Ashok P Giri

List of Publications by Year
in descending order

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	Terpenoid Metabolism in Wild-Type and Transgenic Arabidopsis Plants[W]. Plant Cell, 2003, 15, 2866-2884.	3.1	461
2	Gain and Loss of Fruit Flavor Compounds Produced by Wild and Cultivated Strawberry Species. Plant Cell, 2004, 16, 3110-3131.	3.1	427
3	Discovery of potential multi-target-directed ligands by targeting host-specific SARS-CoV-2 structurally conserved main protease. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1-16.	2.0	259
4	GAME9 regulates the biosynthesis of steroidal alkaloids and upstream isoprenoids in the plant mevalonate pathway. Nature Communications, 2016, 7, 10654.	5.8	239
5	Silencing Threonine Deaminase and JAR4 in Nicotiana attenuata Impairs Jasmonic Acidâ€"Isoleucineâ€"Mediated Defenses against Manduca sexta. Plant Cell, 2006, 18, 3303-3320.	3.1	222
6	Plant cholesterol biosynthetic pathway overlaps with phytosterol metabolism. Nature Plants, 2017, 3, 16205.	4.7	201
7	Structural and functional diversities in lepidopteran serine proteases. Cellular and Molecular Biology Letters, 2006, 11, 132-54.	2.7	198
8	Chickpea Defensive Proteinase Inhibitors Can Be Inactivated by Podborer Gut Proteinases1. Plant Physiology, 1998, 116, 393-401.	2.3	174
9	Molecular Interactions between the Specialist Herbivore Manduca sexta (Lepidoptera, Sphingidae) and Its Natural Host Nicotiana attenuata. VII. Changes in the Plant's Proteome. Plant Physiology, 2006, 142, 1621-1641.	2.3	174
10	Complexity in specificities and expression of Helicoverpa armigera gut proteinases explains polyphagous nature of the insect pest. Insect Biochemistry and Molecular Biology, 2001, 31, 453-464.	1.2	163
11	Successive Use of Non-Host Plant Proteinase Inhibitors Required for Effective Inhibition of Helicoverpa armigera Gut Proteinases and Larval Growth. Plant Physiology, 1999, 121, 497-506.	2.3	151
12	Metabolic Engineering of Terpenoid Biosynthesis in Plants. Phytochemistry Reviews, 2006, 5, 49-58.	3.1	147
13	Structural, functional and evolutionary diversity of 4-coumarate-CoA ligase in plants. Planta, 2018, 248, 1063-1078.	1.6	114
14	Bitter gourd proteinase inhibitors: potential growth inhibitors of Helicoverpa armigera and Spodoptera litura. Phytochemistry, 2003, 63, 643-652.	1.4	111
15	A Kunitz trypsin inhibitor from chickpea (Cicer arietinum L.) that exerts anti-metabolic effect on podborer (Helicoverpa armigera) larvae. Plant Molecular Biology, 2005, 57, 359-374.	2.0	108
16	Cultivar relationships in mango based on fruit volatile profiles. Food Chemistry, 2009, 114, 363-372.	4.2	105
17	In vivo and in vitro effect of proteinase inhibitors on gut proteinases. Biochimica Et Biophysica Acta - General Subjects, 2005, 1722, 156-167.	1.1	102
18	Amylase inhibitors of pigeonpea (Cajanus cajan) seeds. Phytochemistry, 1998, 47, 197-202.	1.4	101

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19	Gene expression patterns of Helicoverpa armigera gut proteases. Insect Biochemistry and Molecular Biology, 2005, 35, 355-367.	1.2	101
20	Responses of midgut amylases of Helicoverpa armigera to feeding on various host plants. Journal of Insect Physiology, 2009, 55, 663-670.	0.9	96
21	Diversity in Chemical Structures and Biological Properties of Plant Alkaloids. Molecules, 2021, 26, 3374.	1.7	95
22	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
23	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
24	Identification of potent inhibitors of Helicoverpa armigera gut proteinases from winged bean seeds. Phytochemistry, 2003, 63, 523-532.	1.4	79
25	Serine Protease Inhibitors Specifically Defend <i>Solanum nigrum</i> against Generalist Herbivores but Do Not Influence Plant Growth and Development Â. Plant Cell, 2011, 22, 4158-4175.	3.1	79
26	Molecular Insights into Resistance Mechanisms of Lepidopteran Insect Pests against Toxicants. Journal of Proteome Research, 2013, 12, 4727-4737.	1.8	75
27	Low Plasma Albumin Levels Are Associated with Increased Plasma Protein Glycation and HbA1c in Diabetes. Journal of Proteome Research, 2012, 11, 1391-1396.	1.8	65
28	<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
29	Pathways to defense metabolites and evading fruit bitterness in genus Solanum evolved through 2-oxoglutarate-dependent dioxygenases. Nature Communications, 2019, 10, 5169.	5.8	60
30	Higher accumulation of proteinase inhibitors in flowers than leaves and fruits as a possible basis for differential feeding preference of Helicoverpa armigera on tomato (Lycopersicon esculentum Mill, Cv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	59
31	Diverse forms of Pin-II family proteinase inhibitors from Capsicum annuum adversely affect the growth and development of Helicoverpa armigera. Gene, 2007, 403, 29-38.	1.0	55
32	Expression profiling of various genes during the fruit development and ripening of mango. Plant Physiology and Biochemistry, 2010, 48, 426-433.	2.8	55
33	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
34	Changes in volatile composition during fruit development and ripening of â€˜Alphonsoâ€™ mango. Journal of the Science of Food and Agriculture, 2009, 89, 2071-2081.	1.7	52
35	Cathepsins of lepidopteran insects: Aspects and prospects. Insect Biochemistry and Molecular Biology, 2015, 64, 51-59.	1.2	49
36	Identification of Indian pathogenic races of<i>Fusarium oxysporum</i>f. sp.<i>ciceris</i>with gene specific, ITS and random markers. Mycologia, 2009, 101, 484-495.	0.8	48

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37	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
38	Characterization of two midgut proteinases of Helicoverpa armigera and their interaction with proteinase inhibitors. Journal of Insect Physiology, 2005, 51, 513-522.	0.9	43
39	Differentially expressed gene transcripts in roots of resistant and susceptible chickpea plant (Cicer) Tj ETQq1 1 0.784314 rgBT /Overlo 68, 176-188.	1.3	43
40	Characterization of Roseomonas and Nocardioides spp. for arsenic transformation. Journal of Hazardous Materials, 2016, 318, 742-750.	6.5	42
41	Transcriptional transitions in Alphonso mango (Mangifera indica L.) during fruit development and ripening explain its distinct aroma and shelf life characteristics. Scientific Reports, 2017, 7, 8711.	1.6	42
42	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
43	Dynamic metabolic reprogramming of steroidal glycol-alkaloid and phenylpropanoid biosynthesis may impart early blight resistance in wild tomato (Solanum arcanum Peralta). Plant Molecular Biology, 2017, 95, 411-423.	2.0	41
44	Geographic variation in the flavour volatiles of Alphonso mango. Food Chemistry, 2012, 130, 58-66.	4.2	36
45	Complementation of intramolecular interactions for structuralâ€"functional stability of plant serine proteinase inhibitors. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5087-5094.	1.1	36
46	Metabolic profiling of chickpea- Fusarium interaction identifies differential modulation of disease resistance pathways. Phytochemistry, 2015, 116, 120-129.	1.4	34
47	Auxin: An emerging regulator of tuber and storage root development. Plant Science, 2021, 306, 110854.	1.7	34
48	Digestive Duet: Midgut Digestive Proteinases of Manduca sexta Ingesting Nicotiana attenuata with Manipulated Trypsin Proteinase Inhibitor Expression. PLoS ONE, 2008, 3, e2008.	1.1	32
49	Characterization ofHelicoverpa armigera gut proteinases and their interaction with proteinase inhibitors using gel X-ray film contact print technique. Electrophoresis, 1998, 19, 1397-1402.	1.3	31
50	Placental Proteomics Provides Insights into Pathophysiology of Pre-Eclampsia and Predicts Possible Markers in Plasma. Journal of Proteome Research, 2017, 16, 1050-1060.	1.8	31
51	<i>WRKY1</i> acts as a key component improving resistance against <i>Alternaria solani</i> in wild tomato<i>, Solanum arcanum</i> Peralta. Plant Biotechnology Journal, 2018, 16, 1502-1513.	4.1	31
52	Winged bean chymotrypsin inhibitors retard growth of Helicoverpa armigera. Gene, 2009, 431, 80-85.	1.0	30
53	Insecticidal Potential of Defense Metabolites from Ocimum kilimandscharicum against Helicoverpa armigera. PLoS ONE, 2014, 9, e104377.	1.1	30
54	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

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55	Stress inducible proteinase inhibitor diversity in Capsicum annuum. BMC Plant Biology, 2012, 12, 217.	1.6	29
56	Plasticity of protease gene expression in Helicoverpa armigera upon exposure to multi-domain Capsicum annuum protease inhibitor. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3414-3420.	1.1	29
57	Proteomic Analysis of Protease Resistant Proteins in the Diabetic Rat Kidney. Molecular and Cellular Proteomics, 2013, 12, 228-236.	2.5	29
58	Gene Expression Profiling during Wilting in Chickpea Caused by <i>Fusarium oxysporum</i> F. sp. <i>Ciceri</i>. American Journal of Plant Sciences, 2012, 03, 190-201.	0.3	28
59	Azadirachtin-A from <i>Azadirachta indica</i> Impacts Multiple Biological Targets in Cotton Bollworm <i>Helicoverpa armigera</i>. ACS Omega, 2019, 4, 9531-9541.	1.6	27
60	Characterisation of hyper tolerant Bacillus firmus L-148 for arsenic oxidation. Environmental Pollution, 2020, 261, 114124.	3.7	27
61	A glance at the chemodiversity of Ocimum species: Trends, implications, and strategies for the quality and yield improvement of essential oil. Phytochemistry Reviews, 2022, 21, 879-913.	3.1	27
62	Proteinaceous Inhibitors of Trypsin and of Amylases in Developing and Germinating Seeds of Pigeon Pea (Cajanus cajan(L) Millsp). Journal of the Science of Food and Agriculture, 1996, 72, 57-62.	1.7	26
63	Spatial and temporal expression patterns of diverse Pin-II proteinase inhibitor genes in Capsicum annuum Linn. Gene, 2009, 442, 88-98.	1.0	25
64	Interaction of recombinant CanPIs with <i>Helicoverpa armigera</i> gut proteases reveals their processing patterns, stability and efficiency. Proteomics, 2010, 10, 2845-2857.	1.3	25
65	Proteome Profiling of Flax (<i>Linum usitatissimum</i>) Seed: Characterization of Functional Metabolic Pathways Operating during Seed Development. Journal of Proteome Research, 2012, 11, 6264-6276.	1.8	25
66	Characterization of a chemostable serine alkaline protease from Periplaneta americana. BMC Biochemistry, 2013, 14, 32.	4.4	25
67	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
68	Enhanced permeation, leaf retention, and plant protease inhibitor activity with bicontinuous microemulsions. Journal of Colloid and Interface Science, 2012, 383, 177-183.	5.0	24
69	Glycated proteome: From reaction to intervention. Proteomics - Clinical Applications, 2013, 7, 155-170.	0.8	24
70	Ecological turmoil in evolutionary dynamics of plantâ€“insect interactions: defense to offence. Planta, 2015, 242, 761-771.	1.6	24
71	Way toward â€œDietary Pesticidesâ€ Molecular Investigation of Insecticidal Action of Caffeic Acid against <i>Helicoverpa armigera</i>. Journal of Agricultural and Food Chemistry, 2014, 62, 10847-10854.	2.4	23
72	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

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73	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
74	Effectors of Root-Knot Nematodes: An Arsenal for Successful Parasitism. Frontiers in Plant Science, 2021, 12, 800030.	1.7	23
75	Spatial and temporal changes in the volatile profile of Alphonso mango upon exogenous ethylene treatment. Food Chemistry, 2013, 136, 585-594.	4.2	22
76	RNAi of selected candidate genes interrupts growth and development of Helicoverpa armigera. Pesticide Biochemistry and Physiology, 2016, 133, 44-51.	1.6	21
77	Functional characterization and transient expression manipulation of a new sesquiterpene synthase involved in Î²-caryophyllene accumulation in Ocimum. Biochemical and Biophysical Research Communications, 2016, 473, 265-271.	1.0	21
78	Structural and Functional Analysis of UGT92G6 Suggests an Evolutionary Link Between Mono- and Disaccharide Glycoside-Forming Transferases. Plant and Cell Physiology, 2018, 59, 862-875.	1.5	21
79	Steroidal alkaloids defence metabolism and plant growth are modulated by the joint action of gibberellin and jasmonate signalling. New Phytologist, 2022, 233, 1220-1237.	3.5	21
80	Detection of electrophoretically separated amylase inhibitors in starch-polyacrylamide gels. Journal of Chromatography A, 1996, 752, 261-264.	1.8	20
81	Assimilatory Potential of <i>Helicoverpa armigera</i> Reared on Host (<i>Chickpea</i>) and Nonhost (<i>Cassia tora</i>) Diets. Journal of Proteome Research, 2011, 10, 5128-5138.	1.8	20
82	Characterization of three novel isoprenyl diphosphate synthases from the terpenoid rich mango fruit. Plant Physiology and Biochemistry, 2013, 71, 121-131.	2.8	20
83	Differential antibiosis against Helicoverpa armigera exerted by distinct inhibitory repeat domains of Capsicum annuum proteinase inhibitors. Phytochemistry, 2014, 101, 16-22.	1.4	20
84	Characterization of two coleopteran Î±-amylases and molecular insights into their differential inhibition by synthetic Î±-amylase inhibitor, acarbose. Insect Biochemistry and Molecular Biology, 2016, 74, 1-11.	1.2	20
85	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
86	Nutrient and Flavor Content of Mango (Mangifera indica L.) Cultivars. , 2016, , 445-467.		19
87	Isolation and characterization of 9-lipoxygenase and epoxide hydrolase 2 genes: Insight into lactone biosynthesis in mango fruit (Mangifera indica L.). Phytochemistry, 2017, 138, 65-75.	1.4	18
88	Metabolomic Dynamics Reveals Oxidative Stress in Spongy Tissue Disorder During Ripening of Mangifera indica L. Fruit. Metabolites, 2019, 9, 255.	1.3	18
89	Stress inducible proteomic changes in Capsicum annuum leaves. Plant Physiology and Biochemistry, 2014, 74, 212-217.	2.8	17
90	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

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91	Structure-function relationship of a bio-pesticidal trypsin/chymotrypsin inhibitor from winged bean. International Journal of Biological Macromolecules, 2017, 96, 532-537.	3.6	16
92	Improved tolerance against Helicoverpa armigera in transgenic tomato over-expressing multi-domain proteinase inhibitor gene from Capsicum annuum. Physiology and Molecular Biology of Plants, 2017, 23, 597-604.	1.4	16
93	Resistance through inhibition: Ectopic expression of serine protease inhibitor offers stress tolerance via delayed senescence in yeast cell. Biochemical and Biophysical Research Communications, 2014, 452, 361-368.	1.0	15
94	Molecular determinant for specificity: Differential interaction of Î±-amylases with their proteinaceous inhibitors. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129703.	1.1	15
95	Proteomic Analysis of Glycated Proteins from Streptozotocin-Induced Diabetic Rat Kidney. Molecular Biotechnology, 2012, 50, 28-38.	1.3	14
96	Capsicum annuum proteinase inhibitor ingestion negatively impacts the growth of sorghum pest Chilo partellus and promotes differential protease expression. Biochemistry and Biophysics Reports, 2016, 8, 302-309.	0.7	14
97	Genomic and functional characterization of coleopteran insect-specific Î±-amylase inhibitor gene from Amaranthus species. Plant Molecular Biology, 2017, 94, 319-332.	2.0	14
98	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
99	Biochemical characterisation of Î±-amylase inhibitors from Achyranthes aspera and their interactions with digestive amylases of coleopteran and lepidopteran insects. Journal of the Science of Food and Agriculture, 2011, 91, 1773-1780.	1.7	13
100	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. Journal of Biomolecular Structure and Dynamics, 2014, 32, 13-26.	2.0	13
101	Tubulointerstitial nephritis antigen-like 1 protein is downregulated in the placenta of pre-eclamptic women. Clinical Proteomics, 2017, 14, 8.	1.1	13
102	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
103	An oxidoreductase from â€˜Alphonsoâ€™ mango catalyzing biosynthesis of furaneol and reduction of reactive carbonyls. SpringerPlus, 2013, 2, 494.	1.2	12
104	Alterations in the Helicoverpa armigera Midgut Digestive Physiology after Ingestion of Pigeon Pea Inducible Leucine Aminopeptidase. PLoS ONE, 2013, 8, e74889.	1.1	12
105	Characterized constituents of insect herbivore oral secretions and their influence on the regulation of plant defenses. Phytochemistry, 2022, 193, 113008.	1.4	12
106	2â€oxoglutarateâ€dependent dioxygenases drive expansion of steroidal alkaloid structural diversity in the genus <i>Solanum</i>. New Phytologist, 2022, 234, 1394-1410.	3.5	12
107	Dynamic proteome in enigmatic preeclampsia: An account of molecular mechanisms and biomarker discovery. Proteomics - Clinical Applications, 2012, 6, 79-90.	0.8	11
108	Biochemical, structural and functional diversity between two digestive Î±-amylases from Helicoverpa armigera. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1719-1728.	1.1	11

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109	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
110	Polymerization-Incompetent Uromodulin in the Pregnant Stroke-Prone Spontaneously Hypertensive Rat. Hypertension, 2017, 69, 910-918.	1.3	11
111	A glycoprotein <i>Î±</i> -amylase inhibitor from <i>Withania somnifera</i> differentially inhibits various <i>Î±</i> -amylases and affects the growth and development of <i>Tribolium castaneum</i>. Pest Management Science, 2017, 73, 1382-1390.	1.7	11
112	Detection of legume protease inhibitors by the Gel-X-ray film contact print technique. Biochemistry and Molecular Biology Education, 2002, 30, 40-44.	0.5	10
113	Structuralâ€“functional insights of single and multi-domain Capsicum annuum protease inhibitors. Biochemical and Biophysical Research Communications, 2013, 430, 1060-1065.	1.0	10
114	Advanced Glycation End Products (AGEs) in Diabetic Complications. , 2017, , 423-449.		10
115	Tripeptides derived from reactive centre loop of potato type II protease inhibitors preferentially inhibit midgut proteases of Helicoverpa armigera. Insect Biochemistry and Molecular Biology, 2018, 95, 17-25.	1.2	10
116	Semirational design and engineering of grapevine glucosyltransferases for enhanced activity and modified product selectivity. Glycobiology, 2019, 29, 765-775.	1.3	10
117	A potent chitin-hydrolyzing enzyme from Myrothecium verrucaria affects growth and development of Helicoverpa armigera and plant fungal pathogens. International Journal of Biological Macromolecules, 2019, 141, 517-528.	3.6	9
118	Phyto-inspired cyclic peptides derived from plant Pin-II type protease inhibitor reactive center loops for crop protection from insect pests. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1254-1262.	1.1	9
119	Plant epigenetics and the â€˜intelligentâ€™ priming system to combat biotic stress. , 2020, , 25-38.		9
120	Protease Inhibitors of Chickpea (Cicer arietinumL) During Seed Development. Journal of the Science of Food and Agriculture, 1997, 74, 509-512.	1.7	8
121	Molecular Cloning and Characterization of O-Methyltransferase from Mango Fruit (Mangifera indica) Tj ETQq1 1 0.784314 rgBT /Over	1.3	8
122	Advanced genome editing strategies for manipulation of plant specialized metabolites pertaining to biofortification. Phytochemistry Reviews, 2022, 21, 81-99.	3.1	8
123	Functional insights into two Ocimum kilimandscharicum 4-coumarate-CoA ligases involved in phenylpropanoid biosynthesis. International Journal of Biological Macromolecules, 2021, 181, 202-210.	3.6	8
124	Genomic Determinants of Entomopathogenic Fungi and Their Involvement in Pathogenesis. Microbial Ecology, 2023, 85, 49-60.	1.4	8
125	Plant proteomics in India and Nepal: current status and challenges ahead. Physiology and Molecular Biology of Plants, 2013, 19, 461-477.	1.4	7
126	Immune response to chemically modified proteome. Proteomics - Clinical Applications, 2014, 8, 19-34.	0.8	7

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127	A Protein Î±-Amylase Inhibitor from Withania Somnifera and its Role in Overall Quality and Nutritional Value Improvement of Potato Chips during Processing. Food and Bioprocess Technology, 2019, 12, 636-644.	2.6	7
128	Biosynthesis and tissue-specific partitioning of camphor and eugenol in Ocimum kilimandscharicum. Phytochemistry, 2020, 177, 112451.	1.4	7
129	Molecular investigation of Coleopteran specific Î±-Amylase inhibitors from Amaranthaceae members. International Journal of Biological Macromolecules, 2020, 163, 1444-1450.	3.6	6
130	Differential Modulation in Metabolites Revealed with the Improvement in the Shelf-Life of Alphonso Fruits. Molecular Biotechnology, 2020, 62, 508-520.	1.3	6
131	PINIR: a comprehensive information resource for Pin-II type protease inhibitors. BMC Plant Biology, 2021, 21, 267.	1.6	6
132	Structural features of diverse Pin-II proteinase inhibitor genes from Capsicum annuum. Planta, 2015, 241, 319-331.	1.6	5
133	A viable alternative in vitro system and comparative metabolite profiling of different tissues for the conservation of Ceropegia karulensis. Plant Cell, Tissue and Organ Culture, 2017, 131, 391-405.	1.2	5
134	Terpene profiling, transcriptome analysis and characterization of cis-Î²-terpineol synthase from Ocimum. Physiology and Molecular Biology of Plants, 2019, 25, 47-57.	1.4	5
135	Generation of novelties in the genus Ocimum as a result of natural hybridization: A morphological, genetical and chemical appraisal. Industrial Crops and Products, 2020, 156, 112859.	2.5	5
136	Transcriptional and translational perturbation in abiotic stress induced physiological activities and metabolic pathway networks in spongy tissue disorder of mango fruit. Postharvest Biology and Technology, 2022, 188, 111880.	2.9	5
137	Influence of domestication on specialized metabolic pathways in fruit crops. Planta, 2021, 253, 61.	1.6	4
138	Dietary influence on modulation of Helicoverpa armigera oral secretion composition leading to differential regulation of tomato plant defense. Plant Science, 2022, 314, 111120.	1.7	4
139	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
140	Genetically Engineered Crops: Opportunities, Constraints, and Food Security at a Glance of Human Health, Environmental Impact, and Food Quality. , 2018, , 311-334.		3
141	Rapid and efficient sequestration of arsenic from contaminated water using hypertolerant<i>Bacillus</i>L-148 sp.: a two-step process. Green Chemistry, 2019, 21, 2245-2251.	4.6	3
142	NMR structure and dynamics of inhibitory repeat domain variant 12, a plant protease inhibitor from Capsicum annuum, and its structural relationship to other plant protease inhibitors. Journal of Biomolecular Structure and Dynamics, 2020, 38, 1388-1397.	2.0	3
143	Combinatorial Approach Through In Vitro Regeneration and Phytochemical Profiling of Ceropegia media (Huber) Ans.: A Potential Way Forward in the Conservation of an Endangered Medicinal Plant from the Western Ghats in India. Journal of Plant Growth Regulation, 2021, 40, 1139-1151.	2.8	3
144	Functional Diversity of the Lepidopteran ATP-Binding Cassette Transporters. Journal of Molecular Evolution, 2022, 90, 258-270.	0.8	3

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145	Differential accumulation of vimentin fragments in preeclamptic placenta. Cytoskeleton, 2017, 74, 420-425.	1.0	2
146	Data on metabolic profiling of spongy tissue disorder in Mangifera indica cv. Alphonso. Data in Brief, 2019, 22, 145-157.	0.5	2
147	Comparative non-targeted metabolomics reveals differentiation of biochemical pathway network among fruits of natural populations and Cv. Alphonso of mango (Mangifera indica L.). Journal of Proteins and Proteomics, 2020, 11, 269-282.	1.0	2
148	Data of in vitro synthesized dsRNAs on growth and development of Helicoverpa armigera. Data in Brief, 2016, 7, 1602-1605.	0.5	1
149	High-throughput metabolomic and transcriptomic analyses vet the potential route of cerpegin biosynthesis in two varieties of Ceropegia bulbosa Roxb.. Planta, 2020, 251, 28.	1.6	1
150	Antiviral drugs prioritization for COVID-19 management based on rational selection. Current Science, 2022, 120, 1464.	0.4	1
151	Genome wide analysis of 14-3-3 proteins in Cicer arietinum L. and identification of isoforms responsive to Fusarium oxysporum. Current Science, 2021, 121, 1039.	0.4	0
152	Investigation of the Captoprilâ€"Insulin Interaction by Mass Spectrometry and Computational Approaches Reveals that Captopril Induces Structural Changes in Insulin. ACS Omega, 2022, 7, 23115-23126.	1.6	0