# NÃºria S Coll

List of Publications by Year
in descending order



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|---|---|---|---|
| 43 papers | 8,212 citations | 201674<br>27 h-index | 214800<br>47 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 18242 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 9.1 | 4,701 |
| 2 | Programmed cell death in the plant immune system. Cell Death and Differentiation, 2011, 18, 1247-1256. | 11.2 | 846 |
| 3 | <i>Arabidopsis</i> Type I Metacaspases Control Cell Death. Science, 2010, 330, 1393-1397. | 12.6 | 376 |
| 4 | Plant innate immunity â€“ sunny side up?. Trends in Plant Science, 2015, 20, 3-11. | 8.8 | 193 |
| 5 | Dying two deaths â€” programmed cell death regulation in development and disease. Current Opinion in Plant Biology, 2017, 35, 37-44. | 7.1 | 161 |
| 6 | A conserved core of PCD indicator genes discriminates developmentally and environmentally induced programmed cell death in plants. Plant Physiology, 2015, 169, pp.00769.2015. | 4.8 | 141 |
| 7 | The plant metacaspase AtMC1 in pathogen-triggered programmed cell death and aging: functional linkage with autophagy. Cell Death and Differentiation, 2014, 21, 1399-1408. | 11.2 | 119 |
| 8 | Cryptochrome-1-dependent execution of programmed cell death induced by singlet oxygen in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17036-17041. | 7.1 | 107 |
| 9 | Autophagy-related approaches for improving nutrient use efficiency and crop yield protection. Journal of Experimental Botany, 2018, 69, 1335-1353. | 4.8 | 97 |
| 10 | Current knowledge on the <i><scp>R</scp>alstonia solanacearum</i> type <scp>III</scp> secretion system. Microbial Biotechnology, 2013, 6, 614-620. | 4.2 | 95 |
| 11 | Protease signaling in animal and plantâ€regulated cell death. FEBS Journal, 2016, 283, 2577-2598. | 4.7 | 90 |
| 12 | Autophagy as an emerging arena for plantâ€“pathogen interactions. Current Opinion in Plant Biology, 2017, 38, 117-123. | 7.1 | 88 |
| 13 | A mutation in the Arabidopsis mTERFâ€related plastid protein SOLDAT10 activates retrograde signaling and suppresses <sup>1</sup>O<sub>2</sub>â€induced cell death. Plant Journal, 2009, 60, 399-410. | 5.7 | 87 |
| 14 | Transcriptome responses to Ralstonia solanacearum infection in the roots of the wild potato Solanum commersonii. BMC Genomics, 2015, 16, 246. | 2.8 | 85 |
| 15 | Metacaspases versus caspases in development and cell fate regulation. Cell Death and Differentiation, 2017, 24, 1314-1325. | 11.2 | 75 |
| 16 | Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. Molecular Cell, 2020, 77, 927-929. | 9.7 | 71 |
| 17 | Cell Death in Plant Immunity. Cold Spring Harbor Perspectives in Biology, 2020, 12, a036483. | 5.5 | 67 |
| 18 | Plant proteases in the control of the hypersensitive response. Journal of Experimental Botany, 2019, 70, 2087-2095. | 4.8 | 62 |

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|---|---|---|---|
| 19 | Blocking intruders: inducible physico-chemical barriers against plant vascular wilt pathogens. Journal of Experimental Botany, 2021, 72, 184-198. | 4.8 | 62 |
| 20 | The effector AWR5 from the plant pathogen Ralstonia solanacearum is an inhibitor of the TOR signalling pathway. Scientific Reports, 2016, 6, 27058. | 3.3 | 61 |
| 21 | A Novel, Sensitive Method to Evaluate Potato Germplasm for Bacterial Wilt Resistance Using a Luminescent<i>Ralstonia solanacearum</i>Reporter Strain. Molecular Plant-Microbe Interactions, 2014, 27, 277-285. | 2.6 | 57 |
| 22 | At<scp>SERPIN</scp>1 is an inhibitor of the metacaspase At<scp>MC</scp>1â€mediated cell death and autocatalytic processing <i>in planta</i>. New Phytologist, 2018, 218, 1156-1166. | 7.3 | 47 |
| 23 | Four bottlenecks restrict colonization and invasion by the pathogen Ralstonia solanacearum in resistant tomato. Journal of Experimental Botany, 2020, 71, 2157-2171. | 4.8 | 46 |
| 24 | Characterization of soldat8, a Suppressor of Singlet Oxygen-Induced Cell Death in Arabidopsis Seedlings. Plant and Cell Physiology, 2009, 50, 707-718. | 3.1 | 45 |
| 25 | Twitching and Swimming Motility Play a Role in Ralstonia solanacearum Pathogenicity. MSphere, 2020, 5, . | 2.9 | 40 |
| 26 | Dynamic expression of Ralstonia solanacearum virulence factors and metabolism-controlling genes during plant infection. BMC Genomics, 2021, 22, 170. | 2.8 | 32 |
| 27 | Type III secretion inhibitors for the management of bacterial plant diseases. Molecular Plant Pathology, 2019, 20, 20-32. | 4.2 | 31 |
| 28 | Transcriptomes of Ralstonia solanacearum during Root Colonization of Solanum commersonii. Frontiers in Plant Science, 2017, 8, 370. | 3.6 | 30 |
| 29 | Yeast as a Heterologous Model System to Uncover Type III Effector Function. PLoS Pathogens, 2016, 12, e1005360. | 4.7 | 27 |
| 30 | Complete genome sequence of the potato pathogen Ralstonia solanacearum UY031. Standards in Genomic Sciences, 2016, 11, 7. | 1.5 | 26 |
| 31 | Induced lignoâ€suberin vascular coating and tyramineâ€derived hydroxycinnamic acid amides restrict <i>Ralstonia solanacearum</i> colonization in resistant tomato. New Phytologist, 2022, 234, 1411-1429. | 7.3 | 26 |
| 32 | Protease Activities Triggered by Ralstonia solanacearum Infection in Susceptible and Tolerant Tomato Lines. Molecular and Cellular Proteomics, 2018, 17, 1112-1125. | 3.8 | 24 |
| 33 | Deep Sequencing Reveals Early Reprogramming of Arabidopsis Root Transcriptomes Upon Ralstonia solanacearum Infection. Molecular Plant-Microbe Interactions, 2019, 32, 813-827. | 2.6 | 24 |
| 34 | Enhancing Localized Pesticide Action through Plant Foliage by Silver-Cellulose Hybrid Patches. ACS Biomaterials Science and Engineering, 2019, 5, 413-419. | 5.2 | 20 |
| 35 | Type III Secretionâ€"Dependent and â€"Independent Phenotypes Caused by <i>Ralstonia solanacearum</i> in <i>Arabidopsis</i> Roots. Molecular Plant-Microbe Interactions, 2018, 31, 175-184. | 2.6 | 19 |
| 36 | Robust transcriptional indicators of immune cell death revealed by spatiotemporal transcriptome analyses. Molecular Plant, 2022, 15, 1059-1075. | 8.3 | 17 |

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|---|---|---|---|
| 37 | A genome-wide association study reveals cytokinin as a major component in the root defense responses against <i>Ralstonia solanacearum</i>. Journal of Experimental Botany, 2021, 72, 2727-2740. | 4.8 | 12 |
| 38 | A quick and efficient hydroponic potato infection method for evaluating potato resistance and Ralstonia solanacearum virulence. Plant Methods, 2019, 15, 145. | 4.3 | 9 |
| 39 | Different epitopes of <i>Ralstonia solanacearum</i> effector RipAW are recognized by two <i>Nicotiana</i> species and trigger immune responses. Molecular Plant Pathology, 2022, 23, 188-203. | 4.2 | 9 |
| 40 | The Bacterial Wilt Reservoir Host Solanum dulcamara Shows Resistance to Ralstonia solanacearum Infection. Frontiers in Plant Science, 2021, 12, 755708. | 3.6 | 7 |
| 41 | Detection and Quantification of Protein Aggregates in Plants. Methods in Molecular Biology, 2016, 1450, 195-203. | 0.9 | 4 |
| 42 | Detection and Quantification of the Hypersensitive Response Cell Death in Arabidopsis thaliana. Methods in Molecular Biology, 2022, 2447, 193-204. | 0.9 | 2 |
| 43 | Molecular Detection of Ralstonia solanacearum to Facilitate Breeding for Resistance to Bacterial Wilt in Potato. Methods in Molecular Biology, 2021, 2354, 375-385. | 0.9 | 1 |