

Gloria M Coruzzi

List of Publications by Year in descending order

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135
papers

13,624
citations

17405

63
h-index

22764

112
g-index

146
all docs

146
docs citations

146
times ranked

11006
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Spatiotemporal analysis identifies ABF2 and ABF3 as key hubs of endodermal response to nitrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 3.3 | 17 |
| 2 | GARP transcription factors repress Arabidopsis nitrogen starvation response via ROS-dependent and -independent pathways. <i>Journal of Experimental Botany</i> , 2021, 72, 3881-3901. | 2.4 | 27 |
| 3 | Time-Based Systems Biology Approaches to Capture and Model Dynamic Gene Regulatory Networks. <i>Annual Review of Plant Biology</i> , 2021, 72, 105-131. | 8.6 | 16 |
| 4 | ConnectTF: A platform to integrate transcription factor-gene interactions and validate regulatory networks. <i>Plant Physiology</i> , 2021, 185, 49-66. | 2.3 | 27 |
| 5 | Evolutionarily informed machine learning enhances the power of predictive gene-to-phenotype relationships. <i>Nature Communications</i> , 2021, 12, 5627. | 5.8 | 48 |
| 6 | Plant ecological genomics at the limits of life in the Atacama Desert. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 35 |
| 7 | The biology of time: dynamic responses of cell types to developmental, circadian, and environmental cues. <i>Plant Journal</i> , 2021, , . | 2.8 | 8 |
| 8 | Current status of the multinational Arabidopsis community. <i>Plant Direct</i> , 2020, 4, e00248. | 0.8 | 13 |
| 9 | Nutrient dose-responsive transcriptome changes driven by Michaelis-Menten kinetics underlie plant growth rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12531-12540. | 3.3 | 38 |
| 10 | Nitrate in 2020: Thirty Years from Transport to Signaling Networks. <i>Plant Cell</i> , 2020, 32, 2094-2119. | 3.1 | 203 |
| 11 | Transient genome-wide interactions of the master transcription factor NLP7 initiate a rapid nitrogen-response cascade. <i>Nature Communications</i> , 2020, 11, 1157. | 5.8 | 99 |
| 12 | A balancing act: how plants integrate nitrogen and water signals. <i>Journal of Experimental Botany</i> , 2020, 71, 4442-4451. | 2.4 | 53 |
| 13 | SDG8-Mediated Histone Methylation and RNA Processing Function in the Response to Nitrate Signaling. <i>Plant Physiology</i> , 2020, 182, 215-227. | 2.3 | 30 |
| 14 | OutPredict: multiple datasets can improve prediction of expression and inference of causality. <i>Scientific Reports</i> , 2020, 10, 6804. | 1.6 | 13 |
| 15 | Arabidopsis SDG8 Potentiates the Sustainable Transcriptional Induction of the Pathogenesis-Related Genes PR1 and PR2 During Plant Defense Response. <i>Frontiers in Plant Science</i> , 2020, 11, 277. | 1.7 | 36 |
| 16 | WRKY1 Mediates Transcriptional Regulation of Light and Nitrogen Signaling Pathways. <i>Plant Physiology</i> , 2019, 181, 1371-1388. | 2.3 | 22 |
| 17 | iPlant Systems Biology (iPSB): An International Network Hub in the Plant Community. <i>Molecular Plant</i> , 2019, 12, 727-730. | 3.9 | 5 |
| 18 | Water impacts nutrient dose responses genome-wide to affect crop production. <i>Nature Communications</i> , 2019, 10, 1374. | 5.8 | 19 |

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|----|---|-----|-----------|
| 19 | Network Walking charts transcriptional dynamics of nitrogen signaling by integrating validated and predicted genome-wide interactions. <i>Nature Communications</i> , 2019, 10, 1569. | 5.8 | 92 |
| 20 | The 4th Dimension of Transcriptional Networks: TIME. <i>FASEB Journal</i> , 2019, 33, 343.1. | 0.2 | 0 |
| 21 | ChIP-Seq for Genome-Wide Mapping of In Vivo TF-DNA Interactions in Arabidopsis Root Protoplasts. <i>Methods in Molecular Biology</i> , 2018, 1761, 249-261. | 0.4 | 11 |
| 22 | Temporal transcriptional logic of dynamic regulatory networks underlying nitrogen signaling and use in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6494-6499. | 3.3 | 150 |
| 23 | Changes in Gene Expression in Space and Time Orchestrate Environmentally Mediated Shaping of Root Architecture. <i>Plant Cell</i> , 2017, 29, 2393-2412. | 3.1 | 49 |
| 24 | A matter of time – How transient transcription factor interactions create dynamic gene regulatory networks. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 75-83. | 0.9 | 58 |
| 25 | Nitrate Transport, Sensing, and Responses in Plants. <i>Molecular Plant</i> , 2016, 9, 837-856. | 3.9 | 427 |
| 26 | Long-distance nitrate signaling displays cytokinin dependent and independent branches. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 226-229. | 4.1 | 57 |
| 27 | Combinatorial interaction network of transcriptomic and phenotypic responses to nitrogen and hormones in the <i>Arabidopsis thaliana</i> root. <i>Science Signaling</i> , 2016, 9, rs13. | 1.6 | 81 |
| 28 | Hit-and-Run transcription: de novo transcription initiated by a transient bZIP1 hit persists after the run. <i>BMC Genomics</i> , 2016, 17, 92. | 1.2 | 22 |
| 29 | Cross-Species Network Analysis Uncovers Conserved Nitrogen-Regulated Network Modules in Rice. <i>Plant Physiology</i> , 2015, 168, 1830-1843. | 2.3 | 50 |
| 30 | Hit-and-Run leaves its mark: Catalyst transcription factors and chromatin modification. <i>BioEssays</i> , 2015, 37, 851-856. | 1.2 | 20 |
| 31 | The histone methyltransferase SDG8 mediates the epigenetic modification of light and carbon responsive genes in plants. <i>Genome Biology</i> , 2015, 16, 79. | 3.8 | 91 |
| 32 | AtNIGT1/HRS1 integrates nitrate and phosphate signals at the Arabidopsis root tip. <i>Nature Communications</i> , 2015, 6, 6274. | 5.8 | 195 |
| 33 | From milliseconds to lifetimes: tracking the dynamic behavior of transcription factors in gene networks. <i>Trends in Genetics</i> , 2015, 31, 509-515. | 2.9 | 26 |
| 34 | Hit-and-run transcriptional control by bZIP1 mediates rapid nutrient signaling in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10371-10376. | 3.3 | 154 |
| 35 | Comparative Phylogenomics Uncovers the Impact of Symbiotic Associations on Host Genome Evolution. <i>PLoS Genetics</i> , 2014, 10, e1004487. | 1.5 | 229 |
| 36 | A unified nomenclature of NITRATE TRANSPORTER 1/PEPTIDE TRANSPORTER family members in plants. <i>Trends in Plant Science</i> , 2014, 19, 5-9. | 4.3 | 581 |

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|----|---|------|-----------|
| 37 | Finding a nitrogen niche: a systems integration of local and systemic nitrogen signalling in plants. <i>Journal of Experimental Botany</i> , 2014, 65, 5601-5610. | 2.4 | 36 |
| 38 | TARGET: A Transient Transformation System for Genome-Wide Transcription Factor Target Discovery. <i>Molecular Plant</i> , 2013, 6, 978-980. | 3.9 | 73 |
| 39 | Gene regulatory networks in plants: learning causality from time and perturbation. <i>Genome Biology</i> , 2013, 14, 123. | 3.8 | 115 |
| 40 | RootScope: A Landmark-Based System for Rapid Screening of Root Architecture in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 161, 1086-1096. | 2.3 | 59 |
| 41 | Plasticity Regulators Modulate Specific Root Traits in Discrete Nitrogen Environments. <i>PLoS Genetics</i> , 2013, 9, e1003760. | 1.5 | 76 |
| 42 | Integration of responses within and across <i>Arabidopsis</i> natural accessions uncovers loci controlling root systems architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15133-15138. | 3.3 | 93 |
| 43 | Integrated RNA-seq and sRNA-seq analysis identifies novel nitrate-responsive genes in <i>Arabidopsis thaliana</i> roots. <i>BMC Genomics</i> , 2013, 14, 701. | 1.2 | 76 |
| 44 | A framework integrating plant growth with hormones and nutrients. <i>Trends in Plant Science</i> , 2011, 16, 178-182. | 4.3 | 255 |
| 45 | Nitrogen economics of root foraging: Transitive closure of the nitrate-cytokinin relay and distinct systemic signaling for N supply vs. demand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18524-18529. | 3.3 | 333 |
| 46 | HIGH NITROGEN INSENSITIVE 9 (HNI9)-mediated systemic repression of root NO ₃ ⁻ uptake is associated with changes in histone methylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13329-13334. | 3.3 | 108 |
| 47 | A Functional Phylogenomic View of the Seed Plants. <i>PLoS Genetics</i> , 2011, 7, e1002411. | 1.5 | 134 |
| 48 | Using Phylogenomic Patterns and Gene Ontology to Identify Proteins of Importance in Plant Evolution. <i>Genome Biology and Evolution</i> , 2010, 2, 225-239. | 1.1 | 27 |
| 49 | Nitrate signaling: adaptation to fluctuating environments. <i>Current Opinion in Plant Biology</i> , 2010, 13, 265-272. | 3.5 | 319 |
| 50 | Modeling the global effect of the basic-leucine zipper transcription factor 1 (bZIP1) on nitrogen and light regulation in <i>Arabidopsis</i> . <i>BMC Systems Biology</i> , 2010, 4, 111. | 3.0 | 69 |
| 51 | A Systems View of Responses to Nutritional Cues in <i>Arabidopsis</i> : Toward a Paradigm Shift for Predictive Network Modeling. <i>Plant Physiology</i> , 2010, 152, 445-452. | 2.3 | 34 |
| 52 | Nitrate-responsive miR393/ <i>AFB3</i> regulatory module controls root system architecture in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4477-4482. | 3.3 | 556 |
| 53 | VirtualPlant: A Software Platform to Support Systems Biology Research. <i>Plant Physiology</i> , 2010, 152, 500-515. | 2.3 | 254 |
| 54 | Predictive network modeling of the high-resolution dynamic plant transcriptome in response to nitrate. <i>Genome Biology</i> , 2010, 11, R123. | 13.9 | 241 |

| # | ARTICLE | IF | CITATIONS |
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| 55 | The Impact of Outgroup Choice and Missing Data on Major Seed Plant Phylogenetics Using Genome-Wide EST Data. PLoS ONE, 2009, 4, e5764. | 1.1 | 54 |
| 56 | A Systems Approach Uncovers Restrictions for Signal Interactions Regulating Genome-wide Responses to Nutritional Cues in Arabidopsis. PLoS Computational Biology, 2009, 5, e1000326. | 1.5 | 64 |
| 57 | In Silico Evaluation of Predicted Regulatory Interactions in Arabidopsis thaliana. BMC Bioinformatics, 2009, 10, 435. | 1.2 | 3 |
| 58 | A system biology approach highlights a hormonal enhancer effect on regulation of genes in a nitrate responsive "biomodule". BMC Systems Biology, 2009, 3, 59. | 3.0 | 48 |
| 59 | A mutation in the Proteosomal Regulatory Particle AAA-ATPase-3 in Arabidopsis impairs the light-specific hypocotyl elongation response elicited by a glutamate receptor agonist, BMAA. Plant Molecular Biology, 2009, 70, 523-533. | 2.0 | 17 |
| 60 | Gene Orthology Assessment with OrthologID. Methods in Molecular Biology, 2009, 537, 23-38. | 0.4 | 2 |
| 61 | Automated simultaneous analysis phylogenetics (ASAP): an enabling tool for phylogenomics. BMC Bioinformatics, 2008, 9, 103. | 1.2 | 30 |
| 62 | An integrated genetic, genomic and systems approach defines gene networks regulated by the interaction of light and carbon signaling pathways in Arabidopsis. BMC Systems Biology, 2008, 2, 31. | 3.0 | 55 |
| 63 | Cell-specific nitrogen responses mediate developmental plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 803-808. | 3.3 | 557 |
| 64 | Systems approach identifies an organic nitrogen-responsive gene network that is regulated by the master clock control gene <i>CCA1</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4939-4944. | 3.3 | 333 |
| 65 | 2020 Vision for Biology: The Role of Plants in Addressing Grand Challenges in Biology. Molecular Plant, 2008, 1, 561-563. | 3.9 | 8 |
| 66 | Sungear: interactive visualization and functional analysis of genomic datasets. Bioinformatics, 2007, 23, 259-261. | 1.8 | 35 |
| 67 | Insights into the genomic nitrate response using genetics and the Sungear Software System. Journal of Experimental Botany, 2007, 58, 2359-2367. | 2.4 | 71 |
| 68 | Qualitative network models and genome-wide expression data define carbon/nitrogen-responsive molecular machines in Arabidopsis. Genome Biology, 2007, 8, R7. | 13.9 | 289 |
| 69 | ESTimating plant phylogeny: lessons from partitioning. BMC Evolutionary Biology, 2006, 6, 48. | 3.2 | 31 |
| 70 | OrthologID: automation of genome-scale ortholog identification within a parsimony framework. Bioinformatics, 2006, 22, 699-707. | 1.8 | 89 |
| 71 | Analysis of Glutamate Receptor Genes in Plants: Progress and Prospects. , 2005, , 245-255. | | 0 |
| 72 | EST analysis in Ginkgo biloba: an assessment of conserved developmental regulators and gymnosperm specific genes. BMC Genomics, 2005, 6, 143. | 1.2 | 34 |

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|----|--|------|-----------|
| 73 | Systems Biology for the Virtual Plant: Figure 1.. Plant Physiology, 2005, 138, 550-554. | 2.3 | 82 |
| 74 | Correlation of ASN2 Gene Expression with Ammonium Metabolism in Arabidopsis. Plant Physiology, 2004, 134, 332-338. | 2.3 | 105 |
| 75 | Genomic Analysis of the Nitrate Response Using a Nitrate Reductase-Null Mutant of Arabidopsis. Plant Physiology, 2004, 136, 2512-2522. | 2.3 | 396 |
| 76 | Genome-wide patterns of carbon and nitrogen regulation of gene expression validate the combined carbon and nitrogen (CN)-signaling hypothesis in plants. Genome Biology, 2004, 5, R91. | 13.9 | 157 |
| 77 | Genome-wide investigation of light and carbon signaling interactions in Arabidopsis. Genome Biology, 2004, 5, R10. | 13.9 | 71 |
| 78 | Expressed sequence tag analysis in Cycas, the most primitive living seed plant. Genome Biology, 2003, 4, R78. | 13.9 | 74 |
| 79 | Overexpression of the ASN1 Gene Enhances Nitrogen Status in Seeds of Arabidopsis. Plant Physiology, 2003, 132, 926-935. | 2.3 | 193 |
| 80 | Plant Systems Biology. Plant Physiology, 2003, 132, 403-403. | 2.3 | 23 |
| 81 | Light- and Carbon-Signaling Pathways. Modeling Circuits of Interactions. Plant Physiology, 2003, 132, 440-452. | 2.3 | 76 |
| 82 | Primary N-assimilation into Amino Acids in Arabidopsis. The Arabidopsis Book, 2003, 2, e0010. | 0.5 | 88 |
| 83 | Achieving the in silico plant. Systems biology and the future of plant biological research. Plant Physiology, 2003, 132, 404-9. | 2.3 | 15 |
| 84 | Overexpression of Cytosolic Glutamine Synthetase. Relation to Nitrogen, Light, and Photorespiration. Plant Physiology, 2002, 129, 1170-1180. | 2.3 | 239 |
| 85 | Phylogenetic and Expression Analysis of the Glutamate-Receptorâ€ˆLike Gene Family in Arabidopsis thaliana. Molecular Biology and Evolution, 2002, 19, 1066-1082. | 3.5 | 167 |
| 86 | Molecular and Physiological Analysis of Arabidopsis Mutants Defective in Cytosolic or Chloroplastic Aspartate Aminotransferase. Plant Physiology, 2002, 129, 650-660. | 2.3 | 65 |
| 87 | Arabidopsisglt1-T mutant defines a role for NADH-GOGAT in the non-photorespiratory ammonium assimilatory pathway. Plant Journal, 2002, 29, 347-358. | 2.8 | 108 |
| 88 | Carbon and nitrogen sensing and signaling in plants: emerging â€ˆmatrix effectsâ€™™. Current Opinion in Plant Biology, 2001, 4, 247-253. | 3.5 | 386 |
| 89 | Using Combinatorial Design to Study Regulation by Multiple Input Signals. A Tool for Parsimony in the Post-Genomics Era. Plant Physiology, 2001, 127, 1590-1594. | 2.3 | 52 |
| 90 | Nitrogen and Carbon Nutrient and Metabolite Signaling in Plants. Plant Physiology, 2001, 125, 61-64. | 2.3 | 316 |

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| 91 | The Identity of Plant Glutamate Receptors. <i>Science</i> , 2001, 292, 1486b-1487. | 6.0 | 175 |
| 92 | Arabidopsis Mutants Resistant to S(+)-Î²-Methyl-Î±, Î²-Diaminopropionic Acid, a Cycad-Derived Glutamate Receptor Agonist. <i>Plant Physiology</i> , 2000, 124, 1615-1624. | 2.3 | 87 |
| 93 | Molecular evolution of glutamate receptors: a primitive signaling mechanism that existed before plants and animals diverged. <i>Molecular Biology and Evolution</i> , 1999, 16, 826-838. | 3.5 | 185 |
| 94 | Carbon and Amino Acids Reciprocally Modulate the Expression of Glutamine Synthetase in Arabidopsis. <i>Plant Physiology</i> , 1999, 121, 301-310. | 2.3 | 202 |
| 95 | Glutamate-receptor genes in plants. <i>Nature</i> , 1998, 396, 125-126. | 13.7 | 328 |
| 96 | Reciprocal regulation of distinct asparagine synthetase genes by light and metabolites in Arabidopsis thaliana. <i>Plant Journal</i> , 1998, 16, 345-353. | 2.8 | 217 |
| 97 | A PII-like protein in Arabidopsis: Putative role in nitrogen sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 13965-13970. | 3.3 | 236 |
| 98 | Arabidopsis gls Mutants and Distinct Fd-GOGAT Genes: Implications for Photorespiration and Primary Nitrogen Assimilation. <i>Plant Cell</i> , 1998, 10, 741-752. | 3.1 | 203 |
| 99 | Arabidopsis gls Mutants and Distinct Fd-GOGAT Genes: Implications for Photorespiration and Primary Nitrogen Assimilation. <i>Plant Cell</i> , 1998, 10, 741. | 3.1 | 24 |
| 100 | Dissecting Light Repression of the Asparagine Synthetase gene (AS1) in Arabidopsis. , 1998, , 147-157. | | 2 |
| 101 | Arabidopsis Mutants Define an in Vivo Role for Isoenzymes of Aspartate Aminotransferase in Plant Nitrogen Assimilation. <i>Genetics</i> , 1998, 149, 491-499. | 1.2 | 73 |
| 102 | Light-induced transcriptional repression of the pea AS1 gene: identification of cis-elements and transactors. <i>Plant Journal</i> , 1997, 12, 1021-1034. | 2.8 | 36 |
| 103 | Arabidopsis mutant analysis and gene regulation define a nonredundant role for glutamate dehydrogenase in nitrogen assimilation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 4718-4723. | 3.3 | 214 |
| 104 | Use of Arabidopsis Mutants and Genes to Study Amide Amino Acid Biosynthesis. <i>Plant Cell</i> , 1995, 7, 887. | 3.1 | 1 |
| 105 | The aspartate aminotransferase gene family of Arabidopsis encodes isoenzymes localized to three distinct subcellular compartments. <i>Plant Journal</i> , 1995, 7, 61-75. | 2.8 | 111 |
| 106 | Molecular evolution of duplicate copies of genes encoding cytosolic glutamine synthetase in Pisum sativum. <i>Plant Molecular Biology</i> , 1995, 29, 1111-1125. | 2.0 | 14 |
| 107 | Use of Arabidopsis mutants and genes to study amide amino acid biosynthesis.. <i>Plant Cell</i> , 1995, 7, 887-898. | 3.1 | 249 |
| 108 | cis Elements and trans-Acting Factors Affecting Regulation of a Nonphotosynthetic Light-Regulated Gene for Chloroplast Glutamine Synthetase. <i>Plant Physiology</i> , 1995, 108, 1109-1117. | 2.3 | 60 |

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| 109 | Metabolic Regulation of the Gene Encoding Glutamine-Dependent Asparagine Synthetase in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 1994, 106, 1347-1357. | 2.3 | 228 |
| 110 | A Novel AT-Rich DNA Binding Protein That Combines an HMG I-Like DNA Binding Domain with a Putative Transcription Domain. <i>Plant Cell</i> , 1994, 6, 107. | 3.1 | 13 |
| 111 | A Crucial Role for the NSF Postdoctoral Fellowship Program in Plant Biology. <i>Plant Cell</i> , 1993, 5, 722. | 3.1 | 0 |
| 112 | Ectopic Overexpression of Asparagine Synthetase in Transgenic Tobacco. <i>Plant Physiology</i> , 1993, 103, 1285-1290. | 2.3 | 81 |
| 113 | Appointments and awards. <i>Plant Molecular Biology Reporter</i> , 1992, 10, 4-4. | 1.0 | 0 |
| 114 | A promoter sequence involved in cell-specific expression of the pea glutamine synthetaseGS3A gene in organs of transgenic tobacco and alfalfa. <i>Plant Journal</i> , 1991, 1, 235-244. | 2.8 | 69 |
| 115 | Developmentally Regulated Expression of the Gene Family for Cytosolic Glutamine Synthetase in <i>Pisum sativum</i> . <i>Plant Physiology</i> , 1989, 91, 702-708. | 2.3 | 71 |
| 116 | Photorespiration and Light Act in Concert to Regulate the Expression of the Nuclear Gene for Chloroplast Glutamine Synthetase. <i>Plant Cell</i> , 1989, 1, 241. | 3.1 | 29 |
| 117 | Glutamine Synthetase of <i>Nicotiana plumbaginifolia</i> . <i>Plant Physiology</i> , 1987, 84, 366-373. | 2.3 | 79 |
| 118 | Expression dynamics of the pea <i>rbcS</i> multigene family and organ distribution of the transcripts. <i>EMBO Journal</i> , 1986, 5, 2063-2071. | 3.5 | 107 |
| 119 | Molecular biology of C4 photosynthesis in <i>Zea mays</i> : differential localization of proteins and mRNAs in the two leaf cell types. <i>Plant Molecular Biology</i> , 1984, 3, 431-444. | 2.0 | 92 |
| 120 | Transfer RNA genes in the cap-oxil region of yeast mitochondrial DNA. <i>Nucleic Acids Research</i> , 1980, 8, 5017-5030. | 6.5 | 42 |
| 121 | ASSEMBLY OF THE MITOCHONDRIAL MEMBRANE SYSTEM: NUCLEAR SUPPRESSION OF A CYTOCHROME b MUTATION IN YEAST MITOCHONDRIAL DNA. <i>Genetics</i> , 1980, 95, 891-903. | 1.2 | 7 |
| 122 | [9] The isolation of mitochondrial and nuclear mutants of <i>Saccharomyces cerevisiae</i> with specific defects in mitochondrial functions. <i>Methods in Enzymology</i> , 1979, 56, 95-106. | 0.4 | 23 |
| 123 | Assembly of the Mitochondrial Membrane System: Mutations in the <i>pho2</i> Locus of the Mitochondrial Genome of <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 1978, 92, 279-287. | 0.2 | 35 |
| 124 | Animal Systems Biology: Towards a Systems View of Development in <i>C. Elegans</i> . , 0, , 137-165. | | 0 |
| 125 | Metabolomics: Integrating the Metabolome and the Proteome for Systems Biology. , 0, , 258-289. | | 1 |
| 126 | Systems Biology: Principles and Applications in Plant Research. , 0, , 1-40. | | 6 |

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| 127 | Perspectives on Ecological and Evolutionary Systems Biology. , 0, , 331-349. | | 8 |
| 128 | The Plant Genome: Decoding the Transcriptional Hardwiring. , 0, , 196-228. | | 4 |
| 129 | From the Ionome to the Genome: Identifying the Gene Networks that Control the Mineral Content of Plants. , 0, , 290-303. | | 0 |
| 130 | Development and Systems Biology: Riding the Genomics Wave towards a Systems Understanding of Root Development. , 0, , 304-330. | | 0 |
| 131 | An Overview of Systems Biology. , 0, , 41-66. | | 1 |
| 132 | Prokaryotic Systems Biology. , 0, , 67-136. | | 1 |
| 133 | Software Tools for Systems Biology: Visualizing the Outcomes of N Experiments on M Entities. , 0, , 167-195. | | 0 |
| 134 | The RNA World: Identifying miRNA-Target RNA Pairs as Possible Missing Links in Multi-Network Models. , 0, , 229-242. | | 0 |
| 135 | Proteomics: Setting the Stage for Systems Biology. , 0, , 243-257. | | 0 |