. <i>Metabolites</i> , 2019, 9, 255.	1.3	18
39	Data on metabolic profiling of spongy tissue disorder in <i>Mangifera indica</i> cv. Alphonso. <i>Data in Brief</i> , 2019, 22, 145-157.	0.5	2
40	Terpene profiling, transcriptome analysis and characterization of cis-Î²-terpineol synthase from <i>Ocimum</i> . <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 47-57.	1.4	5
41	Tripeptides derived from reactive centre loop of potato type II protease inhibitors preferentially inhibit midgut proteases of <i>Helicoverpa armigera</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2018, 95, 17-25.	1.2	10
42	Integrated Transcriptomic and Proteomic Analyses Suggest the Participation of Endogenous Protease Inhibitors in the Regulation of Protease Gene Expression in <i>Helicoverpa armigera</i> . <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1324-1336.	2.5	14
43	Structural and Functional Analysis of UGT92G6 Suggests an Evolutionary Link Between Mono- and Disaccharide Glycoside-Forming Transferases. <i>Plant and Cell Physiology</i> , 2018, 59, 862-875.	1.5	21
44	<i>WRKY1</i> acts as a key component improving resistance against <i>Alternaria solani</i> in wild tomato, <i>Solanum arcanum</i> Peralta. <i>Plant Biotechnology Journal</i> , 2018, 16, 1502-1513.	4.1	31
45	Genetically Engineered Crops: Opportunities, Constraints, and Food Security at a Glance of Human Health, Environmental Impact, and Food Quality. , 2018, , 311-334.		3
46	Structural, functional and evolutionary diversity of 4-coumarate-CoA ligase in plants. <i>Planta</i> , 2018, 248, 1063-1078.	1.6	114
47	Genomic and functional characterization of coleopteran insect-specific Î±-amylase inhibitor gene from <i>Amaranthus</i> species. <i>Plant Molecular Biology</i> , 2017, 94, 319-332.	2.0	14
48	Polymerization-Incompetent Uromodulin in the Pregnant Stroke-Prone Spontaneously Hypertensive Rat. <i>Hypertension</i> , 2017, 69, 910-918.	1.3	11
49	Isolation and characterization of 9-lipoxygenase and epoxide hydrolase 2 genes: Insight into lactone biosynthesis in mango fruit (<i>Mangifera indica</i> L.). <i>Phytochemistry</i> , 2017, 138, 65-75.	1.4	18
50	Plant cholesterol biosynthetic pathway overlaps with phytosterol metabolism. <i>Nature Plants</i> , 2017, 3, 16205.	4.7	201
51	Placental Proteomics Provides Insights into Pathophysiology of Pre-Eclampsia and Predicts Possible Markers in Plasma. <i>Journal of Proteome Research</i> , 2017, 16, 1050-1060.	1.8	31
52	Structure-function relationship of a bio-pesticidal trypsin/chymotrypsin inhibitor from winged bean. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 532-537.	3.6	16
53	Dynamic metabolic reprogramming of steroidal glycol-alkaloid and phenylpropanoid biosynthesis may impart early blight resistance in wild tomato (<i>Solanum arcanum</i> Peralta). <i>Plant Molecular Biology</i> , 2017, 95, 411-423.	2.0	41
54	A viable alternative in vitro system and comparative metabolite profiling of different tissues for the conservation of <i>Ceropegia karulensis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 391-405.	1.2	5

#	ARTICLE	IF	CITATIONS
55	Differential accumulation of vimentin fragments in preeclamptic placenta. Cytoskeleton, 2017, 74, 420-425.	1.0	2
56	Transcriptional transitions in Alphonso mango (<i>Mangifera indica</i> L.) during fruit development and ripening explain its distinct aroma and shelf life characteristics. Scientific Reports, 2017, 7, 8711.	1.6	42
57	Improved tolerance against <i>Helicoverpa armigera</i> in transgenic tomato over-expressing multi-domain proteinase inhibitor gene from <i>Capsicum annum</i> . Physiology and Molecular Biology of Plants, 2017, 23, 597-604.	1.4	16
58	Advanced Glycation End Products (AGEs) in Diabetic Complications. , 2017, , 423-449.		10
59	Tubulointerstitial nephritis antigen-like 1 protein is downregulated in the placenta of pre-eclamptic women. Clinical Proteomics, 2017, 14, 8.	1.1	13
60	Glucosylation of Smoke-Derived Volatiles in Grapevine (<i>Vitis vinifera</i>) is Catalyzed by a Promiscuous Resveratrol/Guaiacol Glucosyltransferase. Journal of Agricultural and Food Chemistry, 2017, 65, 5681-5689.	2.4	42
61	A glycoprotein α -amylase inhibitor from <i>Withania somnifera</i> differentially inhibits various α -amylases and affects the growth and development of <i>Tribolium castaneum</i> . Pest Management Science, 2017, 73, 1382-1390.	1.7	11
62	Effect of postharvest ethylene treatment on sugar content, glycosidase activity and its gene expression in mango fruit. Journal of the Science of Food and Agriculture, 2017, 97, 1624-1633.	1.7	13
63	Nutrient and Flavor Content of Mango (<i>Mangifera indica</i> L.) Cultivars. , 2016, , 445-467.		19
64	Potential Dual Role of Eugenol in Inhibiting Advanced Glycation End Products in Diabetes: Proteomic and Mechanistic Insights. Scientific Reports, 2016, 6, 18798.	1.6	82
65	Molecular Cloning and Characterization of O-Methyltransferase from Mango Fruit (<i>Mangifera indica</i>) Tj ETQq1 1 0.784314 rgBT /Over	1.3	
66	RNAi of selected candidate genes interrupts growth and development of <i>Helicoverpa armigera</i> . Pesticide Biochemistry and Physiology, 2016, 133, 44-51.	1.6	21
67	Data of in vitro synthesized dsRNAs on growth and development of <i>Helicoverpa armigera</i> . Data in Brief, 2016, 7, 1602-1605.	0.5	1
68	<i>Fusarium oxysporum</i> mediates systems metabolic reprogramming of chickpea roots as revealed by a combination of proteomics and metabolomics. Plant Biotechnology Journal, 2016, 14, 1589-1603.	4.1	63
69	Characterization of two coleopteran α -amylases and molecular insights into their differential inhibition by synthetic α -amylase inhibitor, acarbose. Insect Biochemistry and Molecular Biology, 2016, 74, 1-11.	1.2	20
70	Data on changes in the fatty acid composition during fruit development and ripening of three mango cultivars (Alphonso, Pairi and Kent) varying in lactone content. Data in Brief, 2016, 9, 480-491.	0.5	23
71	Budding trends in integrated pest management using advanced micro- and nano-materials: Challenges and perspectives. Journal of Environmental Management, 2016, 184, 157-169.	3.8	86
72	<i>Capsicum annum</i> proteinase inhibitor ingestion negatively impacts the growth of sorghum pest <i>Chilo partellus</i> and promotes differential protease expression. Biochemistry and Biophysics Reports, 2016, 8, 302-309.	0.7	14

#	ARTICLE	IF	CITATIONS
73	Characterization of Roseomonas and Nocardioides spp. for arsenic transformation. Journal of Hazardous Materials, 2016, 318, 742-750.	6.5	42
74	Comparative functional characterization of eugenol synthase from four different Ocimum species: Implications on eugenol accumulation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 1539-1547.	1.1	25
75	Proteomic Insight Reveals Elevated Levels of Albumin in Circulating Immune Complexes in Diabetic Plasma. Molecular and Cellular Proteomics, 2016, 15, 2011-2020.	2.5	17
76	The expression of proteins involved in digestion and detoxification are regulated in <i>Helicoverpa armigera</i> to cope up with chlorpyrifos insecticide. Insect Science, 2016, 23, 68-77.	1.5	20
77	Functional characterization and transient expression manipulation of a new sesquiterpene synthase involved in β -caryophyllene accumulation in Ocimum. Biochemical and Biophysical Research Communications, 2016, 473, 265-271.	1.0	21
78	GAME9 regulates the biosynthesis of steroidal alkaloids and upstream isoprenoids in the plant mevalonate pathway. Nature Communications, 2016, 7, 10654.	5.8	239
79	Parasitism by Chelonus blackburni (Hymenoptera) affects food consumption and development of Helicoverpa armigera (Lepidoptera) and cellular architecture of the midgut. Journal of Asia-Pacific Entomology, 2016, 19, 65-70.	0.4	3
80	Towards comprehension of complex chemical evolution and diversification of terpene and phenylpropanoid pathways in Ocimum species. RSC Advances, 2015, 5, 106886-106904.	1.7	23
81	Potential applications of glucosyltransferases in terpene glucoside production: impacts on the use of aroma and fragrance. Applied Microbiology and Biotechnology, 2015, 99, 165-174.	1.7	55
82	Cathepsins of lepidopteran insects: Aspects and prospects. Insect Biochemistry and Molecular Biology, 2015, 64, 51-59.	1.2	49
83	Development of Diagnostic Fragment Ion Library for Glycated Peptides of Human Serum Albumin: Targeted Quantification in Prediabetic, Diabetic, and Microalbuminuria Plasma by Parallel Reaction Monitoring, SWATH, and MSE. Molecular and Cellular Proteomics, 2015, 14, 2150-2159.	2.5	44
84	Ecological turmoil in evolutionary dynamics of plant-insect interactions: defense to offence. Planta, 2015, 242, 761-771.	1.6	24
85	Biochemical, structural and functional diversity between two digestive α -amylases from Helicoverpa armigera. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1719-1728.	1.1	11
86	Bio-physical evaluation and in vivo delivery of plant proteinase inhibitor immobilized on silica nanospheres. Colloids and Surfaces B: Biointerfaces, 2015, 130, 84-92.	2.5	11
87	Metabolic profiling of chickpea- Fusarium interaction identifies differential modulation of disease resistance pathways. Phytochemistry, 2015, 116, 120-129.	1.4	34
88	Structural features of diverse Pin-II proteinase inhibitor genes from Capsicum annum. Planta, 2015, 241, 319-331.	1.6	5
89	Insecticidal Potential of Defense Metabolites from Ocimum kilimandscharicum against Helicoverpa armigera. PLoS ONE, 2014, 9, e104377.	1.1	30
90	Immune response to chemically modified proteome. Proteomics - Clinical Applications, 2014, 8, 19-34.	0.8	7

#	ARTICLE	IF	CITATIONS
91	The remarkable efficiency of a Pin-II proteinase inhibitor sans two conserved disulfide bonds is due to enhanced flexibility and hydrogen bond density in the reactive site loop. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 13-26.	2.0	13
92	Differential antibiosis against <i>Helicoverpa armigera</i> exerted by distinct inhibitory repeat domains of <i>Capsicum annuum</i> proteinase inhibitors. <i>Phytochemistry</i> , 2014, 101, 16-22.	1.4	20
93	Way toward "Dietary Pesticides" Molecular Investigation of Insecticidal Action of Caffeic Acid against <i>Helicoverpa armigera</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10847-10854.	2.4	23
94	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> , 2014, 54, 129-137.	1.2	30
95	Resistance through inhibition: Ectopic expression of serine protease inhibitor offers stress tolerance via delayed senescence in yeast cell. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 361-368.	1.0	15
96	Stress inducible proteomic changes in <i>Capsicum annuum</i> leaves. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 212-217.	2.8	17
97	Molecular Insights into Resistance Mechanisms of Lepidopteran Insect Pests against Toxicants. <i>Journal of Proteome Research</i> , 2013, 12, 4727-4737.	1.8	75
98	Spatial and temporal changes in the volatile profile of Alphonso mango upon exogenous ethylene treatment. <i>Food Chemistry</i> , 2013, 136, 585-594.	4.2	22
99	Plant proteomics in India and Nepal: current status and challenges ahead. <i>Physiology and Molecular Biology of Plants</i> , 2013, 19, 461-477.	1.4	7
100	An oxidoreductase from "Alphonso" mango catalyzing biosynthesis of furaneol and reduction of reactive carbonyls. <i>SpringerPlus</i> , 2013, 2, 494.	1.2	12
101	Characterization of a chemostable serine alkaline protease from <i>Periplaneta americana</i> . <i>BMC Biochemistry</i> , 2013, 14, 32.	4.4	25
102	Glycated proteome: From reaction to intervention. <i>Proteomics - Clinical Applications</i> , 2013, 7, 155-170.	0.8	24
103	Complementation of intramolecular interactions for structural-functional stability of plant serine proteinase inhibitors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 5087-5094.	1.1	36
104	Characterization of three novel isoprenyl diphosphate synthases from the terpenoid rich mango fruit. <i>Plant Physiology and Biochemistry</i> , 2013, 71, 121-131.	2.8	20
105	Structural-functional insights of single and multi-domain <i>Capsicum annuum</i> protease inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1060-1065.	1.0	10
106	Plasticity of protease gene expression in <i>Helicoverpa armigera</i> upon exposure to multi-domain <i>Capsicum annuum</i> protease inhibitor. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3414-3420.	1.1	29
107	Proteomic Analysis of Protease Resistant Proteins in the Diabetic Rat Kidney. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 228-236.	2.5	29
108	Alterations in the <i>Helicoverpa armigera</i> Midgut Digestive Physiology after Ingestion of Pigeon Pea Inducible Leucine Aminopeptidase. <i>PLoS ONE</i> , 2013, 8, e74889.	1.1	12

#	ARTICLE	IF	CITATIONS
109	Enhanced permeation, leaf retention, and plant protease inhibitor activity with bicontinuous microemulsions. <i>Journal of Colloid and Interface Science</i> , 2012, 383, 177-183.	5.0	24
110	Low Plasma Albumin Levels Are Associated with Increased Plasma Protein Glycation and HbA1c in Diabetes. <i>Journal of Proteome Research</i> , 2012, 11, 1391-1396.	1.8	65
111	Stress inducible proteinase inhibitor diversity in <i>Capsicum annum</i> . <i>BMC Plant Biology</i> , 2012, 12, 217.	1.6	29
112	Proteome Profiling of Flax (<i>Linum usitatissimum</i>) Seed: Characterization of Functional Metabolic Pathways Operating during Seed Development. <i>Journal of Proteome Research</i> , 2012, 11, 6264-6276.	1.8	25
113	Geographic variation in the flavour volatiles of Alphonso mango. <i>Food Chemistry</i> , 2012, 130, 58-66.	4.2	36
114	Dynamic proteome in enigmatic preeclampsia: An account of molecular mechanisms and biomarker discovery. <i>Proteomics - Clinical Applications</i> , 2012, 6, 79-90.	0.8	11
115	Proteomic Analysis of Glycated Proteins from Streptozotocin-Induced Diabetic Rat Kidney. <i>Molecular Biotechnology</i> , 2012, 50, 28-38.	1.3	14
116	Gene Expression Profiling during Wilting in Chickpea Caused by <i>Fusarium oxysporum</i> F. sp. <i>Ciceri</i> . <i>American Journal of Plant Sciences</i> , 2012, 03, 190-201.	0.3	28
117	Assimilatory Potential of <i>Helicoverpa armigera</i> Reared on Host (<i>Chickpea</i>) and Nonhost (<i>Cassia tora</i>) Diets. <i>Journal of Proteome Research</i> , 2011, 10, 5128-5138.	1.8	20
118	Biochemical characterisation of α -amylase inhibitors from <i>Achyranthes aspera</i> and their interactions with digestive amylases of coleopteran and lepidopteran insects. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 1773-1780.	1.7	13
119	Serine Protease Inhibitors Specifically Defend <i>Solanum nigrum</i> against Generalist Herbivores but Do Not Influence Plant Growth and Development. <i>Plant Cell</i> , 2011, 22, 4158-4175.	3.1	79
120	Expression profiling of various genes during the fruit development and ripening of mango. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 426-433.	2.8	55
121	Interaction of recombinant CanPIs with <i>Helicoverpa armigera</i> gut proteases reveals their processing patterns, stability and efficiency. <i>Proteomics</i> , 2010, 10, 2845-2857.	1.3	25
122	Responses of midgut amylases of <i>Helicoverpa armigera</i> to feeding on various host plants. <i>Journal of Insect Physiology</i> , 2009, 55, 663-670.	0.9	96
123	Changes in volatile composition during fruit development and ripening of "Alphonso" mango. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 2071-2081.	1.7	52
124	Cultivar relationships in mango based on fruit volatile profiles. <i>Food Chemistry</i> , 2009, 114, 363-372.	4.2	105
125	Winged bean chymotrypsin inhibitors retard growth of <i>Helicoverpa armigera</i> . <i>Gene</i> , 2009, 431, 80-85.	1.0	30
126	Spatial and temporal expression patterns of diverse Pin-II proteinase inhibitor genes in <i>Capsicum annum</i> Linn. <i>Gene</i> , 2009, 442, 88-98.	1.0	25

#	ARTICLE	IF	CITATIONS
127	Identification of Indian pathogenic races of <i>Fusarium oxysporum</i> sp. <i>ciceris</i> with gene specific, ITS and random markers. <i>Mycologia</i> , 2009, 101, 484-495.	0.8	48
128	Digestive Duet: Midgut Digestive Proteinases of <i>Manduca sexta</i> Ingesting <i>Nicotiana attenuata</i> with Manipulated Trypsin Proteinase Inhibitor Expression. <i>PLoS ONE</i> , 2008, 3, e2008.	1.1	32
129	Diverse forms of Pin-II family proteinase inhibitors from <i>Capsicum annuum</i> adversely affect the growth and development of <i>Helicoverpa armigera</i> . <i>Gene</i> , 2007, 403, 29-38.	1.0	55
130	Differentially expressed gene transcripts in roots of resistant and susceptible chickpea plant (<i>Cicer</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 68, 176-188.	1.3	43
131	Structural and functional diversities in lepidopteran serine proteases. <i>Cellular and Molecular Biology Letters</i> , 2006, 11, 132-54.	2.7	198
132	Metabolic Engineering of Terpenoid Biosynthesis in Plants. <i>Phytochemistry Reviews</i> , 2006, 5, 49-58.	3.1	147
133	Silencing Threonine Deaminase and JAR4 in <i>Nicotiana attenuata</i> Impairs Jasmonic Acidâ€‘Isoleucineâ€‘Mediated Defenses against <i>Manduca sexta</i> . <i>Plant Cell</i> , 2006, 18, 3303-3320.	3.1	222
134	Molecular Interactions between the Specialist Herbivore <i>Manduca sexta</i> (Lepidoptera, Sphingidae) and Its Natural Host <i>Nicotiana attenuata</i> . VII. Changes in the Plant's Proteome. <i>Plant Physiology</i> , 2006, 142, 1621-1641.	2.3	174
135	Higher accumulation of proteinase inhibitors in flowers than leaves and fruits as a possible basis for differential feeding preference of <i>Helicoverpa armigera</i> on tomato (<i>Lycopersicon esculentum</i> Mill, Cv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.7	43
136	Characterization of two midgut proteinases of <i>Helicoverpa armigera</i> and their interaction with proteinase inhibitors. <i>Journal of Insect Physiology</i> , 2005, 51, 513-522.	0.9	43
137	A Kunitz trypsin inhibitor from chickpea (<i>Cicer arietinum</i> L.) that exerts anti-metabolic effect on podborer (<i>Helicoverpa armigera</i>) larvae. <i>Plant Molecular Biology</i> , 2005, 57, 359-374.	2.0	108
138	Gene expression patterns of <i>Helicoverpa armigera</i> gut proteases. <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 355-367.	1.2	101
139	In vivo and in vitro effect of proteinase inhibitors on gut proteinases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1722, 156-167.	1.1	102
140	Gain and Loss of Fruit Flavor Compounds Produced by Wild and Cultivated Strawberry Species. <i>Plant Cell</i> , 2004, 16, 3110-3131.	3.1	427
141	Identification of potent inhibitors of <i>Helicoverpa armigera</i> gut proteinases from winged bean seeds. <i>Phytochemistry</i> , 2003, 63, 523-532.	1.4	79
142	Bitter melon proteinase inhibitors: potential growth inhibitors of <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i> . <i>Phytochemistry</i> , 2003, 63, 643-652.	1.4	111
143	Terpenoid Metabolism in Wild-Type and Transgenic <i>Arabidopsis</i> Plants[W]. <i>Plant Cell</i> , 2003, 15, 2866-2884.	3.1	461
144	Detection of legume protease inhibitors by the Gel-X-ray film contact print technique. <i>Biochemistry and Molecular Biology Education</i> , 2002, 30, 40-44.	0.5	10

#	ARTICLE	IF	CITATIONS
145	Complexity in specificities and expression of <i>Helicoverpa armigera</i> gut proteinases explains polyphagous nature of the insect pest. <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 453-464.	1.2	163
146	Successive Use of Non-Host Plant Proteinase Inhibitors Required for Effective Inhibition of <i>Helicoverpa armigera</i> Gut Proteinases and Larval Growth. <i>Plant Physiology</i> , 1999, 121, 497-506.	2.3	151
147	Characterization of <i>Helicoverpa armigera</i> gut proteinases and their interaction with proteinase inhibitors using gel X-ray film contact print technique. <i>Electrophoresis</i> , 1998, 19, 1397-1402.	1.3	31
148	Amylase inhibitors of pigeonpea (<i>Cajanus cajan</i>) seeds. <i>Phytochemistry</i> , 1998, 47, 197-202.	1.4	101
149	Chickpea Defensive Proteinase Inhibitors Can Be Inactivated by Podborer Gut Proteinases ¹ . <i>Plant Physiology</i> , 1998, 116, 393-401.	2.3	174
150	Protease Inhibitors of Chickpea (<i>Cicer arietinum</i> L) During Seed Development. <i>Journal of the Science of Food and Agriculture</i> , 1997, 74, 509-512.	1.7	8
151	Proteinaceous Inhibitors of Trypsin and of Amylases in Developing and Germinating Seeds of Pigeon Pea (<i>Cajanus cajan</i> (L) Millsp). <i>Journal of the Science of Food and Agriculture</i> , 1996, 72, 57-62.	1.7	26
152	Detection of electrophoretically separated amylase inhibitors in starch-polyacrylamide gels. <i>Journal of Chromatography A</i> , 1996, 752, 261-264.	1.8	20