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	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
2	All Three Subunits of Soybean Î²-Conglycinin Are Potential Food Allergens. Journal of Agricultural and Food Chemistry, 2009, 57, 938-943.	5.2	160
3	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
4	Engineering Soybean for Enhanced Sulfur Amino Acid Content. Crop Science, 2005, 45, 454-461.	1.8	134
5	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
6	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
7	Nodulation of Sesbania species by Rhizobium (Agrobacterium) strain IRBG74 and other rhizobia. Environmental Microbiology, 2009, 11, 2510-2525.	3.8	120
8	Nodulation outer proteins: double-edged swords of symbiotic rhizobia. Biochemical Journal, 2015, 470, 263-274.	3.7	117
9	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
10	Soy and Gut Microbiota: Interaction and Implication for Human Health. Journal of Agricultural and Food Chemistry, 2016, 64, 8695-8709.	5.2	92
11	Characterization of NopP, a Type III Secreted Effector of Rhizobium sp. Strain NGR234. Journal of Bacteriology, 2004, 186, 4774-4780.	2.2	89
12	Impact of heat stress during seed development on soybean seed metabolome. Metabolomics, 2016, 12, 1.	3.0	89
13	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
14	Structural Relationship among the Rice Glutelin Polypeptides. Plant Physiology, 1986, 81, 748-753.	4.8	85
15	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
16	Biochemistry and Molecular Biology of Soybean Seed Storage Proteins. Journal of New Seeds, 2001, 2, 1-25.	0.3	78
17	Characterization and localization of rice (Oryza sativa L.) seed globulins. Plant Science, 1992, 81, 1-11.	3.6	76
18	Expression of genes fromRahnella aquatilisthat are necessary for mineral phosphate solubilization inEscherichia coli. FEMS Microbiology Letters, 1998, 159, 121-127.	1.8	72

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19	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
20	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
21	Quantitative Conversion of Phytate to Inorganic Phosphorus in Soybean Seeds Expressing a Bacterial Phytase. Plant Physiology, 2008, 146, 323-324.	4.8	66
22	An efficient extraction method to enhance analysis of low abundant proteins from soybean seed. Analytical Biochemistry, 2009, 394, 259-268.	2.4	64
23	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
24	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
25	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
26	Review: The promise and limits for enhancing sulfur-containing amino acid content of soybean seed. Plant Science, 2018, 272, 14-21.	3.6	61
27	From sulfur to homoglutathione: thiol metabolism in soybean. Amino Acids, 2010, 39, 963-978.	2.7	59
28	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
29	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
30	Protein and metabolite composition of xylem sap from field-grown soybeans (Glycine max). Planta, 2011, 233, 921-931.	3.2	55
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	Characterization of Allergens Isolated from the Freshwater Fish Blunt Snout Bream (Megalobrama) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.2	46
39	Complete Genome Sequence of the Broad-Host-Range Strain Sinorhizobium fredii USDA257. Journal of Bacteriology, 2012, 194, 4483-4483.	2.2	46
40	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
41	Flavonoid Inducers of Nodulation Genes StimulateRhizobium frediiUSDA257 to Export Proteins into the Environment. Molecular Plant-Microbe Interactions, 1993, 6, 107.	2.6	46
42	Transcriptional organization and expression of noIXWBTUV, a locus that regulates cultivar-specific nodulatlon of soybean by Rhizobium fredii USDA257. Molecular Microbiology, 1995, 17, 923-933.	2.5	43
43	Inactivation ofpqqgenes ofEnterobacter intermedium60-2G reduces antifungal activity and induction of systemic resistance. FEMS Microbiology Letters, 2008, 282, 140-146.	1.8	41
44	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
45	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
46	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
47	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
48	Quantitative Proteomic Analysis of Low Linolenic Acid Transgenic Soybean Reveals Perturbations of Fatty Acid Metabolic Pathways. Proteomics, 2019, 19, e1800379.	2.2	35
49	Translocation of NopP by Sinorhizobium fredii USDA257 into Vigna unguiculata Root Nodules. Applied and Environmental Microbiology, 2010, 76, 3758-3761.	3.1	34
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	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	Symbiosomes: temporary moonlighting organelles. Biochemical Journal, 2014, 460, 1-11.	3.7	30
61	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
62	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
63	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
64	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
65	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
66	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
67	Sulfur Assimilation in Soybean. Crop Science, 2003, 43, 1819-1827.	1.8	26
68	A nopA Deletion Mutant of Sinorhizobium fredii USDA257, a Soybean Symbiont, is Impaired in Nodulation. Current Microbiology, 2014, 68, 239-246.	2.2	26
69	Genomewide association study of ionomic traits on diverse soybean populations from germplasm collections. Plant Direct, 2018, 2, e00033.	1.9	26
70	Interactions of gene expression, alternative splicing, and DNA methylation in determining nodule identity. Plant Journal, 2020, 103, 1744-1766.	5.7	26
71	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
72	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

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73	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
74	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
75	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
76	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
77	Host range, RFLP, and antigenic relationships betweenRhizobium fredii strains andRhizobium sp. NGR234. Plant and Soil, 1994, 161, 21-29.	3.7	20
78	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
79	Metabolomics Approach To Understand Mechanisms of Î²-N-Oxalyl-<scp>l</scp>-Î±,Î²-diaminopropionic Acid (Î²-ODAP) Biosynthesis in Grass Pea (Lathyrus) Tj ETQq1 1 0.784314 rgBT	5.2	18
80	Threonine-insensitive Homoserine Dehydrogenase from Soybean. Journal of Biological Chemistry, 2010, 285, 827-834.	3.4	17
81	Transcriptome Profile of Near-Isogenic Soybean Lines for Î²-Conglycinin Î±-Subunit Deficiency during Seed Maturation. PLoS ONE, 2016, 11, e0159723.	2.5	17
82	Inactivation ofnolCConditions Developmental Abnormalities in Nodulation of Peking Soybean byRhizobium frediiUSDA257. Molecular Plant-Microbe Interactions, 1992, 5, 14.	2.6	16
83	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
84	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
85	Identification and Characterization of Î²-Lathyrin, an Abundant Glycoprotein of Grass Pea (Lathyrus) Tj ETQq1 1 0.784314 rgBT /Over	5.2	15
86	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
87	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
88	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
89	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
90	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

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91	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
92	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
93	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
94	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
95	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
96	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
97	Characterization of Seed Storage Proteins of Several Perennial Glycine Species. Journal of Agricultural and Food Chemistry, 2016, 64, 8499-8508.	5.2	11
98	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
99	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
100	Development of soybean experimental lines with enhanced protein and sulfur amino acid content. Plant Science, 2021, 308, 110912.	3.6	11
101	Utilization of tofu processing wastewater as a source of the bioactive peptide lunasin. Food Chemistry, 2021, 362, 130220.	8.2	11
102	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
103	Characterization of Highâ€Lysine Mutants of Rice. Crop Science, 1999, 39, 825-831.	1.8	10
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. Molecular Plant-Microbe Interactions, 2016, 29, 862-877.	2.6	10
105	Impact of overexpression of cytosolic isoform of O-acetylserine sulfhydrylase on soybean nodulation and nodule metabolome. Scientific Reports, 2018, 8, 2367.	3.3	10
106	Citrate Synthase Mutants of Sinorhizobium fredii USDA257 Form Ineffective Nodules with Aberrant Ultrastructure. Applied and Environmental Microbiology, 2003, 69, 3561-3568.	3.1	9
107	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
108	Evaluation and Development of Low-Phytate Crops. Agronomy, 0, , 177-200.	0.2	9

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109	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
110	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
111	BG-4 from Bitter Gourd (Momordica charantia) Differentially Affects Inflammation In Vitro and In Vivo. Antioxidants, 2019, 8, 175.	5.1	9
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	Ca2+-dependent in vitro phosphorylation of soluble proteins from germinating wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock	5.2	6
120	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
121	Molecular aspects of soybean cultivar-specific nodulation by Sinorhizobium fredii USDA257. Indian Journal of Experimental Biology, 2003, 41, 1114-23.	0.0	6
122	Making Rice a Perfect Food. The Journal of Crop Improvement: Innovations in Practiceory and Research, 2002, 5, 93-130.	0.4	5
123	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
124	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
125	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
126	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

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127	Regulatory Protein-Protein Interactions in Primary Metabolism: The Case of the Cysteine Synthase Complex. , 2008, , 97-109.		4
128	Title: Hypermethylation of miRNA Genes During Nodule Development. Frontiers in Molecular Biosciences, 2021, 8, 616623.	3.5	4
129	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
130	Rhizobium-legume symbioses: molecular signals elaborated by rhizobia that are important for nodulati. , 2007, , 57-104.		3
131	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
132	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
133	Improving the Sulfur-Containing Amino Acids of Soybean to Enhance its Nutritional Value in Animal Feed. Agronomy, 0, , 235-249.	0.2	3
134	Protein profiling of fast neutron soybean mutant seeds reveals differential accumulation of seed and iron storage proteins. Phytochemistry, 2022, 200, 113214.	2.9	3
135	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
136	Ineffective nodulation ofSesbania macrocarpabySinorhizobium melilotistrain RCR2011. FEMS Microbiology Letters, 1998, 165, 207-214.	1.8	2
137	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
138	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
139	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
140	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
141	Modification of soybean seed composition through biotechnology to enhance their value in animal feeds. Journal of Biotechnology, 2008, 136, S215.	3.8	0
142	Nodulation Genes and Type III Secretion Systems in Rhizobia. Agronomy, 2015, , 65-94.	0.2	0
143	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
144	Quantitative proteomic analyses reveal the dynamics of protein and amino acid accumulation during soybean seed development. Proteomics, 2021, , 2100143.	2.2	0