

Margrethe Serek

List of Publications by Year in descending order

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44
papers

1,959
citations

279798

23
h-index

265206

42
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44
all docs

44
docs citations

44
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of 1-methylcyclopropene and methylenecyclopropane on ethylene binding and ethylene action on cut carnations. <i>Plant Growth Regulation</i> , 1996, 18, 79-86.	3.4	192
2	Effects of 1-MCP on the vase life and ethylene response of cut flowers. <i>Plant Growth Regulation</i> , 1995, 16, 93-97.	3.4	178
3	Novel Gaseous Ethylene Binding Inhibitor Prevents Ethylene Effects in Potted Flowering Plants. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 1230-1233.	1.0	173
4	Comparison of cyclopropene, 1-methylcyclopropene, and 3,3-dimethylcyclopropene as ethylene antagonists in plants. <i>Plant Growth Regulation</i> , 1996, 18, 169-174.	3.4	140
5	Transformation of <i>Kalanchoe blossfeldiana</i> with rol-genes is useful in molecular breeding towards compact growth. <i>Plant Cell Reports</i> , 2008, 27, 1485-1495.	5.6	94
6	Proteomic analyses of somatic and zygotic embryos of <i>Cyclamen persicum</i> Mill. reveal new insights into seed and germination physiology. <i>Planta</i> , 2006, 224, 508-519.	3.2	86
7	Differences in display life of miniature potted roses (<i>Rosa hybrida</i> L.). <i>Scientia Horticulturae</i> , 1998, 76, 59-71.	3.6	69
8	Inhibition of ethylene responses by 1-Methylcyclopropene and 3-Methylcyclopropene. <i>Plant Growth Regulation</i> , 1999, 27, 105-111.	3.4	67
9	1-substituted cyclopropenes: Effective Blocking Agents for Ethylene Action in Plants. <i>Plant Growth Regulation</i> , 2003, 40, 223-228.	3.4	67
10	Transgenic <i>Campanula carpatica</i> plants with reduced ethylene sensitivity. <i>Plant Cell Reports</i> , 2007, 26, 805-813.	5.6	62
11	1-Methylcyclopropene inhibits ethylene action in cut phlox flowers. <i>Postharvest Biology and Technology</i> , 1995, 6, 313-319.	6.0	56
12	Efficacy of inhibitors of ethylene binding in improvement of the postharvest characteristics of potted flowering plants. <i>Postharvest Biology and Technology</i> , 2001, 23, 161-166.	6.0	50
13	<i>Kalanchoe blossfeldiana</i> plants expressing the <i>Arabidopsis etr1-1</i> allele show reduced ethylene sensitivity. <i>Plant Cell Reports</i> , 2008, 27, 729-737.	5.6	48
14	Effect of 1-methylcyclopropene and methylenecyclopropane on ethylene binding and ethylene action on cut carnations. , 1996, , 127-134.		47
15	Ethylene and postharvest performance of potted kalanchoe. <i>Postharvest Biology and Technology</i> , 2000, 18, 43-48.	6.0	47
16	Stress induced ethylene production, ethylene binding, and the response to the ethylene action inhibitor 1-MCP in miniature roses. <i>Scientia Horticulturae</i> , 2000, 83, 51-59.	3.6	45
17	Transformation of miniature potted rose (<i>Rosa hybrida</i> cv. Linda) with P SAG12 -ipt gene delays leaf senescence and enhances resistance to exogenous ethylene. <i>Plant Cell Reports</i> , 2013, 32, 195-205.	5.6	44
18	A Volatile Ethylene Inhibitor Improves the Postharvest Life of Potted Roses. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 572-577.	1.0	39

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19	Agrobacterium tumefaciens-mediated transformation of Oncidium and Odontoglossum orchid species with the ethylene receptor mutant gene <i>etr1-1</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 98, 125-134.	2.3	30
20	Carbon balance and ethylene in the postharvest life of flowering hibiscus. <i>Postharvest Biology and Technology</i> , 2002, 25, 227-233.	6.0	29
21	The effect of chemical structure on the antagonism by cyclopropenes of ethylene responses in banana. <i>Plant Growth Regulation</i> , 2001, 33, 107-110.	3.4	28
22	Manipulation of <i>MKS1</i> gene expression affects <i>Kalanchoë blossfeldiana</i> and <i>Petunia hybrida</i> phenotypes. <i>Plant Biotechnology Journal</i> , 2015, 13, 51-61.	8.3	28
23	The effect of dialkylamine compounds and related derivatives of 1-methylcyclopropene in counteracting ethylene responses in banana fruit. <i>Postharvest Biology and Technology</i> , 2009, 51, 43-48.	6.0	26
24	1-Methylcyclopropene Prevents Bud, Flower, and Leaf Abscission of Geraldton Waxflower. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1995, 30, 1310.	1.0	25
25	Characterization of ethylene-induced organ abscission in F1 breeding lines of miniature roses (<i>Rosa</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 24	6.0	24
26	Use of a non-volatile 1-MCP formulation, N,N-dipropyl(1-cyclopropenylmethyl)amine, for improvement of postharvest quality of ornamental crops. <i>Postharvest Biology and Technology</i> , 2010, 56, 117-122.	6.0	24
27	Efficacy of new inhibitors of ethylene perception in improvement of display life of <i>Kalanchoë blossfeldiana</i> (Poelln.) flowers. <i>Postharvest Biology and Technology</i> , 2003, 30, 169-176.	6.0	23
28	Genotypic differences in callus formation and regeneration of somatic embryos in <i>Cyclamen persicum</i> Mill. <i>Euphytica</i> , 2005, 144, 109-117.	1.2	23
29	Isolation of an Ethylene-induced Putative Nucleotide Laccase in Miniature Roses (<i>Rosa hybrida</i> L.). <i>Journal of Plant Growth Regulation</i> , 2008, 27, 320-330.	5.1	22
30	Anti-ethylene Treatments for Potted Christmas Cactus-Efficacy of Inhibitors of Ethylene Action and Biosynthesis. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1993, 28, 1180-1181.	1.0	22
31	AOA and BA Influence on Floral Development and Longevity of Potted 'Victory Parade' Miniature Rose. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1993, 28, 1039-1040.	1.0	20
32	Germination of Encapsulated Somatic Embryos of <i>Cyclamen persicum</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 1093-1097.	1.0	18
33	Efficacy of New Inhibitors of Ethylene Perception in Improvement of Display Quality of Miniature Potted Roses (<i>Rosa hybrida</i> L.). <i>Plant Growth Regulation</i> , 2005, 47, 29-38.	3.4	16
34	Effect of 1-octylcyclopropene and 1-methylcyclopropene on vase life of sweet pea (<i>Lathyrus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.9	15
35	Poststorage quality and rooting ability of <i>Epipremnum pinnatum</i> cuttings after treatment with ethylene action inhibitors. <i>The Journal of Horticultural Science</i> , 1997, 72, 445-452.	0.3	14
36	Interaction of Ethylene and Other Compounds with the Ethylene Receptor: Agonists and Antagonists. , 2006, , 1-34.		13

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37	Regeneration of various species of <i>Crassulaceae</i> , with special reference to <i>Kalanchoë</i> . Journal of Horticultural Science and Biotechnology, 2002, 77, 204-208.	1.9	12
38	Reduced water availability improves drought tolerance of potted miniature roses: Is the ethylene pathway involved?. Journal of Horticultural Science and Biotechnology, 2004, 79, 1-13.	1.9	12
39	Ethanol treatment induces compact growth in <i>Kalanchoë</i> . Scientia Horticulturae, 2014, 168, 234-239.	3.6	9
40	Expression analysis by RT-PCR of genes involved in ethylene synthesis and signal transduction in miniature roses. Scientia Horticulturae, 2017, 216, 22-28.	3.6	6
41	Characterization of Transgenic <i>Kalanchoë</i> and <i>Petunia</i> with Organ-Specific Expression of GUS or GA 2 ox Genes Led by the Deletion BOX-1 Version (dBI) of the PAL1 Promoter. Journal of Plant Growth Regulation, 2017, 36, 424-435.	5.1	5
42	Flowering conditions affect flower longevity in <i>Syringa vulgaris</i> and cause changes in protein content, protease activity and expression of a KDEL-CysEP gene. Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	4
43	Application of 1-MCP as a liquid formulation prevents ethylene-induced senescence in <i>Phalaenopsis</i> orchid flowers and <i>Kalanchoë blossfeldiana</i> inflorescences. Journal of Horticultural Science and Biotechnology, 2019, 94, 499-506.	1.9	4
44	Influence of late fertilization in the field on forcing and quality of potted <i>Campanula carpatica</i> . Scientia Horticulturae, 1997, 71, 235-242.	3.6	3