

Ryan Whitford

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,701
citations

471509

17
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

2266
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | CLE Peptides Control <i>Medicago truncatula</i> Nodulation Locally and Systemically. <i>Plant Physiology</i> , 2010, 153, 222-237. | 4.8 | 293 |
| 2 | Hybrid breeding in wheat: technologies to improve hybrid wheat seed production. <i>Journal of Experimental Botany</i> , 2013, 64, 5411-5428. | 4.8 | 239 |
| 3 | Plant CLE peptides from two distinct functional classes synergistically induce division of vascular cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18625-18630. | 7.1 | 191 |
| 4 | GOLVEN Secretory Peptides Regulate Auxin Carrier Turnover during Plant Gravitropic Responses. <i>Developmental Cell</i> , 2012, 22, 678-685. | 7.0 | 182 |
| 5 | CRISPR/Cas9-mediated knockout of <i>Ms1</i> enables the rapid generation of male-sterile hexaploid wheat lines for use in hybrid seed production. <i>Plant Biotechnology Journal</i> , 2019, 17, 1905-1913. | 8.3 | 125 |
| 6 | Molecular identification of the wheat male fertility gene <i>Ms1</i> and its prospects for hybrid breeding. <i>Nature Communications</i> , 2017, 8, 869. | 12.8 | 82 |
| 7 | The <i>Ph2</i> pairing homoeologous locus of wheat (<i>Triticum aestivum</i>): identification of candidate meiotic genes using a comparative genetics approach. <i>Plant Journal</i> , 2003, 36, 443-456. | 5.7 | 73 |
| 8 | Tetrapyrrole-based drought stress signalling. <i>Plant Biotechnology Journal</i> , 2015, 13, 447-459. | 8.3 | 71 |
| 9 | Drought-inducible expression of <i>Hv-miR827</i> enhances drought tolerance in transgenic barley. <i>Functional and Integrative Genomics</i> , 2017, 17, 279-292. | 3.5 | 62 |
| 10 | gRNA validation for wheat genome editing with the CRISPR-Cas9 system. <i>BMC Biotechnology</i> , 2019, 19, 71. | 3.3 | 55 |
| 11 | A DNA mismatch repair gene links to the <i>Ph2</i> locus in wheat. <i>Genome</i> , 2002, 45, 116-124. | 2.0 | 50 |
| 12 | <i>Ph2</i> encodes the mismatch repair protein MSH7-3D that inhibits wheat homoeologous recombination. <i>Nature Communications</i> , 2021, 12, 803. | 12.8 | 49 |
| 13 | Wheat <i>ms5</i> male-sterility is induced by recessive homoeologous A and D genome non-specific lipid transfer proteins. <i>Plant Journal</i> , 2019, 99, 673-685. | 5.7 | 31 |
| 14 | Unfertilized ovary pushes wheat flower open for cross-pollination. <i>Journal of Experimental Botany</i> , 2018, 69, 399-412. | 4.8 | 29 |
| 15 | Uncovering the evolutionary origin of blue anthocyanins in cereal grains. <i>Plant Journal</i> , 2020, 101, 1057-1074. | 5.7 | 29 |
| 16 | Effects of <i>Rht-B1</i> and <i>Ppd-D1</i> loci on pollinator traits in wheat. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1965-1979. | 3.6 | 27 |
| 17 | Simultaneous high-throughput recombinational cloning of open reading frames in closed and open configurations. <i>Plant Biotechnology Journal</i> , 2006, 4, 317-324. | 8.3 | 18 |
| 18 | Wheat <i>TaMs1</i> is a glycosylphosphatidylinositol-anchored lipid transfer protein necessary for pollen development. <i>BMC Plant Biology</i> , 2018, 18, 332. | 3.6 | 17 |

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|----|---|-----|-----------|
| 19 | Hybrid breeding in wheat: how shaping floral biology can offer new perspectives. <i>Functional Plant Biology</i> , 2020, 47, 675. | 2.1 | 16 |
| 20 | HvLEAFY controls the early stages of floral organ specification and inhibits the formation of multiple ovaries in barley. <i>Plant Journal</i> , 2021, 108, 509-527. | 5.7 | 15 |
| 21 | Genome-wide identification and analysis of non-specific Lipid Transfer Proteins in hexaploid wheat. <i>Scientific Reports</i> , 2018, 8, 17087. | 3.3 | 13 |
| 22 | WM5: Isolation and characterisation of a gene expressed during early meiosis and shoot meristem development in wheat. <i>Functional Plant Biology</i> , 2005, 32, 249. | 2.1 | 9 |
| 23 | Identification of transposons, retroelements, and a gene family predominantly expressed in floral tissues in chromosome 3DS of the hexaploid wheat progenitor <i>Aegilops tauschii</i> . <i>Functional and Integrative Genomics</i> , 2006, 7, 37-52. | 3.5 | 9 |
| 24 | Barley Plants Overexpressing Ferrochelatases (HvFC1 and HvFC2) Show Improved Photosynthetic Rates and Have Reduced Photo-Oxidative Damage under Drought Stress than Non-Transgenic Controls. <i>Agronomy</i> , 2020, 10, 1351. | 3.0 | 7 |
| 25 | Hybrid Wheat and Abiotic Stress. <i>Sustainable Development and Biodiversity</i> , 2019, , 211-224. | 1.7 | 3 |
| 26 | Genetic factors associated with favourable pollinator traits in the wheat cultivar Piko. <i>Functional Plant Biology</i> , 2021, 48, 434. | 2.1 | 3 |
| 27 | Altering Tetrapyrrole Biosynthesis by Overexpressing Ferrochelatases (Fc1 and Fc2) Improves Photosynthetic Efficiency in Transgenic Barley. <i>Agronomy</i> , 2020, 10, 1370. | 3.0 | 0 |