

# Hari B Krishnan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142  
papers

3,824  
citations

38  
h-index

55  
g-index

145  
ext. papers

4,481  
ext. citations

4.5  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
142	, a potential plant-based protein resource: Seed protein composition and immunohistochemical localization of trypsin inhibitors.. <i>Food Chemistry: X</i> , <b>2022</b> , 13, 100253	4.7	0
141	Breeding of DND358A new soybean cultivar for processing soy protein isolate with a hypocholesterolemic effect similar to that of fenofibrate. <i>Journal of Functional Foods</i> , <b>2022</b> , 90, 104979	5.1	1
140	Protein profiling of fast neutron soybean mutant seeds reveals differential accumulation of seed and iron storage proteins.. <i>Phytochemistry</i> , <b>2022</b> , 113214	4	0
139	Quantitative proteomic analyses reveal the dynamics of protein and amino acid accumulation during soybean seed development. <i>Proteomics</i> , <b>2021</b> , e2100143	4.8	0
138	Title: Hypermethylation of miRNA Genes During Nodule Development. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 616623	5.6	0
137	Development of soybean experimental lines with enhanced protein and sulfur amino acid content. <i>Plant Science</i> , <b>2021</b> , 308, 110912	5.3	3
136	Utilization of tofu processing wastewater as a source of the bioactive peptide lunasin. <i>Food Chemistry</i> , <b>2021</b> , 362, 130220	8.5	3
135	Interactions of gene expression, alternative splicing, and DNA methylation in determining nodule identity. <i>Plant Journal</i> , <b>2020</b> , 103, 1744-1766	6.9	8
134	Soybean Mutants Lacking Abundant Seed Storage Proteins Are Impaired in Mobilization of Storage Reserves and Germination. <i>ACS Omega</i> , <b>2020</b> , 5, 8065-8075	3.9	3
133	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. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	7
132	Overexpression of ATP sulfurylase improves the sulfur amino acid content, enhances the accumulation of Bowman-Birk protease inhibitor and suppresses the accumulation of the B subunit of Conglycinin in soybean seeds. <i>Scientific Reports</i> , <b>2020</b> , 10, 14989	4.9	5
131	Proteomic Profiling of Fast Neutron-Induced Soybean Mutant Unveiled Pathways Associated with Increased Seed Protein Content. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 3936-3944	5.6	6
130	Proteomic Comparison of Three Extraction Methods Reveals the Abundance of Protease Inhibitors in the Seeds of Grass Pea, a Unique Orphan Legume. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 10296-10305	5.7	1
129	BG-4 from Bitter Gourd () Differentially Affects Inflammation In Vitro and In Vivo. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	2
128	Biochemical and Anatomical Investigation of (Mill.) McVaugh Nodules Grown under Flooded and Non-Flooded Conditions. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	7
127	Classical Soybean () Symbionts, USDA191 and USDA110, Reveal Contrasting Symbiotic Phenotype on Pigeon Pea ( (L.) Millsp). <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	3
126	Quantitative Proteomic Analysis of Low Linolenic Acid Transgenic Soybean Reveals Perturbations of Fatty Acid Metabolic Pathways. <i>Proteomics</i> , <b>2019</b> , 19, e1800379	4.8	10

125	Originating from Different Geographical Regions Reveals Striking Differences in Kunitz and Bowman-Birk Inhibitor Activities. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 8119-8129	5.7	7
124	Impact of co-expression of maize 11 and 18 kDa $\beta$ zeins and 27 kDa $\beta$ zein in transgenic soybeans on protein body structure and sulfur amino acid content. <i>Plant Science</i> , <b>2019</b> , 280, 340-347	5.3	5
123	BG-4, a novel bioactive peptide from momordica charantia, inhibits lipopolysaccharide-induced inflammation in THP-1 human macrophages. <i>Phytomedicine</i> , <b>2018</b> , 42, 226-232	6.5	17
122	Review: The promise and limits for enhancing sulfur-containing amino acid content of soybean seed. <i>Plant Science</i> , <b>2018</b> , 272, 14-21	5.3	33
121	Impact of overexpression of cytosolic isoform of O-acetylserine sulfhydrylase on soybean nodulation and nodule metabolome. <i>Scientific Reports</i> , <b>2018</b> , 8, 2367	4.9	8
120	Genomewide association study of ionomic traits on diverse soybean populations from germplasm collections. <i>Plant Direct</i> , <b>2018</b> , 2, e00033	3.3	16
119	Development and Characterization of a Soybean Experimental Line Lacking the $\beta$ Subunit of $\beta$ Conglycinin and G1, G2, and G4 Glycinin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 432-439	5.7	5
118	Identification and Characterization of $\beta$ Lathyrin, an Abundant Glycoprotein of Grass Pea ( <i>Lathyrus sativus</i> L.), as a Potential Allergen. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 8496-8503	5.7	9
117	Transcriptomic Profiling of <i>Lathyrus sativus</i> L. Metabolism of $\beta$ ODAP, a Neuroexcitatory Amino Acid Associated with Neurodegenerative Lower Limb Paralysis. <i>Plant Molecular Biology Reporter</i> , <b>2018</b> , 36, 832-843	1.7	10
116	Proteomic Analysis of Pigeonpea ( <i>Cajanus cajan</i> ) Seeds Reveals the Accumulation of Numerous Stress-Related Proteins. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 4572-4581	5.7	28
115	Whole-Genome Resequencing Identifies the Molecular Genetic Cause for the Absence of a Gy5 Glycinin Protein in Soybean PI 603408. <i>G3: Genes, Genomes, Genetics</i> , <b>2017</b> , 7, 2345-2352	3.2	5
114	Metabolomics Approach To Understand Mechanisms of $\beta$ N-Oxalyl-L- $\beta$ diaminopropionic Acid ( $\beta$ ODAP) Biosynthesis in Grass Pea ( <i>Lathyrus sativus</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 10206-10213	5.7	12
113	$\beta$ N-Oxalyl-L- $\beta$ diaminopropionic Acid ( $\beta$ ODAP) Content in <i>Lathyrus sativus</i> : The Integration of Nitrogen and Sulfur Metabolism through $\beta$ Cyanoalanine Synthase. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	31
112	Kunitz trypsin inhibitor in addition to Bowman-Birk inhibitor influence stability of lunasin against pepsin-pancreatin hydrolysis. <i>Food Research International</i> , <b>2016</b> , 90, 205-215	7	16
111	BG-4, a novel anticancer peptide from bitter gourd ( <i>Momordica charantia</i> ), promotes apoptosis in human colon cancer cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 33532	4.9	43
110	Soy and Gut Microbiota: Interaction and Implication for Human Health. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 8695-8709	5.7	70
109	Impact of heat stress during seed development on soybean seed metabolome. <i>Metabolomics</i> , <b>2016</b> , 12, 1	4.7	64
108	Immunological Investigation for the Presence of Lunasin, a Chemopreventive Soybean Peptide, in the Seeds of Diverse Plants. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 2901-9	5.7	8

107	The Absence of the N-acyl-homoserine-lactone Autoinducer Synthase Genes and Increases the Copy Number of the Symbiotic Plasmid in NGR234. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1858	5.7	6
106	Transcriptome Profile of Near-Isogenic Soybean Lines for $\beta$ -Conglycinin $\beta$ -Subunit Deficiency during Seed Maturation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159723	3.7	8
105	Characterization of Seed Storage Proteins of Several Perennial Glycine Species. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 8499-8508	5.7	9
104	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. <i>Molecular Plant-Microbe Interactions</i> , <b>2016</b> , 29, 862-877	3.6	9
103	An effective and simple procedure to isolate abundant quantities of biologically active chemopreventive Lunasin Protease Inhibitor Concentrate (LPIC) from soybean. <i>Food Chemistry</i> , <b>2015</b> , 177, 120-6	8.5	9
102	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. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 2862-9	5.7	8
101	Metabolomic profiling from leaves and roots of tomato ( <i>Solanum lycopersicum</i> L.) plants grown under nitrogen, phosphorus or potassium-deficient condition. <i>Plant Science</i> , <b>2015</b> , 241, 55-64	5.3	78
100	Compositional changes of selected amino acids, organic acids, and soluble sugars in the xylem sap of N, P, or K-deficient tomato plants. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2015</b> , 178, 792-797	2.3	20
99	Improving the Sulfur-Containing Amino Acids of Soybean to Enhance its Nutritional Value in Animal Feed. <i>Agronomy</i> , <b>2015</b> , 235-249	0.8	2
98	Evaluation and Development of Low-Phytate Crops. <i>Agronomy</i> , <b>2015</b> , 177-200	0.8	5
97	Nodulation Genes and Type III Secretion Systems in Rhizobia. <i>Agronomy</i> , <b>2015</b> , 65-94	0.8	
96	Nodulation outer proteins: double-edged swords of symbiotic rhizobia. <i>Biochemical Journal</i> , <b>2015</b> , 470, 263-74	3.8	60
95	Identification of a new soybean kunitz trypsin inhibitor mutation and its effect on Bowman-Birk protease inhibitor content in soybean seed. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 1352-9	5.7	23
94	Symbiosomes: temporary moonlighting organelles. <i>Biochemical Journal</i> , <b>2014</b> , 460, 1-11	3.8	24
93	Structure and mechanism of soybean ATP sulfurylase and the committed step in plant sulfur assimilation. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 10919-10929	5.4	34
92	RNA sequencing analysis of the broad-host-range strain <i>Sinorhizobium fredii</i> NGR234 identifies a large set of genes linked to quorum sensing-dependent regulation in the background of a <i>tral</i> and <i>ngl</i> deletion mutant. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 5655-71	4.8	26
91	Effects of proteome rebalancing and sulfur nutrition on the accumulation of methionine rich $\beta$ -zein in transgenic soybeans. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 633	6.2	23
90	Structural basis for regulation of rhizobial nodulation and symbiosis gene expression by the regulatory protein NodR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 6509-14	11.5	16

89	A nopA deletion mutant of <i>Sinorhizobium fredii</i> USDA257, a soybean symbiont, is impaired in nodulation. <i>Current Microbiology</i> , <b>2014</b> , 68, 239-46	2.4	13
88	Identification of a plant introduction soybean line with genetic lesions affecting two distinct glycinin subunits and evaluation of impacts on protein content and composition. <i>Molecular Breeding</i> , <b>2013</b> , 32, 291-298	3.4	11
87	Identification of an abundant 56 kDa protein implicated in food allergy as granule-bound starch synthase. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 5404-9	5.7	13
86	Structure of soybean serine acetyltransferase and formation of the cysteine regulatory complex as a molecular chaperone. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 36463-72	5.4	25
85	Transgenic soybean plants overexpressing O-acetylserine sulfhydrylase accumulate enhanced levels of cysteine and Bowman-Birk protease inhibitor in seeds. <i>Planta</i> , <b>2012</b> , 235, 13-23	4.7	49
84	Imbibition of soybean seeds in warm water results in the release of copious amounts of Bowman-Birk protease inhibitor, a putative anticarcinogenic agent. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 3135-43	5.7	27
83	Accumulation of Leginsulin, a Hormone-Like Bioactive Peptide, is Drastically Higher in Asian than in North American Soybean Accessions. <i>Crop Science</i> , <b>2012</b> , 52, 262-271	2.4	8
82	Growing Location has a Pronounced Effect on the Accumulation of Cancer Chemopreventive Agent Bowman-Birk Inhibitor in Soybean Seeds. <i>Crop Science</i> , <b>2012</b> , 52, 1786-1794	2.4	10
81	Complete genome sequence of the broad-host-range strain <i>Sinorhizobium fredii</i> USDA257. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4483	3.5	35
80	Proteomic analysis of high protein soybean ( <i>Glycine max</i> ) accessions demonstrates the contribution of novel glycinin subunits. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2432-9	5.7	29
79	Protein and metabolite composition of xylem sap from field-grown soybeans ( <i>Glycine max</i> ). <i>Planta</i> , <b>2011</b> , 233, 921-31	4.7	45
78	Biofortification of soybean meal: immunological properties of the 27 kDa Ezein. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 1223-8	5.7	18
77	Characterization of allergens isolated from the freshwater fish blunt snout bream ( <i>Megalobrama amblycephala</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 458-63	5.7	41
76	Distinct cell surface appendages produced by <i>Sinorhizobium fredii</i> USDA257 and <i>S. fredii</i> USDA191, cultivar-specific and nonspecific symbionts of soybean. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 6240-8	4.8	6
75	The protective effect of soybean phytochemicals on androgen responsive human prostate cancer cells LNCaP is likely mediated through modulation of hormone/cytokine-dependent pathways. <i>Functional Foods in Health and Disease</i> , <b>2011</b> , 1, 457	2.5	2
74	The Lack of Beta-amylase Activity in Soybean Cultivar Altona sp 1 is Associated with a 1.2 kb Deletion in the 5' Region of Beta-amylase I Gene. <i>Crop Science</i> , <b>2010</b> , 50, 1942-1949	2.4	3
73	Disruption of the glycine cleavage system enables <i>Sinorhizobium fredii</i> USDA257 to form nitrogen-fixing nodules on agronomically improved North American soybean cultivars. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 4185-93	4.8	7
72	Translocation of NopP by <i>Sinorhizobium fredii</i> USDA257 into <i>Vigna unguiculata</i> root nodules. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 3758-61	4.8	29

71	R gene-controlled host specificity in the legume-rhizobia symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 18735-40	11.5	213
70	Threonine-insensitive homoserine dehydrogenase from soybean: genomic organization, kinetic mechanism, and in vivo activity. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 827-34	5.4	14
69	Maize 27 kDa gamma-zein is a potential allergen for early weaned pigs. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 7323-8	5.7	19
68	From sulfur to homogluthathione: thiol metabolism in soybean. <i>Amino Acids</i> , <b>2010</b> , 39, 963-78	3.5	48
67	Assembly of the cysteine synthase complex and the regulatory role of protein-protein interactions. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 10268-75	5.4	62
66	Biocontrol ability of <i>Lysobacter antibioticus</i> HS124 against <i>Phytophthora</i> blight is mediated by the production of 4-hydroxyphenylacetic acid and several lytic enzymes. <i>Current Microbiology</i> , <b>2009</b> , 59, 608-14	3.4	59
65	A rapid and simple procedure for the depletion of abundant storage proteins from legume seeds to advance proteome analysis: a case study using <i>Glycine max</i> . <i>Proteomics</i> , <b>2009</b> , 9, 3174-88	4.8	75
64	Nodulation of <i>Sesbania</i> species by <i>Rhizobium</i> ( <i>Agrobacterium</i> ) strain IRBG74 and other rhizobia. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 2510-25	5.2	81
63	A rapid method for depletion of Rubisco from soybean ( <i>Glycine max</i> ) leaf for proteomic analysis of lower abundance proteins. <i>Phytochemistry</i> , <b>2009</b> , 70, 1958-64	4	52
62	An efficient extraction method to enhance analysis of low abundant proteins from soybean seed. <i>Analytical Biochemistry</i> , <b>2009</b> , 394, 259-68	3.1	52
61	All three subunits of soybean beta-conglycinin are potential food allergens. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 938-43	5.7	133
60	Regulatory Protein-Protein Interactions in Primary Metabolism: The Case of the Cysteine Synthase Complex <b>2008</b> , 97-109		3
59	Modification of soybean seed composition through biotechnology to enhance their value in animal feeds. <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S215	3.7	
58	Preparative procedures markedly influence the appearance and structural integrity of protein storage vacuoles in soybean seeds. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 2907-12	5.7	8
57	Interspecific rice hybrid of <i>Oryza sativa</i> x <i>Oryza nivara</i> reveals a significant increase in seed protein content. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 476-82	5.7	28
56	Identification of several <i>gy4</i> nulls from the USDA soybean germplasm collection provides new genetic resources for the development of high-quality tofu cultivars. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 11320-6	5.7	11
55	Quantitative conversion of phytate to inorganic phosphorus in soybean seeds expressing a bacterial phytase. <i>Plant Physiology</i> , <b>2008</b> , 146, 468-77	6.6	56
54	Functional <i>nodFE</i> genes are present in <i>Sinorhizobium</i> sp. strain MUS10, a symbiont of the tropical legume <i>Sesbania rostrata</i> . <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 2921-3	4.8	4



53	The role of 5'-adenylylsulfate reductase in the sulfur assimilation pathway of soybean: molecular cloning, kinetic characterization, and gene expression. <i>Phytochemistry</i> , <b>2008</b> , 69, 356-64	4	29
52	Inactivation of pqq genes of <i>Enterobacter intermedium</i> 60-2G reduces antifungal activity and induction of systemic resistance. <i>FEMS Microbiology Letters</i> , <b>2008</b> , 282, 140-6	2.9	32
51	Identification, characterization, epitope mapping, and three-dimensional modeling of the alpha-subunit of beta-conglycinin of soybean, a potential allergen for young pigs. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 4014-20	5.7	45
50	Calcium regulates the production of nodulation outer proteins (Nops) and precludes pili formation by <i>Sinorhizobium fredii</i> USDA257, a soybean symbiont. <i>FEMS Microbiology Letters</i> , <b>2007</b> , 271, 59-64	2.9	7
49	<i>Rhizobium etli</i> USDA9032 engineered to produce a phenazine antibiotic inhibits the growth of fungal pathogens but is impaired in symbiotic performance. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 327-30	4.8	28
48	Identification of glycinin and beta-conglycinin subunits that contribute to the increased protein content of high-protein soybean lines. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 1839-45	5.7	44
47	<i>Rhizobium-legume</i> symbioses: molecular signals elaborated by rhizobia that are important for nodulation <b>2007</b> , 57-104		2
46	Identification of a functional 2-keto-myo-inositol dehydratase gene of <i>Sinorhizobium fredii</i> USDA191 required for myo-inositol utilization. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2006</b> , 70, 2957-64	2.1	4
45	Effect of six decades of selective breeding on soybean protein composition and quality: a biochemical and molecular analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 3916-22	5.7	39
44	Assessment of indigenous Nepalese soybean as a potential germplasm resource for improvement of protein in North American cultivars. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 5489-97	5.7	9
43	Soybean ATP sulfurylase, a homodimeric enzyme involved in sulfur assimilation, is abundantly expressed in roots and induced by cold treatment. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 450, 20-9	4.1	46
42	Y4xP, an open reading frame located in a type III protein secretion system locus of <i>Sinorhizobium fredii</i> USDA257 and USDA191, encodes cysteine synthase. <i>Molecular Plant-Microbe Interactions</i> , <b>2006</b> , 19, 635-43	3.6	3
41	Control of Late Blight ( <i>Phytophthora capsici</i> ) in Pepper Plant with a Compost Containing Multitude of Chitinase-producing Bacteria. <i>BioControl</i> , <b>2006</b> , 51, 339-351	2.3	21
40	Nitrogen lowers the sulfur amino acid content of soybean ( <i>Glycine max</i> [L.] Merr.) by regulating the accumulation of Bowman-Birk protease inhibitor. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 6347-54	5.7	32
39	Engineering Soybean for Enhanced Sulfur Amino Acid Content. <i>Crop Science</i> , <b>2005</b> , 45, 454-461	2.4	112
38	NopA is associated with cell surface appendages produced by the type III secretion system of <i>Rhizobium</i> sp. strain NGR234. <i>Molecular Plant-Microbe Interactions</i> , <b>2005</b> , 18, 499-507	3.6	47
37	Characterization of NopP, a type III secreted effector of <i>Rhizobium</i> sp. strain NGR234. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 4774-80	3.5	68
36	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. <i>Plant Biotechnology Journal</i> , <b>2004</b> , 2, 199-210	11.6	43

35	Sulfur assimilation in soybean ( <i>Glycine max</i> [L.] Merr.): molecular cloning and characterization of a cytosolic isoform of serine acetyltransferase. <i>Planta</i> , <b>2004</b> , 218, 417-26	4.7	27
34	Accumulation of genistein and daidzein, soybean isoflavones implicated in promoting human health, is significantly elevated by irrigation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 7574-9	5.7	74
33	NopB, a soybean cultivar-specificity protein from <i>Sinorhizobium fredii</i> USDA257, is a type III secreted protein. <i>Molecular Plant-Microbe Interactions</i> , <b>2004</b> , 17, 1259-68	3.6	37
32	Citrate synthase mutants of <i>Sinorhizobium fredii</i> USDA257 form ineffective nodules with aberrant ultrastructure. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 3561-8	4.8	8
31	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 <i>Sinorhizobium fredii</i> USDA257. <i>Molecular Plant-Microbe Interactions</i> , <b>2003</b> , 16, 617-25	3.6	102
30	Characterization of Nops, nodulation outer proteins, secreted via the type III secretion system of NGR234. <i>Molecular Plant-Microbe Interactions</i> , <b>2003</b> , 16, 743-51	3.6	114
29	Sulfur Assimilation in Soybean. <i>Crop Science</i> , <b>2003</b> , 43, 1819-1827	2.4	24
28	Allelic variation and differential expression of methionine-rich delta-zeins in maize inbred lines B73 and W23a1. <i>Planta</i> , <b>2003</b> , 217, 66-74	4.7	13
27	A four-nucleotide base-pair deletion in the coding region of the Bowman-Birk protease inhibitor gene prevents its accumulation in the seeds of <i>Glycine microphylla</i> PI440956. <i>Planta</i> , <b>2003</b> , 217, 523-7	4.7	5
26	Molecular aspects of soybean cultivar-specific nodulation by <i>Sinorhizobium fredii</i> USDA257. <i>Indian Journal of Experimental Biology</i> , <b>2003</b> , 41, 1114-23		6
25	NolX of <i>Sinorhizobium fredii</i> USDA257, a type III-secreted protein involved in host range determination, is localized in the infection threads of cowpea ( <i>Vigna unguiculata</i> [L.] Walp) and soybean ( <i>Glycine max</i> [L.] Merr.) nodules. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 831-9	3.5	49
24	Making Rice a Perfect Food. <i>The Journal of Crop Improvement: Innovations in Practiceory and Research</i> , <b>2002</b> , 5, 93-130		4
23	Biochemistry and Molecular Biology of Soybean Seed Storage Proteins. <i>Journal of New Seeds</i> , <b>2001</b> , 2, 1-25		61
22	Characterization of a soybean. <i>Plant Science</i> , <b>2001</b> , 160, 979-986	5.3	24
21	Seed storage protein composition of non-nodulating soybean ( <i>Glycine max</i> (L.) Merr.) and its influence on protein quality. <i>Plant Science</i> , <b>2000</b> , 157, 191-199	5.3	23
20	Characterization of High-Lysine Mutants of Rice. <i>Crop Science</i> , <b>1999</b> , 39, 825-831	2.4	9
19	Expression of genes from <i>Rahnella aquatilis</i> that are necessary for mineral phosphate solubilization in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , <b>1998</b> , 159, 121-7	2.9	65
18	Ineffective nodulation of <i>Sesbania macrocarpa</i> by <i>Sinorhizobium meliloti</i> strain RCR2011. <i>FEMS Microbiology Letters</i> , <b>1998</b> , 165, 207-214	2.9	2



17	Release of flavonoids by the soybean cultivars McCall and peking and their perception as signals by the nitrogen-fixing symbiont <i>sinorhizobium fredii</i> . <i>Plant Physiology</i> , <b>1998</b> , 117, 599-606	6.6	61
16	Identification of Genistein, an Anticarcinogenic Compound, in the Edible Tubers of the American Groundnut ( <i>Apios americana</i> Medikus). <i>Crop Science</i> , <b>1998</b> , 38, 1052-1056	2.4	29
15	Protein Body Formation and Immunocytochemical Localization of Globulins and Glutelins in Developing Rice ( <i>Oryza sativa</i> L.) Embryos. <i>Crop Science</i> , <b>1997</b> , 37, 932-939	2.4	2
14	<i>Rhizobium fredii</i> synthesizes an array of lipooligosaccharides, including a novel compound with glucose inserted into the backbone of the molecule. <i>FEBS Letters</i> , <b>1996</b> , 393, 273-9	3.8	30
13	Transcriptional organization and expression of <i>noIXWBTUV</i> , a locus that regulates cultivar-specific nodulation of soybean by <i>Rhizobium fredii</i> USDA257. <i>Molecular Microbiology</i> , <b>1995</b> , 17, 923-33	4.1	41
12	A new root-nodulating symbiont of the tropical legume <i>Sesbania</i> , <i>Rhizobium</i> sp. SIN-1, is closely related to <i>R. galegae</i> , a species that nodulates temperate legumes. <i>FEMS Microbiology Letters</i> , <b>1995</b> , 134, 19-25	2.9	22
11	Cultivar-specificity genes of the nitrogen-fixing soybean symbiont, <i>Rhizobium fredii</i> USDA257, also regulate nodulation of <i>Erythrina</i> SPP.. <i>American Journal of Botany</i> , <b>1994</b> , 81, 38-45	2.7	8
10	Host range, RFLP, and antigenic relationships between <i>Rhizobium fredii</i> strains and <i>Rhizobium</i> sp. NGR234. <i>Plant and Soil</i> , <b>1994</b> , 161, 21-29	4.2	20
9	Cultivar-specificity genes of the nitrogen-fixing soybean symbiont, <i>Rhizobium fredii</i> USDA257, also regulate nodulation of <i>Erythrina</i> SPP. <b>1994</b> , 81, 38		7
8	Purification, partial characterization, and subcellular localization of a 38 kilodalton, calcium-regulated protein of <i>Rhizobium fredii</i> USDA208. <i>Archives of Microbiology</i> , <b>1993</b> , 159, 250-6	3	3
7	Flavonoid inducers of nodulation genes stimulate <i>Rhizobium fredii</i> USDA257 to export proteins into the environment. <i>Molecular Plant-Microbe Interactions</i> , <b>1993</b> , 6, 107-13	3.6	41
6	Characterization and localization of rice ( <i>Oryza sativa</i> L.) seed globulins. <i>Plant Science</i> , <b>1992</b> , 81, 1-11	5.3	69
5	Inactivation of <i>nodC</i> Conditions Developmental Abnormalities in Nodulation of Peking Soybean by <i>Rhizobium fredii</i> USDA257. <i>Molecular Plant-Microbe Interactions</i> , <b>1992</b> , 5, 14	3.6	14
4	Sequence and analysis of the <i>nodABC</i> region of <i>Rhizobium fredii</i> USDA257, a nitrogen-fixing symbiont of soybean and other legumes. <i>Molecular Plant-Microbe Interactions</i> , <b>1991</b> , 4, 512-20	3.6	45
3	Ca <sup>2+</sup> -dependent in vitro phosphorylation of soluble proteins from germinating wheat ( <i>Triticum turgidum</i> ) endosperm. <i>Physiologia Plantarum</i> , <b>1988</b> , 72, 747-754	4.6	6
2	Structural Relationship among the Rice Glutelin Polypeptides. <i>Plant Physiology</i> , <b>1986</b> , 81, 748-53	6.6	71
1	Genome-Wide Association Study of Ionomic Traits on Diverse Soybean Populations from Germplasm Collections		1