

# Silvina C Pessino

## List of Publications by Year in descending order

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50  
papers

2,231  
citations

172457

29  
h-index

223800

46  
g-index

50  
all docs

50  
docs citations

50  
times ranked

845  
citing authors

#	ARTICLE	IF	CITATIONS
1	A rise of ploidy level induces the expression of apomixis in <i>Paspalum notatum</i> . <i>Sexual Plant Reproduction</i> , 2001, 13, 243-249.	2.2	191
2	Harnessing apomictic reproduction in grasses: what we have learned from <i>Paspalum</i> . <i>Annals of Botany</i> , 2013, 112, 767-787.	2.9	163
3	Identification of a maize linkage group related to apomixis in <i>Brachiaria</i> . <i>Theoretical and Applied Genetics</i> , 1997, 94, 439-444.	3.6	101
4	A genetic map of tetraploid <i>Paspalum notatum</i> Fl $\bar{A}$ $\frac{1}{4}$ gge (bahiagrass) based on single-dose molecular markers. <i>Molecular Breeding</i> , 2007, 20, 153-166.	2.1	92
5	Genetic fingerprinting for determining the mode of reproduction in <i>Paspalum notatum</i> , a subtropical apomictic forage grass. <i>Theoretical and Applied Genetics</i> , 1997, 95, 850-856.	3.6	90
6	Tetraploid races of <i>Paspalum notatum</i> show polysomic inheritance and preferential chromosome pairing around the apospory-controlling locus. <i>Theoretical and Applied Genetics</i> , 2004, 109, 186-191.	3.6	90
7	A Genetic Map of the Apospory-Region in <i>Brachiaria</i> Hybrids: Identification of two Markers Closely Associated with the Trait. <i>Hereditas</i> , 2004, 128, 153-158.	1.4	70
8	Characterization of retrotransposon sequences expressed in inflorescences of apomictic and sexual <i>Paspalum notatum</i> plants. <i>Sexual Plant Reproduction</i> , 2011, 24, 231-246.	2.2	70
9	Isolation of cDNA Clones Differentially Expressed in Flowers of Apomictic and Sexual <i>Paspalum Notatum</i> . <i>Hereditas</i> , 2004, 134, 35-42.	1.4	63
10	Gene expression analysis at the onset of aposporous apomixis in <i>Paspalum notatum</i> . <i>Plant Molecular Biology</i> , 2008, 67, 615-628.	3.9	63
11	Effect of Pollination Timing on the Rate of Apomictic Reproduction Revealed by RAPD Markers in <i>Paspalum notatum</i> . <i>Annals of Botany</i> , 2002, 89, 165-170.	2.9	61
12	Genetic diversity in sexual diploid and apomictic tetraploid populations of <i>Paspalum notatum</i> situated in sympatry or allopatry. <i>Plant Systematics and Evolution</i> , 2004, 244, 189-199.	0.9	60
13	PnTgs1-like expression during reproductive development supports a role for RNA methyltransferases in the aposporous pathway. <i>BMC Plant Biology</i> , 2014, 14, 297.	3.6	59
14	A methylation status analysis of the apomixis-specific region in <i>Paspalum</i> spp. suggests an epigenetic control of parthenogenesis. <i>Journal of Experimental Botany</i> , 2014, 65, 6411-6424.	4.8	57
15	Characterization and expression analysis of SOMATIC EMBRYOGENESIS RECEPTOR KINASE (SERK) genes in sexual and apomictic <i>Paspalum notatum</i> . <i>Plant Molecular Biology</i> , 2014, 84, 479-495.	3.9	55
16	Gene expression in diplosporous and sexual <i>Eragrostis curvula</i> genotypes with differing ploidy levels. <i>Plant Molecular Biology</i> , 2008, 67, 11-23.	3.9	53
17	An apomixis-linked <i>ORC3</i> -like pseudogene is associated with silencing of its functional homolog in apomictic <i>Paspalum simplex</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 1965-1978.	4.8	53
18	Genome rearrangements derived from autopolyploidization in <i>Paspalum</i> sp.. <i>Plant Science</i> , 2007, 172, 970-977.	3.6	52

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19	Expressed sequence tag analysis and development of gene associated markers in a near-isogenic plant system of <i>Eragrostis curvula</i> . <i>Plant Molecular Biology</i> , 2008, 67, 1-10.	3.9	51
20	A comprehensive analysis of gene expression alterations in a newly synthesized <i>Paspalum notatum</i> autotetraploid. <i>Plant Science</i> , 2005, 169, 211-220.	3.6	46
21	A succinate dehydrogenase flavoprotein subunit-like transcript is upregulated in <i>Ilex paraguariensis</i> leaves in response to water deficit and abscisic acid. <i>Plant Physiology and Biochemistry</i> , 2013, 65, 48-54.	5.8	41
22	A reference floral transcriptome of sexual and apomictic <i>Paspalum notatum</i> . <i>BMC Genomics</i> , 2017, 18, 318.	2.8	39
23	Sequence characterization, in silico mapping and cytosine methylation analysis of markers linked to apospory in <i>Paspalum notatum</i> . <i>Genetics and Molecular Biology</i> , 2012, 35, 827-837.	1.3	37
24	The MAP3K-Coding QUI-GON JINN (QGJ) Gene Is Essential to the Formation of Unreduced Embryo Sacs in <i>Paspalum</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1547.	3.6	36
25	Non-radioactive mRNA fingerprinting to visualise gene expression in mature ovaries of <i>Brachiaria</i> hybrids derived from <i>B. brizantha</i> , an apomictic tropical forage. <i>Plant Science</i> , 1997, 126, 49-58.	3.6	34
26	Expression of lorelei-like genes in aposporous and sexual <i>Paspalum notatum</i> plants. <i>Plant Molecular Biology</i> , 2011, 77, 337-354.	3.9	34
27	The Molecular Genetics of Gametophytic Apomixis. <i>Hereditas</i> , 2004, 130, 1-11.	1.4	33
28	First insight into divergence, representation and chromosome distribution of reverse transcriptase fragments from L1 retrotransposons in peanut and wild relative species. <i>Genetica</i> , 2015, 143, 113-125.	1.1	33
29	Small RNA-seq reveals novel regulatory components for apomixis in <i>Paspalum notatum</i> . <i>BMC Genomics</i> , 2019, 20, 487.	2.8	33
30	Genetic characterization of <i>Paspalum notatum</i> accessions by AFLP markers. <i>Plant Systematics and Evolution</i> , 2006, 258, 147-159.	0.9	32
31	A Portion of the Apomixis Locus of <i>Paspalum Simplex</i> is Microsyntenic with an Unstable Chromosome Segment Highly Conserved Among Poaceae. <i>Scientific Reports</i> , 2019, 9, 3271.	3.3	32
32	Variation in cytosine methylation patterns during ploidy level conversions in <i>Eragrostis curvula</i> . <i>Plant Molecular Biology</i> , 2009, 70, 17-29.	3.9	30
33	Evaluation of different methods for assessing the reproductive mode of weeping lovegrass plants, <i>Eragrostis curvula</i> (Schrad.) Nees. <i>Australian Journal of Botany</i> , 2011, 59, 253.	0.6	30
34	Genome polymorphisms and gene differential expression in a "back-and-forth" ploidy-altered series of weeping lovegrass ( <i>Eragrostis curvula</i> ). <i>Journal of Plant Physiology</i> , 2007, 164, 1051-1061.	3.5	28
35	Identification of Candidate Genes Related to Polyploidy and/or Apomixis in <i>Eragrostis curvula</i> . <i>American Journal of Plant Sciences</i> , 2012, 03, 403-416.	0.8	28
36	Development of a modified transformation platform for apomixis candidate genes research in <i>Paspalum notatum</i> (bahiagrass). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 412-424.	2.1	26

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37	Increased apomixis expression concurrent with genetic and epigenetic variation in a newly synthesized <i>Eragrostis curvula</i> polyploid. <i>Scientific Reports</i> , 2015, 4, 4423.	3.3	23
38	A Genetic Linkage Map of Diploid <i>Paspalum notatum</i> . <i>Crop Science</i> , 2001, 41, 823-830.	1.8	22
39	Temporal and spatial expression of genes involved in DNA methylation during reproductive development of sexual and apomictic <i>Eragrostis curvula</i> . <i>Scientific Reports</i> , 2017, 7, 15092.	3.3	22
40	The vesicle trafficking regulator PN_SCD1 is demethylated and overexpressed in florets of apomictic <i>Paspalum notatum</i> genotypes. <i>Scientific Reports</i> , 2018, 8, 3030.	3.3	16
41	A Plant-Specific TGS1 Homolog Influences Gametophyte Development in Sexual Tetraploid <i>Paspalum notatum</i> Ovules. <i>Frontiers in Plant Science</i> , 2019, 10, 1566.	3.6	15
42	How to Become an Apomixis Model: The Multifaceted Case of <i>Paspalum</i> . <i>Genes</i> , 2020, 11, 974.	2.4	15
43	Novel genotypes of the subtropical grass <i>Eragrostis curvula</i> for the study of apomixis (diplospory). <i>Euphytica</i> , 2006, 151, 263-272.	1.2	14
44	Structure, target-specificity and expression of PN_LNC_N13, a long non-coding RNA differentially expressed in apomictic and sexual <i>Paspalum notatum</i> . <i>Plant Molecular Biology</i> , 2018, 96, 53-67.	3.9	13
45	Repetitive sequences in <i>Eragrostis curvula</i> cDNA EST libraries obtained from genotypes with different ploidy. <i>Biologia Plantarum</i> , 2016, 60, 55-67.	1.9	7
46	A study of the heterochronic sense/antisense RNA representation in florets of sexual and apomictic <i>Paspalum notatum</i> . <i>BMC Genomics</i> , 2021, 22, 185.	2.8	6
47	Structure and characterization of the gene encoding the ferredoxin-NADP reductase-binding protein from <i>Zea mays</i> L.. <i>Gene</i> , 1994, 147, 205-208.	2.2	5
48	<i>Eragrostis</i> . , 2011, , 135-151.		4
49	Genetic response of <i>Paspalum plicatulum</i> to genome duplication. <i>Genetica</i> , 2014, 142, 227-234.	1.1	2
50	The Auxin-Response Repressor IAA30 Is Down-Regulated in Reproductive Tissues of Apomictic <i>Paspalum notatum</i> . <i>Plants</i> , 2022, 11, 1472.	3.5	1