Hari B Krishnan

List of Publications by Year
in descending order

144 papers	4,984 citations	71102 41 h-index	114465 63 g-index
145 all docs	145 docs citations	145 times ranked	4677 citing authors

#	Article	IF	Citations
1	Adenanthera pavonina, a potential plant-based protein resource: seed protein composition and immunohistochemical localization of trypsin inhibitors. Food Chemistry: X, 2022, 13, 100253.	4.3	2
2	Breeding of â€˜DND358â€™: A new soybean cultivar for processing soy protein isolate with a hypocholesterolemic effect similar to that of fenofibrate. Journal of Functional Foods, 2022, 90, 104979.	3.4	4
3	Confocal Fluorescence Microscopy Investigation for the Existence of Subdomains within Protein Storage Vacuoles in Soybean Cotyledons. International Journal of Molecular Sciences, 2022, 23, 3664.	4.1	1
4	Protein profiling of fast neutron soybean mutant seeds reveals differential accumulation of seed and iron storage proteins. Phytochemistry, 2022, 200, 113214.	2.9	3
5	Lunasin protease inhibitor concentrate decreases pro-inflammatory cytokines and improves histopathological markers in dextran sodium sulfate-induced ulcerative colitis. Food Science and Human Wellness, 2022, 11, 1508-1514.	4.9	9
6	Title: Hypermethylation of miRNA Genes During Nodule Development. Frontiers in Molecular Biosciences, 2021, 8, 616623.	3.5	4
7	Development of soybean experimental lines with enhanced protein and sulfur amino acid content. Plant Science, 2021, 308, 110912.	3.6	11
8	Utilization of tofu processing wastewater as a source of the bioactive peptide lunasin. Food Chemistry, 2021, 362, 130220.	8.2	11
9	Quantitative proteomic analyses reveal the dynamics of protein and amino acid accumulation during soybean seed development. Proteomics, 2021, , 2100143.	2.2	0
10	Effect of Heat Stress on Seed Protein Composition and Ultrastructure of Protein Storage Vacuoles in the Cotyledonary Parenchyma Cells of Soybean Genotypes That Are Either Tolerant or Sensitive to Elevated Temperatures. International Journal of Molecular Sciences, 2020, 21, 4775.	4.1	25
11	Overexpression of ATP sulfurylase improves the sulfur amino acid content, enhances the accumulation of Bowmanâ€“Birk protease inhibitor and suppresses the accumulation of the Î²-subunit of Î²-conglycinin in soybean seeds. Scientific Reports, 2020, 10, 14989.	3.3	11
12	Proteomic Profiling of Fast Neutron-Induced Soybean Mutant Unveiled Pathways Associated with Increased Seed Protein Content. Journal of Proteome Research, 2020, 19, 3936-3944.	3.7	12
13	Interactions of gene expression, alternative splicing, and DNA methylation in determining nodule identity. Plant Journal, 2020, 103, 1744-1766.	5.7	26
14	Soybean Mutants Lacking Abundant Seed Storage Proteins Are Impaired in Mobilization of Storage Reserves and Germination. ACS Omega, 2020, 5, 8065-8075.	3.5	12
15	Lathyrus sativus Originating from Different Geographical Regions Reveals Striking Differences in Kunitz and Bowmanâ€“Birk Inhibitor Activities. Journal of Agricultural and Food Chemistry, 2019, 67, 8119-8129.	5.2	8
16	Proteomic Comparison of Three Extraction Methods Reveals the Abundance of Protease Inhibitors in the Seeds of Grass Pea, a Unique Orphan Legume. Journal of Agricultural and Food Chemistry, 2019, 67, 10296-10305.	5.2	1
17	BG-4 from Bitter Gourd (Momordica charantia) Differentially Affects Inflammation In Vitro and In Vivo. Antioxidants, 2019, 8, 175.	5.1	9
18	Biochemical and Anatomical Investigation of Sesbania herbacea (Mill.) McVaugh Nodules Grown under Flooded and Non-Flooded Conditions. International Journal of Molecular Sciences, 2019, 20, 1824.	4.1	9

#	Article	IF	Citations
19	Draft Genome Sequence of Bradyrhizobium sp. Strain LVM 105, a Nitrogen-Fixing Symbiont of Chamaecrista fasciculata (Michx.) Greene. Microbiology Resource Announcements, 2019, 8, .	0.6	0
20	Classical Soybean (Glycine max (L.) Merr) Symbionts, Sinorhizobium fredii USDA191 and Bradyrhizobium diazoefficiens USDA110, Reveal Contrasting Symbiotic Phenotype on Pigeon Pea (Cajanus cajan (L.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4	20
21	Quantitative Proteomic Analysis of Low Linolenic Acid Transgenic Soybean Reveals Perturbations of Fatty Acid Metabolic Pathways. Proteomics, 2019, 19, e1800379.	2.2	35
22	Impact of co-expression of maize 11 and 18â€‰kDa Î´-zeins and 27â€‰kDa Î³-zein in transgenic soybeans on protein body structure and sulfur amino acid content. Plant Science, 2019, 280, 340-347.	3.6	13
23	BG-4, a novel bioactive peptide from momordica charantia, inhibits lipopolysaccharide-induced inflammation in THP-1 human macrophages. Phytomedicine, 2018, 42, 226-232.	5.3	27
24	Review: The promise and limits for enhancing sulfur-containing amino acid content of soybean seed. Plant Science, 2018, 272, 14-21.	3.6	61
25	Impact of overexpression of cytosolic isoform of O-acetylserine sulfhydrylase on soybean nodulation and nodule metabolome. Scientific Reports, 2018, 8, 2367.	3.3	10
26	Genomewide association study of ionomic traits on diverse soybean populations from germplasm collections. Plant Direct, 2018, 2, e00033.	1.9	26
27	Development and Characterization of a Soybean Experimental Line Lacking the Î±â€² Subunit of Î²-Conglycinin and G1, G2, and G4 Glycinin. Journal of Agricultural and Food Chemistry, 2018, 66, 432-439.	5.2	11
28	Transcriptomic Profiling of Lathyrus sativus L. Metabolism of Î²-ODAP, a Neuroexcitatory Amino Acid Associated with Neurodegenerative Lower Limb Paralysis. Plant Molecular Biology Reporter, 2018, 36, 832-843.	1.8	15
29	Identification and Characterization of Î²-Lathyrin, an Abundant Glycoprotein of Grass Pea (Lathyrus) Tj ETQq1 1 0.784314 rgBT /Over	5.2	15
30	Proteomic Analysis of Pigeonpea (Cajanus cajan) Seeds Reveals the Accumulation of Numerous Stress-Related Proteins. Journal of Agricultural and Food Chemistry, 2017, 65, 4572-4581.	5.2	31
31	Whole-Genome Resequencing Identifies the Molecular Genetic Cause for the Absence of a Gy5 Glycinin Protein in Soybean PI 603408. G3: Genes, Genomes, Genetics, 2017, 7, 2345-2352.	1.8	6
32	Metabolomics Approach To Understand Mechanisms of Î²-N-Oxalyl-<scp>l</scp>-Î±,Î²-diaminopropionic Acid (Î²-ODAP) Biosynthesis in Grass Pea (Lathyrus) Tj ETQq0 0 0 rgBT /Overlo	5.2	18
33	Î²-N-Oxalyl-l-Î±,Î²-diaminopropionic Acid (Î²-ODAP) Content in Lathyrus sativus: The Integration of Nitrogen and Sulfur Metabolism through Î²-Cyanoalanine Synthase. International Journal of Molecular Sciences, 2017, 18, 526.	4.1	46
34	The Absence of the N-acyl-homoserine-lactone Autoinducer Synthase Genes traI and ngrI Increases the Copy Number of the Symbiotic Plasmid in Sinorhizobium fredii NGR234. Frontiers in Microbiology, 2016, 7, 1858.	3.5	9
35	Transcriptome Profile of Near-Isogenic Soybean Lines for Î²-Conglycinin Î±-Subunit Deficiency during Seed Maturation. PLoS ONE, 2016, 11, e0159723.	2.5	17
36	Characterization of Seed Storage Proteins of Several Perennial Glycine Species. Journal of Agricultural and Food Chemistry, 2016, 64, 8499-8508.	5.2	11

#	Article	IF	Citations
37	Deletion of the SACPD-C Locus Alters the Symbiotic Relationship Between Bradyrhizobium japonicum USDA110 and Soybean, Resulting in Elicitation of Plant Defense Response and Nodulation Defects. Molecular Plant-Microbe Interactions, 2016, 29, 862-877.	2.6	10
38	Kunitz trypsin inhibitor in addition to Bowman-Birk inhibitor influence stability of lunasin against pepsin-pancreatin hydrolysis. Food Research International, 2016, 90, 205-215.	6.2	23
39	BG-4, a novel anticancer peptide from bitter gourd (Momordica charantia), promotes apoptosis in human colon cancer cells. Scientific Reports, 2016, 6, 33532.	3.3	64
40	Soy and Gut Microbiota: Interaction and Implication for Human Health. Journal of Agricultural and Food Chemistry, 2016, 64, 8695-8709.	5.2	92
41	Impact of heat stress during seed development on soybean seed metabolome. Metabolomics, 2016, 12, 1.	3.0	89
42	Immunological Investigation for the Presence of Lunasin, a Chemopreventive Soybean Peptide, in the Seeds of Diverse Plants. Journal of Agricultural and Food Chemistry, 2016, 64, 2901-2909.	5.2	15
43	Compositional changes of selected amino acids, organic acids, and soluble sugars in the xylem sap of N, P, or Kâ€deficient tomato plants. Journal of Plant Nutrition and Soil Science, 2015, 178, 792-797.	1.9	28
44	Nodulation Genes and Type III Secretion Systems in Rhizobia. Agronomy, 2015, , 65-94.	0.2	0
45	Nodulation outer proteins: double-edged swords of symbiotic rhizobia. Biochemical Journal, 2015, 470, 263-274.	3.7	117
46	Identification of a New Soybean Kunitz Trypsin Inhibitor Mutation and Its Effect on Bowmanâ''Birk Protease Inhibitor Content in Soybean Seed. Journal of Agricultural and Food Chemistry, 2015, 63, 1352-1359.	5.2	39
47	An effective and simple procedure to isolate abundant quantities of biologically active chemopreventive Lunasin Protease Inhibitor Concentrate (LPIC) from soybean. Food Chemistry, 2015, 177, 120-126.	8.2	14
48	Introgression of Leginsulin, a Cysteine-Rich Protein, and High-Protein Trait from an Asian Soybean Plant Introduction Genotype into a North American Experimental Soybean Line. Journal of Agricultural and Food Chemistry, 2015, 63, 2862-2869.	5.2	9
49	Metabolomic profiling from leaves and roots of tomato (Solanum lycopersicum L.) plants grown under nitrogen, phosphorus or potassium-deficient condition. Plant Science, 2015, 241, 55-64.	3.6	131
50	Effects of proteome rebalancing and sulfur nutrition on the accumulation of methionine rich ÃŽÂ´-zein in transgenic soybeans. Frontiers in Plant Science, 2014, 5, 633.	3.6	34
51	Structural basis for regulation of rhizobial nodulation and symbiosis gene expression by the regulatory protein NolR. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6509-6514.	7.1	23
52	A nopA Deletion Mutant of Sinorhizobium fredii USDA257, a Soybean Symbiont, is Impaired in Nodulation. Current Microbiology, 2014, 68, 239-246.	2.2	26
53	Symbiosomes: temporary moonlighting organelles. Biochemical Journal, 2014, 460, 1-11.	3.7	30
54	Structure and Mechanism of Soybean ATP Sulfurylase and the Committed Step in Plant Sulfur Assimilation. Journal of Biological Chemistry, 2014, 289, 10919-10929.	3.4	39

#	Article	IF	Citations
55	RNA Sequencing Analysis of the Broad-Host-Range Strain Sinorhizobium fredii NGR234 Identifies a Large Set of Genes Linked to Quorum Sensing-Dependent Regulation in the Background of a traI and ngrI Deletion Mutant. Applied and Environmental Microbiology, 2014, 80, 5655-5671.	3.1	28
56	Identification of a plant introduction soybean line with genetic lesions affecting two distinct glycinin subunits and evaluation of impacts on protein content and composition. Molecular Breeding, 2013, 32, 291-298.	2.1	12
57	Identification of an Abundant 56 kDa Protein Implicated in Food Allergy as Granule-Bound Starch Synthase. Journal of Agricultural and Food Chemistry, 2013, 61, 5404-5409.	5.2	14
58	Structure of Soybean Serine Acetyltransferase and Formation of the Cysteine Regulatory Complex as a Molecular Chaperone. Journal of Biological Chemistry, 2013, 288, 36463-36472.	3.4	32
59	Accumulation of Leginsulin, a Hormoneâ€Like Bioactive Peptide, is Drastically Higher in Asian than in North American Soybean Accessions. Crop Science, 2012, 52, 262-271.	1.8	9
60	Growing Location has a Pronounced Effect on the Accumulation of Cancer Chemopreventive Agent Bowmanâ€Birk Inhibitor in Soybean Seeds. Crop Science, 2012, 52, 1786-1794.	1.8	12
61	Complete Genome Sequence of the Broad-Host-Range Strain Sinorhizobium fredii USDA257. Journal of Bacteriology, 2012, 194, 4483-4483.	2.2	46
62	Imbibition of Soybean Seeds in Warm Water Results in the Release of Copious Amounts of Bowmanâ€“Birk Protease Inhibitor, a Putative Anticarcinogenic Agent. Journal of Agricultural and Food Chemistry, 2012, 60, 3135-3143.	5.2	29
63	Transgenic soybean plants overexpressing O-acetylserine sulfhydrylase accumulate enhanced levels of cysteine and Bowmanâ€“Birk protease inhibitor in seeds. Planta, 2012, 235, 13-23.	3.2	62
64	Biofortification of Soybean Meal: Immunological Properties of the 27 kDa Î³-Zein. Journal of Agricultural and Food Chemistry, 2011, 59, 1223-1228.	5.2	21
65	Characterization of Allergens Isolated from the Freshwater Fish Blunt Snout Bream (Megalobrama) Tj ETQq1 1 0.784314 rgBT /Overlo	5.2	46
66	Proteomic Analysis of High Protein Soybean (Glycine max) Accessions Demonstrates the Contribution of Novel Glycinin Subunits. Journal of Agricultural and Food Chemistry, 2011, 59, 2432-2439.	5.2	35
67	Protein and metabolite composition of xylem sap from field-grown soybeans (Glycine max). Planta, 2011, 233, 921-931.	3.2	55
68	Distinct Cell Surface Appendages Produced by Sinorhizobium fredii USDA257 and S. fredii USDA191, Cultivar-Specific and Nonspecific Symbionts of Soybean. Applied and Environmental Microbiology, 2011, 77, 6240-6248.	3.1	7
69	The protective effect of soybean phytochemicals on androgen responsive human prostate cancer cells LNCaP is likely mediated through modulation of hormone/cytokine-dependent pathways. Functional Foods in Health and Disease, 2011, 1, 457.	0.6	2
70	From sulfur to homoglutathione: thiol metabolism in soybean. Amino Acids, 2010, 39, 963-978.	2.7	59
71	The Lack of Betaâ€amylase Activity in Soybean Cultivar Altona sp₁ is Associated with a 1.2 kb Deletion in the 5â€² Region of Betaâ€amylase I Gene. Crop Science, 2010, 50, 1942-1949.	1.8	3
72	Disruption of the Glycine Cleavage System Enables Sinorhizobium fredii USDA257 To Form Nitrogen-Fixing Nodules on Agronomically Improved North American Soybean Cultivars. Applied and Environmental Microbiology, 2010, 76, 4185-4193.	3.1	8

#	Article	IF	Citations
73	Translocation of NopP by Sinorhizobium fredii USDA257 into Vigna unguiculata Root Nodules. Applied and Environmental Microbiology, 2010, 76, 3758-3761.	3.1	34
74	R gene-controlled host specificity in the legumeâ€“rhizobia symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18735-18740.	7.1	277
75	Threonine-insensitive Homoserine Dehydrogenase from Soybean. Journal of Biological Chemistry, 2010, 285, 827-834.	3.4	17
76	Maize 27 kDa Î³-Zein Is a Potential Allergen for Early Weaned Pigs. Journal of Agricultural and Food Chemistry, 2010, 58, 7323-7328.	5.2	22
77	Assembly of the Cysteine Synthase Complex and the Regulatory Role of Protein-Protein Interactions. Journal of Biological Chemistry, 2009, 284, 10268-10275.	3.4	70
78	Biocontrol Ability of Lysobacter antibioticus HS124 Against Phytophthora Blight Is Mediated by the Production of 4-Hydroxyphenylacetic Acid and Several Lytic Enzymes. Current Microbiology, 2009, 59, 608-615.	2.2	92
79	A rapid and simple procedure for the depletion of abundant storage proteins from legume seeds to advance proteome analysis: A case study using Glycine max. Proteomics, 2009, 9, 3174-3188.	2.2	81
80	Nodulation of Sesbania species by Rhizobium (Agrobacterium) strain IRBG74 and other rhizobia. Environmental Microbiology, 2009, 11, 2510-2525.	3.8	120
81	A rapid method for depletion of Rubisco from soybean (Glycine max) leaf for proteomic analysis of lower abundance proteins. Phytochemistry, 2009, 70, 1958-1964.	2.9	62
82	An efficient extraction method to enhance analysis of low abundant proteins from soybean seed. Analytical Biochemistry, 2009, 394, 259-268.	2.4	64
83	All Three Subunits of Soybean Î²-Conglycinin Are Potential Food Allergens. Journal of Agricultural and Food Chemistry, 2009, 57, 938-943.	5.2	160
84	The role of 5â€²-adenylylsulfate reductase in the sulfur assimilation pathway of soybean: Molecular cloning, kinetic characterization, and gene expression. Phytochemistry, 2008, 69, 356-364.	2.9	32
85	Inactivation ofpqqgenes ofEnterobacter intermedium60-2G reduces antifungal activity and induction of systemic resistance. FEMS Microbiology Letters, 2008, 282, 140-146.	1.8	41
86	Regulatory Protein-Protein Interactions in Primary Metabolism: The Case of the Cysteine Synthase Complex. , 2008, , 97-109.		4
87	Modification of soybean seed composition through biotechnology to enhance their value in animal feeds. Journal of Biotechnology, 2008, 136, S215.	3.8	0
88	Preparative Procedures Markedly Influence the Appearance and Structural Integrity of Protein Storage Vacuoles in Soybean Seeds. Journal of Agricultural and Food Chemistry, 2008, 56, 2907-2912.	5.2	13
89	Interspecific Rice Hybrid of Oryza sativa Ã— Oryza nivara Reveals a Significant Increase in Seed Protein Content. Journal of Agricultural and Food Chemistry, 2008, 56, 476-482.	5.2	32
90	Identification of Several gy4 Nulls from the USDA Soybean Germplasm Collection Provides New Genetic Resources for the Development of High-Quality Tofu Cultivars. Journal of Agricultural and Food Chemistry, 2008, 56, 11320-11326.	5.2	12

#	Article	IF	Citations
91	Quantitative Conversion of Phytate to Inorganic Phosphorus in Soybean Seeds Expressing a Bacterial Phytase. Plant Physiology, 2008, 146, 323-324.	4.8	66
92	Functional nodFE Genes Are Present in Sinorhizobium sp. Strain MUS10, a Symbiont of the Tropical Legume Sesbania rostrata. Applied and Environmental Microbiology, 2008, 74, 2921-2923.	3.1	5
93	Rhizobium-legume symbioses: molecular signals elaborated by rhizobia that are important for nodulati. , 2007, , 57-104.		3
94	Rhizobium etli USDA9032 Engineered To Produce a Phenazine Antibiotic Inhibits the Growth of Fungal Pathogens but Is Impaired in Symbiotic Performance. Applied and Environmental Microbiology, 2007, 73, 327-330.	3.1	29
95	Identification of Glycinin and Î²-Conglycinin Subunits that Contribute to the Increased Protein Content of High-Protein Soybean Lines. Journal of Agricultural and Food Chemistry, 2007, 55, 1839-1845.	5.2	55
96	Identification, Characterization, Epitope Mapping, and Three-Dimensional Modeling of the Î±-Subunit of Î²-Conglycinin of Soybean, a Potential Allergen for Young Pigs. Journal of Agricultural and Food Chemistry, 2007, 55, 4014-4020.	5.2	52
97	Calcium regulates the production of nodulation outer proteins (Nops) and precludes pili formation by Sinorhizobium fredii USDA257, a soybean symbiont. FEMS Microbiology Letters, 2007, 271, 59-64.	1.8	8
98	Effect of Six Decades of Selective Breeding on Soybean Protein Composition and Quality:Â A Biochemical and Molecular Analysis. Journal of Agricultural and Food Chemistry, 2006, 54, 3916-3922.	5.2	54
99	Assessment of Indigenous Nepalese Soybean as a Potential Germplasm Resource for Improvement of Protein in North American Cultivars. Journal of Agricultural and Food Chemistry, 2006, 54, 5489-5497.	5.2	11
100	Soybean ATP sulfurylase, a homodimeric enzyme involved in sulfur assimilation, is abundantly expressed in roots and induced by cold treatment. Archives of Biochemistry and Biophysics, 2006, 450, 20-29.	3.0	53
101	y4xP, an Open Reading Frame Located in a Type III Protein Secretion System Locus of Sinorhizobium fredii USDA257 and USDA191, Encodes Cysteine Synthase. Molecular Plant-Microbe Interactions, 2006, 19, 635-643.	2.6	3
102	Control of Late Blight (Phytophthora capsici) in Pepper Plant with a Compost Containing Multitude of Chitinase-producing Bacteria. BioControl, 2006, 51, 339-351.	2.0	31
103	Identification of a Functional 2-keto-myo-Inositol Dehydratase Gene ofSinorhizobium frediiUSDA191 Required formyo-Inositol Utilization. Bioscience, Biotechnology and Biochemistry, 2006, 70, 2957-2964.	1.3	4
104	Engineering Soybean for Enhanced Sulfur Amino Acid Content. Crop Science, 2005, 45, 454-461.	1.8	134
105	NopA Is Associated with Cell Surface Appendages Produced by the Type III Secretion System of Rhizobium sp. Strain NGR234. Molecular Plant-Microbe Interactions, 2005, 18, 499-507.	2.6	58
106	Nitrogen Lowers the Sulfur Amino Acid Content of Soybean (Glycine max[L.] Merr.) by Regulating the Accumulation of Bowmanâ^'Birk Protease Inhibitor. Journal of Agricultural and Food Chemistry, 2005, 53, 6347-6354.	5.2	35
107	Characterization of NopP, a Type III Secreted Effector of Rhizobium sp. Strain NGR234. Journal of Bacteriology, 2004, 186, 4774-4780.	2.2	89
108	Expression of an 11 kDa methionine-rich delta-zein in transgenic soybean results in the formation of two types of novel protein bodies in transitional cells situated between the vascular tissue and storage parenchyma cells. Plant Biotechnology Journal, 2004, 2, 199-210.	8.3	54

#	Article	IF	Citations
109	Sulfur assimilation in soybean (Glycine max [L.] Merr.): molecular cloning and characterization of a cytosolic isoform of serine acetyltransferase. Planta, 2004, 218, 417-426.	3.2	31
110	Accumulation of Genistein and Daidzein, Soybean Isoflavones Implicated in Promoting Human Health, Is Significantly Elevated by Irrigation. Journal of Agricultural and Food Chemistry, 2004, 52, 7574-7579.	5.2	87
111	NopB, a Soybean Cultivar-Specificity Protein from Sinorhizobium fredii USDA257, Is a Type III Secreted Protein. Molecular Plant-Microbe Interactions, 2004, 17, 1259-1268.	2.6	51
112	Allelic variation and differential expression of methionine-rich Î´-zeins in maize inbred lines B73 and W23a1. Planta, 2003, 217, 66-74.	3.2	14
113	A four-nucleotide base-pair deletion in the coding region of the Bowman?Birk protease inhibitor gene prevents its accumulation in the seeds of Glycine microphylla PI440956. Planta, 2003, 217, 523-527.	3.2	5
114	Citrate Synthase Mutants of Sinorhizobium fredii USDA257 Form Ineffective Nodules with Aberrant Ultrastructure. Applied and Environmental Microbiology, 2003, 69, 3561-3568.	3.1	9
115	Extracellular Proteins Involved in Soybean Cultivar-Specific Nodulation Are Associated with Pilus-Like Surface Appendages and Exported by a Type III Protein Secretion System in Sinorhizobium fredii USDA257. Molecular Plant-Microbe Interactions, 2003, 16, 617-625.	2.6	121
116	Characterization of Nops, Nodulation Outer Proteins, Secreted Via the Type III Secretion System of NGR234. Molecular Plant-Microbe Interactions, 2003, 16, 743-751.	2.6	142
117	Sulfur Assimilation in Soybean. Crop Science, 2003, 43, 1819-1827.	1.8	26
118	Molecular aspects of soybean cultivar-specific nodulation by Sinorhizobium fredii USDA257. Indian Journal of Experimental Biology, 2003, 41, 1114-23.	0.0	6
119	NolX of Sinorhizobium fredii USDA257, a Type III-Secreted Protein Involved in Host Range Determination, Is Localized in the Infection Threads of Cowpea (Vigna unguiculata [L.] Walp) and Soybean (Glycine max [L.] Merr.) Nodules. Journal of Bacteriology, 2002, 184, 831-839.	2.2	54
120	Making Rice a Perfect Food. The Journal of Crop Improvement: Innovations in Practiceory and Research, 2002, 5, 93-130.	0.4	5
121	Characterization of a soybean [Glycine max (L.) Merr.] mutant with reduced levels of Kunitz trypsin inhibitor. Plant Science, 2001, 160, 979-986.	3.6	32
122	Biochemistry and Molecular Biology of Soybean Seed Storage Proteins. Journal of New Seeds, 2001, 2, 1-25.	0.3	78
123	Seed storage protein composition of non-nodulating soybean (Glycine max (L.) Merr.) and its influence on protein quality. Plant Science, 2000, 157, 191-199.	3.6	29
124	Characterization of Highâ€Łysine Mutants of Rice. Crop Science, 1999, 39, 825-831.	1.8	10
125	Expression of genes fromRahnella aquatilisthat are necessary for mineral phosphate solubilization inEscherichia coli. FEMS Microbiology Letters, 1998, 159, 121-127.	1.8	72
126	Ineffective nodulation ofSesbania macrocarpabySinorhizobium melilotistrain RCR2011. FEMS Microbiology Letters, 1998, 165, 207-214.	1.8	2

#	Article	IF	Citations
127	Release of Flavonoids by the Soybean Cultivars McCall and Peking and Their Perception as Signals by the Nitrogen-Fixing SymbiontSinorhizobium fredii1. Plant Physiology, 1998, 117, 599-606.	4.8	71
128	Identification of Genistein, an Anticarcinogenic Compound, in the Edible Tubers of the American Groundnut (Apios americana Medikus). Crop Science, 1998, 38, 1052-1056.	1.8	33
129	Protein Body Formation and Immunocytochemical Localization of Globulins and Glutelins in Developing Rice (Oryza sativa L.) Embryos. Crop Science, 1997, 37, 932-939.	1.8	2
130	Rhizobium frediisynthesizes an array of lipooligosaccharides, including a novel compound with glucose inserted into the backbone of the molecule. FEBS Letters, 1996, 393, 273-279.	2.8	32
131	Transcriptional organization and expression of noIXWBTUV, a locus that regulates cultivar-specific nodulation of soybean by Rhizobium fredii USDA257. Molecular Microbiology, 1995, 17, 923-933.	2.5	43
132	A new root-nodulating symbiont of the tropical legumeSesbania, Rhizobiumsp SIN-1, is closely related toR. galegae, a species that nodulates temperate legumes. FEMS Microbiology Letters, 1995, 134, 19-25.	1.8	25
133	Cultivarâ€specificity genes of the nitrogenâ€fixing soybean symbiont, Rhizobium fredii USDA257, also regulate nodulation of Erythrina SPP.. American Journal of Botany, 1994, 81, 38-45.	1.7	10
134	Host range, RFLP, and antigenic relationships betweenRhizobium fredii strains andRhizobium sp. NGR234. Plant and Soil, 1994, 161, 21-29.	3.7	20
135	Cultivar-Specificity Genes of the Nitrogen-Fixing Soybean Symbiont, Rhizobium fredii USDA257, also Regulate Nodulation of Erythrina spp. American Journal of Botany, 1994, 81, 38.	1.7	7
136	Purification, partial characterization, and subcellular localization of a 38 kilodalton, calcium-regulated protein of Rhizobium fredii USDA208. Archives of Microbiology, 1993, 159, 250-256.	2.2	4
137	Flavonoid Inducers of Nodulation Genes StimulateRhizobium frediiUSDA257 to Export Proteins into the Environment. Molecular Plant-Microbe Interactions, 1993, 6, 107.	2.6	46
138	Characterization and localization of rice (Oryza sativa L.) seed globulins. Plant Science, 1992, 81, 1-11.	3.6	76
139	Inactivation ofnolCConditions Developmental Abnormalities in Nodulation of Peking Soybean byRhizobium frediiUSDA257. Molecular Plant-Microbe Interactions, 1992, 5, 14.	2.6	16
140	Sequence and Analysis of thenodABCRegion ofRhizobium frediiUSDA257, A Nitrogen-Fixing Symbiont of Soybean and Other Legumes. Molecular Plant-Microbe Interactions, 1991, 4, 512.	2.6	52
141	Ca2+-dependent in vitro phosphorylation of soluble proteins from germinating wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.2	6
142	Structural Relationship among the Rice Glutelin Polypeptides. Plant Physiology, 1986, 81, 748-753.	4.8	85
143	Improving the Sulfur-Containing Amino Acids of Soybean to Enhance its Nutritional Value in Animal Feed. Agronomy, 0, , 235-249.	0.2	3
144	Evaluation and Development of Low-Phytate Crops. Agronomy, 0, , 177-200.	0.2	9