

# Gabriela Carolina Arolina Pagnussat

## List of Publications by Year in descending order

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37  
papers

8,570  
citations

331670

21  
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330143

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39  
all docs

39  
docs citations

39  
times ranked

10114  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. <i>Cell</i> , 2017, 171, 273-285.	28.9	4,081
2	NITRICOXIDE: The Versatility of an Extensive Signal Molecule. <i>Annual Review of Plant Biology</i> , 2003, 54, 109-136.	18.7	793
3	Genetic and molecular identification of genes required for female gametophyte development and function in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2005, 132, 603-614.	2.5	538
4	Nitric Oxide Is Required for Root Organogenesis. <i>Plant Physiology</i> , 2002, 129, 954-956.	4.8	468
5	Nitric Oxide and Cyclic GMP Are Messengers in the Indole Acetic Acid-Induced Adventitious Rooting Process. <i>Plant Physiology</i> , 2003, 132, 1241-1248.	4.8	358
6	Regulation of lipid peroxidation and ferroptosis in diverse species. <i>Genes and Development</i> , 2018, 32, 602-619.	5.9	339
7	Nitric Oxide Mediates the Indole Acetic Acid Induction Activation of a Mitogen-Activated Protein Kinase Cascade Involved in Adventitious Root Development. <i>Plant Physiology</i> , 2004, 135, 279-286.	4.8	325
8	Auxin-Dependent Patterning and Gamete Specification in the <i>Arabidopsis</i> Female Gametophyte. <i>Science</i> , 2009, 324, 1684-1689.	12.6	252
9	Cell-Fate Switch of Synergid to Egg Cell in <i>Arabidopsis eostre</i> Mutant Embryo Sacs Arises from Misexpression of the BEL1-Like Homeodomain Gene <i>BLH1</i> . <i>Plant Cell</i> , 2007, 19, 3578-3592.	6.6	242
10	Calcium and calcium-dependent protein kinases are involved in nitric oxide- and auxin-induced adventitious root formation in cucumber. <i>Journal of Experimental Botany</i> , 2006, 57, 1341-1351.	4.8	223
11	Maternal Control of Male-Gamete Delivery in <i>Arabidopsis</i> Involves a Putative GPI-Anchored Protein Encoded by the <i>LORELEI</i> Gene. <i>Plant Cell</i> , 2008, 20, 3038-3049.	6.6	166
12	Heat stress induces ferroptosis-like cell death in plants. <i>Journal of Cell Biology</i> , 2017, 216, 463-476.	5.2	162
13	<i>oiwa</i> , a Female Gametophytic Mutant Impaired in a Mitochondrial Manganese-Superoxide Dismutase, Reveals Crucial Roles for Reactive Oxygen Species during Embryo Sac Development and Fertilization in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 1573-1591.	6.6	96
14	A Collection of <i>Ds</i> Insertional Mutants Associated With Defects in Male Gametophyte Development and Function in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2009, 181, 1369-1385.	2.9	84
15	Auxin Import and Local Auxin Biosynthesis Are Required for Mitotic Divisions, Cell Expansion and Cell Specification during Female Gametophyte Development in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2015, 10, e0126164.	2.5	80
16	Functional characterization of mutants affected in the carbonic anhydrase domain of the respiratory complex in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2015, 83, 831-844.	5.7	46
17	The CA domain of the respiratory complex I is required for normal embryogenesis in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 1589-1603.	4.8	34
18	<i>Arabidopsis</i> phosphatidylinositol-phospholipase C2 (PLC2) is required for female gametogenesis and embryo development. <i>Planta</i> , 2017, 245, 717-728.	3.2	32

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19	Ferroptosis in plants: triggers, proposed mechanisms, and the role of iron in modulating cell death. <i>Journal of Experimental Botany</i> , 2021, 72, 2125-2135.	4.8	30
20	Role of mitochondria during female gametophyte development and fertilization in <i>A. thaliana</i> . <i>Mitochondrion</i> , 2014, 19, 350-356.	3.4	26
21	C-ferroptosis is an iron-dependent form of regulated cell death in cyanobacteria. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	26
22	A Complex Journey: Cell Wall Remodeling, Interactions, and Integrity During Pollen Tube Growth. <i>Frontiers in Plant Science</i> , 2020, 11, 599247.	3.6	25
23	The <sc>DC</sc> domain protein <sc>VACUOLELESS GAMETOPHYTES</sc> is essential for development of female and male gametophytes in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2017, 90, 261-275.	5.7	21
24	New insights into the functional roles of reactive oxygen species during embryo sac development and fertilization in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e25714.	2.4	19
25	A CDPK type protein kinase is involved in rice SPS light modulation. <i>Physiologia Plantarum</i> , 2002, 115, 183-189.	5.2	14
26	Mitochondrial Pentatricopeptide Repeat Protein, EMB2794, Plays a Pivotal Role in NADH Dehydrogenase Subunit nad2 mRNA Maturation in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2020, 61, 1080-1094.	3.1	12
27	Gamma carbonic anhydrases are subunits of the mitochondrial complex I of diatoms. <i>Molecular Microbiology</i> , 2021, 116, 109-125.	2.5	11
28	The MED30 subunit of mediator complex is essential for early plant development and promotes flowering in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	10
29	Ferroptosis in plants: regulation of lipid peroxidation and redox status. <i>Biochemical Journal</i> , 2022, 479, 857-866.	3.7	10
30	Roles of cytochromes P450 in plant reproductive development. <i>International Journal of Developmental Biology</i> , 2021, 65, 187-194.	0.6	8
31	Rice sucrose-phosphate synthase: Identification of an isoform specific for heterotrophic tissues with distinct metabolite regulation from the mature leaf enzyme. <i>Physiologia Plantarum</i> , 2000, 108, 337-344.	5.2	8
32	Different Types Domains are Present in Complex I from Immature Seeds and of CA Adult Plants in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 986-998.	3.1	7
33	Heat stress in <i>Marchantia polymorpha</i> : Sensing and mechanisms underlying a dynamic response. <i>Plant, Cell and Environment</i> , 2020, 44, 2134-2149.	5.7	7
34	Measurement of Ascorbic Acid and Glutathione Content in Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Bio-protocol</i> , 2020, 10, e3800.	0.4	6
35	A mitochondrial ADXâ€“ADXâ€“P450 electron transport chain is essential for maternal gametophytic control of embryogenesis in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	6
36	<i>Arabidopsis thaliana</i> Embryo Sac Mitochondrial Membrane Potential Stain. <i>Bio-protocol</i> , 2014, 4, .	0.4	3

#	ARTICLE	IF	CITATIONS
37	Measuring and Perturbing Ferroptosis in Plants. <i>Methods in Molecular Biology</i> , 2022, 2447, 185-192.	0.9	1