

Bertrand Hirel

List of Publications by Year in descending order

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119
papers

9,482
citations

41627

51
h-index

45040

94
g-index

124
all docs

124
docs citations

124
times ranked

6990
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissecting the metabolic reprogramming of maize root under nitrogen-deficient stress conditions. <i>Journal of Experimental Botany</i> , 2022, 73, 275-291.	2.4	12
2	A revised view on the evolution of glutamine synthetase isoenzymes in plants. <i>Plant Journal</i> , 2022, 110, 946-960.	2.8	10
3	Amino Acids Nitrogen Utilization in Plants Biological and Agronomic Importance. , 2021, , 127-140.		11
4	Scientific contributions of Pierre Gadal and his lab – A tribute to Pierre Gadal (1938 – 2019). <i>Advances in Botanical Research</i> , 2021, , 41-127.	0.5	0
5	Impacts of environmental conditions, and allelic variation of cytosolic glutamine synthetase on maize hybrid kernel production. <i>Communications Biology</i> , 2021, 4, 1095.	2.0	8
6	In Winter Wheat (<i>Triticum Aestivum</i> L.), No-Till Improves Photosynthetic Nitrogen and Water-Use Efficiency. <i>Journal of Crop Science and Biotechnology</i> , 2020, 23, 39-46.	0.7	8
7	Screening for durum wheat (<i>Triticum durum</i> Desf.) cultivar resistance to drought stress using an integrated physiological approach. <i>Journal of Crop Science and Biotechnology</i> , 2020, 23, 355-365.	0.7	6
8	Beneficial soil-borne bacteria and fungi: a promising way to improve plant nitrogen acquisition. <i>Journal of Experimental Botany</i> , 2020, 71, 4469-4479.	2.4	56
9	NADH-GOGAT Overexpression Does Not Improve Maize (<i>Zea mays</i> L.) Performance Even When Pyramiding with NAD-IDH, GDH and GS. <i>Plants</i> , 2020, 9, 130.	1.6	27
10	Identification of Phenotypic and Physiological Markers of Salt Stress Tolerance in Durum Wheat (<i>Triticum Durum</i> Desf.) through Integrated Analyses. <i>Agronomy</i> , 2019, 9, 844.	1.3	13
11	Variability for Nitrogen Management in Genetically-Distant Maize (<i>Zea mays</i> L.) Lines: Impact of Post-Silking Nitrogen Limiting Conditions. <i>Agronomy</i> , 2018, 8, 309.	1.3	3
12	Genomics of Nitrogen Use Efficiency in Maize: From Basic Approaches to Agronomic Applications. <i>Compendium of Plant Genomes</i> , 2018, , 259-286.	0.3	5
13	Labeling Maize (<i>Zea mays</i> L.) Leaves with $^{15}\text{NH}_4^+$ and Monitoring Nitrogen Incorporation into Amino Acids by GC/MS Analysis. <i>Current Protocols in Plant Biology</i> , 2018, 3, e20073.	2.8	9
14	Exploiting the Genetic Diversity of Maize Using a Combined Metabolomic, Enzyme Activity Profiling, and Metabolic Modeling Approach to Link Leaf Physiology to Kernel Yield. <i>Plant Cell</i> , 2017, 29, 919-943.	3.1	57
15	Agricultural practices to improve nitrogen use efficiency through the use of arbuscular mycorrhizae: Basic and agronomic aspects. <i>Plant Science</i> , 2017, 264, 48-56.	1.7	101
16	Investigating the Combined Effect of Tillage, Nitrogen Fertilization and Cover Crops on Nitrogen Use Efficiency in Winter Wheat. <i>Agronomy</i> , 2017, 7, 66.	1.3	15
17	Spore Density of Arbuscular Mycorrhizal Fungi is Fostered by Six Years of a No-Till System and is Correlated with Environmental Parameters in a Silty Loam Soil. <i>Agronomy</i> , 2017, 7, 38.	1.3	13
18	Metabolic profiling of two maize (<i>Zea mays</i> L.) inbred lines inoculated with the nitrogen fixing plant-interacting bacteria <i>Herbaspirillum seropedicae</i> and <i>Azospirillum brasilense</i> . <i>PLoS ONE</i> , 2017, 12, e0174576.	1.1	67

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19	In Winter Wheat, No-Till Increases Mycorrhizal Colonization thus Reducing the Need for Nitrogen Fertilization. <i>Agronomy</i> , 2016, 6, 38.	1.3	11
20	Cover crops prevent the deleterious effect of nitrogen fertilisation on bacterial diversity by maintaining the carbon content of ploughed soil. <i>Geoderma</i> , 2016, 281, 49-57.	2.3	75
21	Breeding for increased nitrogen use efficiency: a review for wheat (<i>Triticum aestivum</i>) <i>Trends in Plant Science</i> , 2016, 11, 107-114.	1.0	164
22	Genetic variability of the phloem sap metabolite content of maize (<i>Zea mays</i> L.) during the kernel-filling period. <i>Plant Science</i> , 2016, 252, 347-357.	1.7	26
23	Conversion to No-Till Improves Maize Nitrogen Use Efficiency in a Continuous Cover Cropping System. <i>PLoS ONE</i> , 2016, 11, e0164234.	1.1	24
24	Resolving the Role of Plant NAD-Glutamate Dehydrogenase: III. Overexpressing Individually or Simultaneously the Two Enzyme Subunits Under Salt Stress Induces Changes in the Leaf Metabolic Profile and Increases Plant Biomass Production. <i>Plant and Cell Physiology</i> , 2015, 56, 1918-1929.	1.5	41
25	An integrated metabolomics approach to the characterization of maize (<i>Zea mays</i> L.) mutants deficient in the expression of two genes encoding cytosolic glutamine synthetase. <i>BMC Genomics</i> , 2014, 15, 1005.	1.2	15
26	Assessing the Metabolic Impact of Nitrogen Availability Using a Compartmentalized Maize Leaf Genome-Scale Model. <i>Plant Physiology</i> , 2014, 166, 1659-1674.	2.3	80
27	Nitrogen-use efficiency in maize (<i>Zea mays</i> L.): from 'omics' studies to metabolic modelling. <i>Journal of Experimental Botany</i> , 2014, 65, 5657-5671.	2.4	80
28	Further insights into the isoenzyme composition and activity of glutamate dehydrogenase in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e23329.	1.2	22
29	Glutamate dehydrogenase isoenzyme 3 (GDH3) of <i>Arabidopsis thaliana</i> is regulated by a combined effect of nitrogen and cytokinin. <i>Plant Physiology and Biochemistry</i> , 2013, 73, 368-374.	2.8	26
30	Resolving the Role of Plant Glutamate Dehydrogenase: II. Physiological Characterization of Plants Overexpressing the Two Enzyme Subunits Individually or Simultaneously. <i>Plant and Cell Physiology</i> , 2013, 54, 1635-1647.	1.5	57
31	Characterization of a NADH-Dependent Glutamate Dehydrogenase Mutant of <i>Arabidopsis</i> Demonstrates the Key Role of this Enzyme in Root Carbon and Nitrogen Metabolism. <i>Plant Cell</i> , 2012, 24, 4044-4065.	3.1	134
32	The use of metabolomics integrated with transcriptomic and proteomic studies for identifying key steps involved in the control of nitrogen metabolism in crops such as maize. <i>Journal of Experimental Botany</i> , 2012, 63, 5017-5033.	2.4	175
33	Can genetic variability for nitrogen metabolism in the developing ear of maize be exploited to improve yield?. <i>New Phytologist</i> , 2012, 194, 440-452.	3.5	26
34	An integrated statistical analysis of the genetic variability of nitrogen metabolism in the ear of three maize inbred lines (<i>Zea mays</i> L.). <i>Journal of Experimental Botany</i> , 2011, 62, 2309-2318.	2.4	24
35	Improving Nitrogen Use Efficiency in Crops for Sustainable Agriculture. <i>Sustainability</i> , 2011, 3, 1452-1485.	1.6	365
36	Metabolic profiling of maize mutants deficient for two glutamine synthetase isoenzymes using ¹ H-NMR-based metabolomics. <i>Phytochemical Analysis</i> , 2010, 21, 102-109.	1.2	31

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37	Analysis of amino acid metabolism in the ear of maize mutants deficient in two cytosolic glutamine synthetase isoenzymes highlights the importance of asparagine for nitrogen translocation within sink organs. <i>Plant Biotechnology Journal</i> , 2010, 8, 966-978.	4.1	71
38	Resolving the Role of Plant Glutamate Dehydrogenase. I. in vivo Real Time Nuclear Magnetic Resonance Spectroscopy Experiments. <i>Plant and Cell Physiology</i> , 2009, 50, 1761-1773.	1.5	110
39	A quantitative genetic study for elucidating the contribution of glutamine synthetase, glutamate dehydrogenase and other nitrogen-related physiological traits to the agronomic performance of common wheat. <i>Theoretical and Applied Genetics</i> , 2009, 119, 645-662.	1.8	92
40	Nitrogen metabolism in the developing ear of maize (<i>Zea mays</i>): analysis of two lines contrasting in their mode of nitrogen management. <i>New Phytologist</i> , 2009, 184, 340-352.	3.5	56
41	Gene expression, cellular localisation and function of glutamine synthetase isozymes in wheat (<i>Triticum aestivum</i> L.). <i>Plant Molecular Biology</i> , 2008, 67, 89-105.	2.0	172
42	In winter wheat (<i>Triticum aestivum</i> L.), post-anthesis nitrogen uptake and remobilisation to the grain correlates with agronomic traits and nitrogen physiological markers. <i>Field Crops Research</i> , 2007, 102, 22-32.	2.3	365
43	The challenge of improving nitrogen use efficiency in crop plants: towards a more central role for genetic variability and quantitative genetics within integrated approaches. <i>Journal of Experimental Botany</i> , 2007, 58, 2369-2387.	2.4	1,066
44	Two Cytosolic Glutamine Synthetase Isoforms of Maize Are Specifically Involved in the Control of Grain Production. <i>Plant Cell</i> , 2006, 18, 3252-3274.	3.1	416
45	Combined agronomic and physiological aspects of nitrogen management in wheat highlight a central role for glutamine synthetase. <i>New Phytologist</i> , 2006, 169, 265-278.	3.5	108
46	Rubisco synthesis, turnover and degradation: some new thoughts on an old problem. <i>New Phytologist</i> , 2006, 169, 445-448.	3.5	35
47	Modelling postsilking nitrogen fluxes in maize (<i>Zea mays</i>) using ¹⁵ N labelling field experiments. <i>New Phytologist</i> , 2006, 172, 696-707.	3.5	96
48	Effects of the overexpression of a soybean cytosolic glutamine synthetase gene (GS15) linked to organ-specific promoters on growth and nitrogen accumulation of pea plants supplied with ammonium. <i>Plant Physiology and Biochemistry</i> , 2006, 44, 543-550.	2.8	28
49	From Agronomy and Ecophysiology to Molecular Genetics for Improving Nitrogen Use Efficiency in Crops. <i>Journal of Crop Improvement</i> , 2006, 15, 213-257.	0.9	27
50	Control of the Synthesis and Subcellular Targeting of the Two GDH Genes Products in Leaves and Stems of <i>Nicotiana glauca</i> and <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2006, 47, 410-418.	1.5	44
51	Nitrogen management and senescence in two maize hybrids differing in the persistence of leaf greenness: agronomic, physiological and molecular aspects. <i>New Phytologist</i> , 2005, 167, 483-492.	3.5	67
52	Physiology of maize I: A comprehensive and integrated view of nitrogen metabolism in a C4 plant. <i>Physiologia Plantarum</i> , 2005, 124, 167-177.	2.6	67
53	Physiology of maize II: Identification of physiological markers representative of the nitrogen status of maize (<i>Zea mays</i>) leaves during grain filling. <i>Physiologia Plantarum</i> , 2005, 124, 178-188.	2.6	76
54	Changes in the Cellular and Subcellular Localization of Glutamine Synthetase and Glutamate Dehydrogenase During Flag Leaf Senescence in Wheat (<i>Triticum aestivum</i> L.). <i>Plant and Cell Physiology</i> , 2005, 46, 964-974.	1.5	88

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55	Differential change in root protein patterns of two wheat varieties under high and low nitrogen nutrition levels. <i>Plant Science</i> , 2005, 168, 81-87.	1.7	41
56	Glutamate Dehydrogenase of Tobacco Is Mainly Induced in the Cytosol of Phloem Companion Cells When Ammonia Is Provided Either Externally or Released during Photorespiration. <i>Plant Physiology</i> , 2004, 136, 4308-4317.	2.3	102
57	Variation in nitrate uptake and assimilation between two ecotypes of <i>Lotus japonicus</i> and their recombinant inbred lines. <i>Physiologia Plantarum</i> , 2004, 120, 124-131.	2.6	29
58	New insights towards the function of glutamate dehydrogenase revealed during source-sink transition of tobacco (<i>Nicotiana tabacum</i>) plants grown under different nitrogen regimes. <i>Physiologia Plantarum</i> , 2004, 120, 220-228.	2.6	106
59	Prospects for improving nitrogen use efficiency: Insights given by ¹⁵ N-labelling experiments. <i>Phytochemistry Reviews</i> , 2003, 2, 133-144.	3.1	2
60	Overexpression of a soybean cytosolic glutamine synthetase gene linked to organ-specific promoters in pea plants grown in different concentrations of nitrate. <i>Planta</i> , 2003, 216, 467-474.	1.6	60
61	Glutamate dehydrogenase in plants: is there a new story for an old enzyme?. <i>Plant Physiology and Biochemistry</i> , 2003, 41, 565-576.	2.8	153
62	Does Lowering Glutamine Synthetase Activity in Nodules Modify Nitrogen Metabolism and Growth of <i>Lotus japonicus</i> ?. <i>Plant Physiology</i> , 2003, 133, 253-262.	2.3	68
63	Improvement of Nitrogen Utilization. <i>Focus on Biotechnology</i> , 2003, , 201-220.	0.4	3
64	A Novel HMG A-Like Protein Binds Differentially to the AT-Rich Regions Located in the Far Distal and Proximal Parts of a Soybean Glutamine Synthetase Gene (GS15) Promoter. <i>Plant and Cell Physiology</i> , 2002, 43, 1006-1016.	1.5	13
65	Genetic and Physiological Analysis of Germination Efficiency in Maize in Relation to Nitrogen Metabolism Reveals the Importance of Cytosolic Glutamine Synthetase. <i>Plant Physiology</i> , 2002, 130, 1860-1870.	2.3	94
66	Diurnal changes in ammonia assimilation in transformed tobacco plants expressing ferredoxin-dependent glutamate synthase mRNA in the antisense orientation. <i>Plant Science</i> , 2002, 163, 59-67.	1.7	39
67	Photorespiration-dependent increases in phospho enol pyruvate carboxylase, isocitrate dehydrogenase and glutamate dehydrogenase in transformed tobacco plants deficient in ferredoxin-dependent glutamine- α -ketoglutarate aminotransferase. <i>Planta</i> , 2002, 214, 877-886.	1.6	56
68	Cellular and subcellular localisation of glutamine synthetase and glutamate dehydrogenase in grapes gives new insights on the regulation of carbon and nitrogen metabolism. <i>Planta</i> , 2002, 216, 245-254.	1.6	39
69	The Biochemistry, Molecular Biology, and Genetic Manipulation of Primary Ammonia Assimilation. <i>Advances in Photosynthesis and Respiration</i> , 2002, , 71-92.	1.0	17
70	Ammonia Assimilation. , 2001, , 79-99.		83
71	Towards a Better Understanding of the Genetic and Physiological Basis for Nitrogen Use Efficiency in Maize. <i>Plant Physiology</i> , 2001, 125, 1258-1270.	2.3	429
72	Glutamine and α -ketoglutarate are metabolite signals involved in nitrate reductase gene transcription in untransformed and transformed tobacco plants deficient in ferredoxin-glutamine- α -ketoglutarate aminotransferase. <i>Planta</i> , 2001, 213, 265-271.	1.6	53

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73	The challenge of remobilisation in plant nitrogen economy. A survey of physio-agronomic and molecular approaches. <i>Annals of Applied Biology</i> , 2001, 138, 69-81.	1.3	180
74	Title is missing!. <i>Plant and Soil</i> , 2000, 221, 81-93.	1.8	44
75	Leaf-specific overexpression of plastidic glutamine synthetase stimulates the growth of transgenic tobacco seedlings. <i>Planta</i> , 2000, 210, 252-260.	1.6	107
76	Immunolocalization of glutamine synthetase in senescing tobacco (<i>Nicotiana tabacum</i> L.) leaves suggests that ammonia assimilation is progressively shifted to the mesophyll cytosol. <i>Planta</i> , 2000, 211, 519-527.	1.6	85
77	Characterization of the sink/source transition in tobacco (<i>Nicotiana tabacum</i> L.) shoots in relation to nitrogen management and leaf senescence. <i>Planta</i> , 2000, 211, 510-518.	1.6	432
78	Glutamine synthetase and glutamate dehydrogenase isoforms in maize leaves: localization, relative proportion and their role in ammonium assimilation or nitrogen transport. <i>Planta</i> , 2000, 211, 800-806.	1.6	57
79	Glutamine Synthetase in the Phloem Plays a Major Role in Controlling Proline Production. <i>Plant Cell</i> , 1999, 11, 1995.	3.1	1
80	Simultaneous Expression of NAD-Dependent Isocitrate Dehydrogenase and Other Krebs Cycle Genes after Nitrate Resupply to Short-Term Nitrogen-Starved Tobacco. <i>Plant Physiology</i> , 1999, 120, 717-726.	2.3	79
81	Glutamine Synthetase in the Phloem Plays a Major Role in Controlling Proline Production. <i>Plant Cell</i> , 1999, 11, 1995-2011.	3.1	173
82	A strong constitutive positive element is essential for the ammonium-regulated expression of a soybean gene encoding cytosolic glutamine synthetase. <i>Plant Molecular Biology</i> , 1999, 39, 551-564.	2.0	22
83	Does root glutamine synthetase control plant biomass production in <i>Lotus japonicus</i> L.?. <i>Planta</i> , 1999, 209, 495-502.	1.6	69
84	Glutamine Synthetase in Higher Plants Regulation of Gene and Protein Expression from the Organ to the Cell. <i>Plant and Cell Physiology</i> , 1999, 40, 1187-1193.	1.5	154
85	Regulation of the subunit composition of plastidic glutamine synthetase of the wild-type and of the phytochrome-deficient aurea mutant of tomato by blue/UV-A- or by UV-B-light. <i>Plant Molecular Biology</i> , 1998, 37, 689-700.	2.0	12
86	Two nitrite reductase isoforms are present in tomato cotyledons and are regulated differently by UV-A or UV-B light and during plant development. <i>Planta</i> , 1998, 207, 229-234.	1.6	9
87	Influence of UV-A or UV-B light and of the nitrogen source on the induction of ferredoxin-dependent glutamate synthase in etiolated tomato cotyledons. <i>Plant Physiology and Biochemistry</i> , 1998, 36, 789-797.	2.8	8
88	The expression of the tobacco genes encoding plastidic glutamine synthetase or ferredoxin-dependent glutamate synthase does not depend on the rate of nitrate reduction, and is unaffected by suppression of photorespiration. <i>Journal of Experimental Botany</i> , 1997, 48, 1175-1184.	2.4	41
89	Manipulating the pathway of ammonia assimilation in transgenic non-legumes and legumes. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1997, 160, 283-290.	0.4	26
90	Ammonia regulated expression of a soybean gene encoding cytosolic glutamine synthetase is not conserved in two heterologous plant systems. <i>Plant Science</i> , 1997, 125, 75-85.	1.7	6

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91	Coaction of light and the nitrogen substrate in controlling the expression of the tomato genes encoding nitrite reductase and nitrate reductase. <i>Journal of Plant Physiology</i> , 1997, 151, 151-158.	1.6	10
92	A role for cytosolic glutamine synthetase in the remobilization of leaf nitrogen during water stress in tomato. <i>Physiologia Plantarum</i> , 1997, 99, 241-248.	2.6	99
93	Overexpression of a soybean gene encoding cytosolic glutamine synthetase in shoots of transgenic <i>Lotus corniculatus</i> L. plants triggers changes in ammonium assimilation and plant development. <i>Planta</i> , 1997, 201, 424-433.	1.6	132
94	Localization of tobacco cytosolic glutamine synthetase enzymes and the corresponding transcripts shows organ- and cell-specific patterns of protein synthesis and gene expression. <i>Plant Molecular Biology</i> , 1996, 31, 803-817.	2.0	83
95	Isolation of cDNAs encoding two purine biosynthetic enzymes of soybean and expression of the corresponding transcripts in roots and root nodules. <i>Plant Molecular Biology</i> , 1996, 32, 751-757.	2.0	19
96	Regulation of the subunit composition of tomato plastidic glutamine synthetase by light and the nitrogen source. <i>Planta</i> , 1996, 200, 213.	1.6	37
97	Identification of several soybean cytosolic glutamine synthetase transcripts highly or specifically expressed in nodules: expression studies using one of the corresponding genes in transgenic <i>Lotus corniculatus</i> . <i>Plant Molecular Biology</i> , 1995, 27, 1-15.	2.0	26
98	Multiple functions of promoter sequences involved in organ-specific expression and ammonia regulation of a cytosolic soybean glutamine synthetase gene in transgenic <i>Lotus corniculatus</i> . <i>Plant Journal</i> , 1993, 3, 405-414.	2.8	54
99	Subcellular and immunocytochemical localization of the enzymes involved in ammonia assimilation in mesophyll and bundle-sheath cells of maize leaves. <i>Planta</i> , 1993, 191, 129.	1.6	46
100	Metabolic and developmental control of cytosolic glutamine synthetase genes in soybean. <i>Physiologia Plantarum</i> , 1993, 89, 613-617.	2.6	6
101	Metabolic and developmental control of cytosolic glutamine synthetase genes in soybean. <i>Physiologia Plantarum</i> , 1993, 89, 613-617.	2.6	7
102	Forcing expression of a soybean root glutamine synthetase gene in tobacco leaves induces a native gene encoding cytosolic enzyme. <i>Plant Molecular Biology</i> , 1992, 20, 207-218.	2.0	45
103	Nucleotide sequence of a tobacco cDNA encoding plastidic glutamine synthetase and light inducibility, organ specificity and diurnal rhythmicity in the expression of the corresponding genes of tobacco and tomato. <i>Plant Molecular Biology</i> , 1992, 19, 367-379.	2.0	97
104	Purification and properties of tobacco ferredoxin-dependent glutamate synthase, and isolation of corresponding cDNA clones. <i>Planta</i> , 1992, 187, 266-74.	1.6	39
105	Glutamine synthetase genes are regulated by ammonia provided externally or by symbiotic nitrogen fixation. <i>EMBO Journal</i> , 1987, 6, 1167-1171.	3.5	126
106	New Artificial Electron Donors for <i>in Vitro</i> Assay of Nitrate Reductase Isolated from Cultured Tobacco Cells and Other Organisms. <i>Plant Physiology</i> , 1986, 80, 946-949.	2.3	13
107	Multiple Subunit Composition of Chloroplastic Glutamine Synthetase of <i>Nicotiana tabacum</i> L. <i>Plant Physiology</i> , 1984, 74, 448-450.	2.3	64
108	Cytosolic glutamine synthetase in higher plants. A comparative immunological study. <i>FEBS Journal</i> , 1984, 138, 63-66.	0.2	49

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109	Glutamine synthetase in ribulose 1,5-bisphosphate carboxylase/oxygenase deficient tobacco mutants in cell suspension culture. <i>Plant Cell Reports</i> , 1984, 3, 106-108.	2.8	3
110	Some regulatory properties of glutamine synthetase isoforms in a C4 plant: <i>Pennisetum americanum</i> (L.) Leeke. <i>Plant Science Letters</i> , 1983, 32, 169-175.	1.9	5
111	Immuno chemical characterization of nitrate reductase from spinach leaves and roots. <i>Biochemical and Biophysical Research Communications</i> , 1983, 113, 733-737.	1.0	14
112	Glutamine Synthetases of Higher Plants. <i>Plant Physiology</i> , 1983, 72, 22-25.	2.3	299
113	Glutamine Synthetase in Spinach Leaves. <i>Plant Physiology</i> , 1982, 69, 983-987.	2.3	71
114	A new high-performance liquid chromatography assay for glutamine synthetase and glutamate synthase in plant tissues. <i>Analytical Biochemistry</i> , 1982, 125, 24-29.	1.1	47
115	Evidence for a cytosolic-dependent light induction of chloroplastic glutamine synthetase during greening of etiolated rice leaves. <i>Planta</i> , 1982, 155, 17-23.	1.6	48
116	Glutamine synthetase isoforms in leaves of a C4 plant: <i>Sorghum vulgare</i> . <i>Physiologia Plantarum</i> , 1982, 54, 69-74.	2.6	42
117	Glutamine Synthetase Isoforms in Pea Leaves: Intracellular Localization. <i>Zeitschrift für Pflanzenphysiologie</i> , 1981, 102, 315-319.	1.4	42
118	Glutamine Synthetase in Rice. <i>Plant Physiology</i> , 1980, 66, 619-623.	2.3	197
119	Occurrence and influence of light on the relative proportions of two glutamine synthetases in rice leaves. <i>Plant Science Letters</i> , 1979, 15, 271-277.	1.9	78