

Yong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,228
citations

471509

17
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1361
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Genetic Screen for Nitrate Regulatory Mutants Captures the Nitrate Transporter Gene <i>NRT1.1</i> . <i>Plant Physiology</i> , 2009, 151, 472-478. | 4.8 | 191 |
| 2 | The Arabidopsis NRG2 Protein Mediates Nitrate Signaling and Interacts with and Regulates Key Nitrate Regulators. <i>Plant Cell</i> , 2016, 28, 485-504. | 6.6 | 154 |
| 3 | The <i>Arabidopsis</i> Prohibitin Gene <i>PHB3</i> Functions in Nitric Oxide-Mediated Responses and in Hydrogen Peroxide-Induced Nitric Oxide Accumulation. <i>Plant Cell</i> , 2010, 22, 249-259. | 6.6 | 102 |
| 4 | Whirly1 enhances tolerance to chilling stress in tomato via protection of photosystem II and regulation of starch degradation. <i>New Phytologist</i> , 2019, 221, 1998-2012. | 7.3 | 77 |
| 5 | CPSF30-L-mediated recognition of mRNA m6A modification controls alternative polyadenylation of nitrate signaling-related gene transcripts in Arabidopsis. <i>Molecular Plant</i> , 2021, 14, 688-699. | 8.3 | 75 |
| 6 | The Arabidopsis NLP7 gene regulates nitrate signaling via NRT1.1-dependent pathway in the presence of ammonium. <i>Scientific Reports</i> , 2018, 8, 1487. | 3.3 | 62 |
| 7 | The <i>Arabidopsis</i> CPSF30 gene plays an essential role in nitrate signaling and regulates the nitrate transceptor gene <i>NRT1.1</i> . <i>New Phytologist</i> , 2017, 216, 1205-1222. | 7.3 | 59 |
| 8 | Molecular Regulation of Nitrate Responses in Plants. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2039. | 4.1 | 57 |
| 9 | The long noncoding RNA <i>T5120</i> regulates nitrate response and assimilation in Arabidopsis. <i>New Phytologist</i> , 2019, 224, 117-131. | 7.3 | 55 |
| 10 | Overexpression of the Maize ZmNLP6 and ZmNLP8 Can Complement the Arabidopsis Nitrate Regulatory Mutant nlp7 by Restoring Nitrate Signaling and Assimilation. <i>Frontiers in Plant Science</i> , 2017, 8, 1703. | 3.6 | 52 |
| 11 | Characterization of the <i>PHO1</i> Gene Family and the Responses to Phosphate Deficiency of <i>Physcomitrella patens</i> . <i>Plant Physiology</i> , 2008, 146, 646-656. | 4.8 | 48 |
| 12 | Blended controlled-release nitrogen fertilizer with straw returning improved soil nitrogen availability, soil microbial community, and root morphology of wheat. <i>Soil and Tillage Research</i> , 2021, 212, 105045. | 5.6 | 48 |
| 13 | Mixture of controlled-release and conventional urea fertilizer application changed soil aggregate stability, humic acid molecular composition, and maize nitrogen uptake. <i>Science of the Total Environment</i> , 2021, 789, 147778. | 8.0 | 47 |
| 14 | HBI transcription factor-mediated ROS homeostasis regulates nitrate signal transduction. <i>Plant Cell</i> , 2021, 33, 3004-3021. | 6.6 | 37 |
| 15 | Toxicity mechanism of silver nanoparticles to <i>Chlamydomonas reinhardtii</i> : photosynthesis, oxidative stress, membrane permeability, and ultrastructure analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 15032-15042. | 5.3 | 35 |
| 16 | Nitrate Assay for Plant Tissues. <i>Bio-protocol</i> , 2017, 7, e2029. | 0.4 | 34 |
| 17 | FIP1 Plays an Important Role in Nitrate Signaling and Regulates CIPK8 and CIPK23 Expression in Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 593. | 3.6 | 29 |
| 18 | Defense pathways of <i>Chlamydomonas reinhardtii</i> under silver nanoparticle stress: Extracellular biosorption, internalization and antioxidant genes. <i>Chemosphere</i> , 2022, 291, 132764. | 8.2 | 15 |

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|----|--|-----|-----------|
| 19 | HBI1â€CP20 interaction positively regulates the CEPsâ€mediated systemic nitrate acquisition. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 902-912. | 8.5 | 14 |
| 20 | PHB3 regulates lateral root primordia formation via NO-mediated degradation of AUXIN/INDOLE-3-ACETIC ACID proteins. <i>Journal of Experimental Botany</i> , 2022, 73, 4034-4045. | 4.8 | 13 |
| 21 | Barley transcription factor HvNLP2 mediates nitrate signaling and affects nitrogen use efficiency. <i>Journal of Experimental Botany</i> , 2022, 73, 770-783. | 4.8 | 12 |
| 22 | Effect of Straw Return and Nitrogen Application Rate on the Photosynthetic Characteristics and Yield of Double-Season Maize. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 660-673. | 3.4 | 5 |
| 23 | Novel Aspects of Nitrate Regulation in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 574246. | 3.6 | 4 |
| 24 | Wheat NILs contrasting in grain size show different expansin expression, carbohydrate and nitrogen metabolism that are correlated with grain yield. <i>Field Crops Research</i> , 2019, 241, 107564. | 5.1 | 3 |