Nina I Gabarayeva

List of Publications by Year
in descending order

47 papers	1,058 citations	331538 21 h-index	434063 31 g-index
47 all docs	47 docs citations	47 times ranked	295 citing authors

#	Article	IF	Citations
1	Pollen wall and tapetal development in CymbalariaÂmuralis: the role of physical processes, evidenced by in vitro modelling. Protoplasma, 2023, 260, 281-298.	1.0	3
2	An integral insight into pollen wall development: involvement of physical processes in exine ontogeny in <i>Calycanthus floridus</i> L., with an experimental approach. Plant Journal, 2021, 105, 736-753.	2.8	7
3	Pollen wall development in Hydrangea bretschneiderii Dippel. (Hydrangeaceae): advanced interpretation through physical input, with in vitro experimental verification. Protoplasma, 2021, 258, 431-447.	1.0	3
4	Underlying mechanisms of development: pollen wall ontogeny in<i>Chloranthus japonicus</i>and a reconsideration of pollen ontogeny in early-diverging lineages of angiosperms. Botanical Journal of the Linnean Society, 2021, 196, 221-241.	0.8	1
5	Artificial pollen walls simulated by the tandem processes of phase separation and selfâ€assembly <i>in vitro</i>. New Phytologist, 2020, 225, 1956-1973.	3.5	14
6	Mimicking pollen and spore walls: self-assembly in action. Annals of Botany, 2019, 123, 1205-1218.	1.4	16
7	Suggested mechanisms underlying pollen wall development in Ambrosia trifida (Asteraceae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.0	6
8	Pollen wall ontogeny in Polemonium caeruleum (Polemoniaceae) and suggested underlying mechanisms of development. Protoplasma, 2018, 255, 109-128.	1.0	8
9	Assembling the thickest plant cell wall: exine development in Echinops (Asteraceae, Cynareae). Planta, 2018, 248, 323-346.	1.6	11
10	Pollen wall and tapetum development in<i>Plantago major</i>L. (Plantaginaceae): assisting self-assembly. Grana, 2017, 56, 81-111.	0.4	17
11	Self-assembly as the underlying mechanism for exine development in Larix decidua D. C.. Planta, 2017, 246, 471-493.	1.6	9
12	Simulation of exine patterns by self-assembly. Plant Systematics and Evolution, 2016, 302, 1135-1156.	0.3	21
13	Pollen Wall Substructure and Development inTanacetum vulgare(Compositae: Anthemideae): Revisiting Hypotheses on Pattern Formation in Complex Cell Walls. International Journal of Plant Sciences, 2016, 177, 347-370.	0.6	9
14	The development of sporoderm, tapetum and Ubisch bodies in Dianthus deltoides (Caryophyllaceae): Self-assembly in action. Review of Palaeobotany and Palynology, 2015, 219, 1-27.	0.8	12
15	Sporoderm and tapetum ontogeny in Juniperus communis (Cupressaceae). Connective structures between tapetum and microspores. Review of Palaeobotany and Palynology, 2014, 206, 23-44.	0.8	10
16	Role of genetic control and self-assembly in gametophyte sporoderm ontogeny: Hypotheses and experiment. Russian Journal of Developmental Biology, 2014, 45, 177-195.	0.1	11
17	Sporoderm and tapetum development in Eupomatia laurina (Eupomatiaceae). An interpretation. Protoplasma, 2014, 251, 1321-1345.	1.0	15
18	II. Exine development in Passiflora racemosa Brot.: post-tetrad period. Overlooked aspects of development. Plant Systematics and Evolution, 2013, 299, 1037-1055.	0.3	13

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19	I. Primexine development in Passiflora racemosa Brot.: overlooked aspects of development. Plant Systematics and Evolution, 2013, 299, 1013-1035.	0.3	19
20	Experimental modelling of exine-like structures. Grana, 2013, 52, 241-257.	0.4	21
21	Sporoderm development and substructure in<i>Magnolia sieboldii</i>and other Magnoliaceae: an interpretation. Grana, 2012, 51, 119-147.	0.4	24
22	Sporoderm development in<i>Swida alba</i>(Cornaceae), interpreted as a self-assembling colloidal system. Grana, 2011, 50, 81-101.	0.4	14
23	Ultrastructure and development during meiosis and the tetrad period of sporogenesis in the leptosporangiate fern<i>Alsophila setosa</i>(Cyatheaceae) compared with corresponding stages in<i>Psilotum nudum</i>(Psilotaceae). Grana, 2011, 50, 235-261.	0.4	12
24	Exine and tapetum development in Symphytum officinale (Boraginaceae). Exine substructure and its interpretation. Plant Systematics and Evolution, 2011, 296, 101-120.	0.3	24
25	Developmental origins of structural diversity in pollen walls of Compositae. Plant Systematics and Evolution, 2010, 284, 17-32.	0.3	54
26	Sporoderm development in Acer tataricum (Aceraceae): an interpretation. Protoplasma, 2010, 247, 65-81.	1.0	26
27	A new look at sporoderm ontogeny in Persea americana and the hidden side of development. Annals of Botany, 2010, 105, 939-955.	1.4	32
28	Sporoderm ontogeny in<i>Chamaedorea microspadix</i>(Arecaceae): self-assembly as the underlying cause of development. Grana, 2010, 49, 91-114.	0.4	29
29	Morphological, developmental and ultrastructural comparison of Osmunda regalis L. spores with spore mimics. Review of Palaeobotany and Palynology, 2009, 156, 177-184.	0.8	20
30	Sporoderm development in Trevesia burckii (Araliaceae). Review of Palaeobotany and Palynology, 2009, 156, 233-247.	0.8	28
31	Sporoderm development in Trevesia burckii (Araliaceae). I. Tetrad period: Further evidence for the participation of self-assembly processes. Review of Palaeobotany and Palynology, 2009, 156, 211-232.	0.8	31
32	Merging concepts: The role of self-assembly in the development of pollen wall structure. Review of Palaeobotany and Palynology, 2006, 138, 121-139.	0.8	69
33	The role of allergenic proteins Pla a 1 and Pla a 2 in the germination of Platanus acerifolia pollen grains. Sexual Plant Reproduction, 2005, 18, 101-112.	2.2	23
34	Microspore development in Quercus robur (Fagaceae). Review of Palaeobotany and Palynology, 2004, 132, 115-132.	0.8	21
35	Exine development in Encephalartos altensteinii (Cycadaceae): ultrastructure, substructure and the modes of sporopollenin accumulation. Review of Palaeobotany and Palynology, 2004, 132, 175-193.	0.8	25
36	Observations on the experimental destruction and substructural organisation of the pollen wall of some selected Gymnosperms and Angiosperms. Review of Palaeobotany and Palynology, 2003, 124, 203-226.	0.8	21

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37	Exine development in Stangeria eriopus (Stangeriaceae):. Review of Palaeobotany and Palynology, 2002, 122, 185-218.	0.8	32
38	Exine and tapetum development in Nymphaea capensis (Nymphaeaceae): a comparative study. Nordic Journal of Botany, 2001, 21, 529-548.	0.2	23
39	Sporoderm development inNymphaea mexicana (Nymphaeaceae). Plant Systematics and Evolution, 1997, 204, 1-19.	0.3	55
40	Sporoderm development in Liriodendron chinense (Magnoliaceae): a probable role of the endoplasmic reticulum. Nordic Journal of Botany, 1996, 16, 307-323.	0.2	17
41	Pollen wall and tapetum development in Anaxagorea brevipes (Annonaceae): sporoderm substructure, cytoskeleton, sporopollenin precursor particles, and the endexine problem. Review of Palaeobotany and Palynology, 1995, 85, 123-152.	0.8	51
42	Exine development in Nymphaea colorata (Nymphaeaceae). Nordic Journal of Botany, 1994, 14, 671-691.	0.2	53
43	Hypothetical Ways of Exine Structure Determination. Grana, 1993, 32, 54-59.	0.4	39
44	Sporoderm Development inAsimina Triloba(Annonaceae). II. The Developmental Events After Callose Dissolution. Grana, 1993, 32, 210-220.	0.4	31
45	Sporoderm development in<i>Asimina triloba</i>(Annonaceae). Grana, 1992, 31, 213-222.	0.4	30
46	CYCLIC INVASION OF TAPETAL CELLS INTO LOCULI DURING MICROSPORE DEVELOPMENT IN NYMPHAEA COLORATA (NYMPHACEAE). American Journal of Botany, 1992, 79, 801-808.	0.8	20
47	Cyclic Invasion of Tapetal Cells into Loculi During Microspore Development in Nymphaea colorata (Nymphaceae). American Journal of Botany, 1992, 79, 801.	0.8	28