

Maria A Breygina

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

215
citations

1040056

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times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen peroxide affects ion channels in lily pollen grain protoplasts. <i>Plant Biology</i> , 2016, 18, 761-767.	3.8	26
2	The role of reactive oxygen species in pollen germination in <i>Picea pungens</i> (blue spruce). <i>Plant Reproduction</i> , 2018, 31, 357-365.	2.2	26
3	Membrane potential changes during pollen germination and tube growth. <i>Cell and Tissue Biology</i> , 2009, 3, 573-582.	0.4	20
4	Ni ²⁺ effects on <i>Nicotiana tabacum</i> L. pollen germination and pollen tube growth. <i>BioMetals</i> , 2012, 25, 1221-1233.	4.1	20
5	ROS and Ions in Cell Signaling during Sexual Plant Reproduction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9476.	4.1	20
6	Redox-regulation of ion homeostasis in growing lily pollen tubes. <i>Journal of Plant Physiology</i> , 2019, 243, 153050.	3.5	18
7	The role of Cl ⁻ in pollen germination and tube growth. <i>Russian Journal of Developmental Biology</i> , 2009, 40, 157-164.	0.5	15
8	Pollen Germination and Pollen Tube Growth in Gymnosperms. <i>Plants</i> , 2021, 10, 1301.	3.5	13
9	Transmembrane transport of K ⁺ and Cl ⁻ during pollen grain activation in vivo and in vitro. <i>Russian Journal of Developmental Biology</i> , 2012, 43, 85-93.	0.5	9
10	Bipolar pollen germination in blue spruce (<i>Picea pungens</i>). <i>Protoplasma</i> , 2019, 256, 941-949.	2.1	9
11	Effects of anion channel blockers NPPB and DIDS on tobacco pollen tube growth and its mitochondria state. <i>Cell and Tissue Biology</i> , 2010, 4, 289-296.	0.4	7
12	Oxygen radicals and cytoplasm zoning in growing lily pollen tubes. <i>Plant Reproduction</i> , 2021, 34, 103-115.	2.2	7
13	The Balance between Different ROS on Tobacco Stigma during Flowering and Its Role in Pollen Germination. <i>Plants</i> , 2022, 11, 993.	3.5	7
14	Hydrogen peroxide in tobacco stigma exudate affects pollen proteome and membrane potential in pollen tubes. <i>Plant Biology</i> , 2021, 23, 592-602.	3.8	6
15	Dynamics of endogenous levels and subcellular localization of ABA and cytokinins during pollen germination in spruce and tobacco. <i>Protoplasma</i> , 2023, 260, 237-248.	2.1	5
16	Dynamics of Pollen Activation and the Role of H ⁺ -ATPase in Pollen Germination in Blue Spruce (<i>Picea</i>) Tj ETQq0 0 0 .ggBT /Overlock 10 Tf	3.5	4
17	Periplasmic multilamellar membranous structures in <i>Nicotiana tabacum</i> L. pollen grains treated with Ni ²⁺ or Cu ²⁺ . <i>Protoplasma</i> , 2014, 251, 1521-1525.	2.1	3
18	Effects of Ni ²⁺ and Cu ²⁺ on K ⁺ and H ⁺ currents in lily pollen protoplasts. <i>Functional Plant Biology</i> , 2017, 44, 1171.	2.1	0