

Nina I Gabarayeva

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Sporoderm development in <i>Nymphaea mexicana</i> (Nymphaeaceae). Plant Systematics and Evolution, 1997, 204, 1-19.	0.3	55
3	Developmental origins of structural diversity in pollen walls of Compositae. Plant Systematics and Evolution, 2010, 284, 17-32.	0.3	54
4	Exine development in <i>Nymphaea colorata</i> (Nymphaeaceae). Nordic Journal of Botany, 1994, 14, 671-691.	0.2	53
5	Pollen wall and tapetum development in <i>Anaxagorea brevipes</i> (Annonaceae): sporoderm substructure, cytoskeleton, sporopollenin precursor particles, and the endexine problem. Review of Palaeobotany and Palynology, 1995, 85, 123-152.	0.8	51
6	Hypothetical Ways of Exine Structure Determination. Grana, 1993, 32, 54-59.	0.4	39
7	Exine development in <i>Stangeria eriopus</i> (Stangeriaceae): Review of Palaeobotany and Palynology, 2002, 122, 185-218.	0.8	32
8	A new look at sporoderm ontogeny in <i>Persea americana</i> and the hidden side of development. Annals of Botany, 2010, 105, 939-955.	1.4	32
9	Sporoderm Development in <i>Asimina triloba</i> (Annonaceae). II. The Developmental Events After Callose Dissolution. Grana, 1993, 32, 210-220.	0.4	31
10	Sporoderm development in <i>Trevesia burckii</i> (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
11	Sporoderm development in <i>Asimina triloba</i> (Annonaceae). Grana, 1992, 31, 213-222.	0.4	30
12	Sporoderm ontogeny in <i>Chamaedorea microspadix</i> (Arecaceae): self-assembly as the underlying cause of development. Grana, 2010, 49, 91-114.	0.4	29
13	Sporoderm development in <i>Trevesia burckii</i> (Araliaceae). Review of Palaeobotany and Palynology, 2009, 156, 233-247.	0.8	28
14	Cyclic Invasion of Tapetal Cells into Loculi During Microspore Development in <i>Nymphaea colorata</i> (Nymphaeaceae). American Journal of Botany, 1992, 79, 801.	0.8	28
15	Sporoderm development in <i>Acer tataricum</i> (Aceraceae): an interpretation. Protoplasma, 2010, 247, 65-81.	1.0	26
16	Exine development in <i>Encephalartos altensteinii</i> (Cycadaceae): ultrastructure, substructure and the modes of sporopollenin accumulation. Review of Palaeobotany and Palynology, 2004, 132, 175-193.	0.8	25
17	Exine and tapetum development in <i>Symphytum officinale</i> (Boraginaceae). Exine substructure and its interpretation. Plant Systematics and Evolution, 2011, 296, 101-120.	0.3	24
18	Sporoderm development and substructure in <i>Magnolia sieboldii</i> and other Magnoliaceae: an interpretation. Grana, 2012, 51, 119-147.	0.4	24

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19	Exine and tapetum development in <i>Nymphaea capensis</i> (Nymphaeaceae): a comparative study. <i>Nordic Journal of Botany</i> , 2001, 21, 529-548.	0.2	23
20	The role of allergenic proteins Pla a 1 and Pla a 2 in the germination of <i>Platanus acerifolia</i> pollen grains. <i>Sexual Plant Reproduction</i> , 2005, 18, 101-112.	2.2	23
21	Observations on the experimental destruction and substructural organisation of the pollen wall of some selected Gymnosperms and Angiosperms. <i>Review of Palaeobotany and Palynology</i> , 2003, 124, 203-226.	0.8	21
22	Microspore development in <i>Quercus robur</i> (Fagaceae). <i>Review of Palaeobotany and Palynology</i> , 2004, 132, 115-132.	0.8	21
23	Experimental modelling of exine-like structures. <i>Grana</i> , 2013, 52, 241-257.	0.4	21
24	Simulation of exine patterns by self-assembly. <i>Plant Systematics and Evolution</i> , 2016, 302, 1135-1156.	0.3	21
25	CYCLIC INVASION OF TAPETAL CELLS INTO LOCULI DURING MICROSPORE DEVELOPMENT IN NYMPHAEA COLORATA (NYMPHACEAE). <i>American Journal of Botany</i> , 1992, 79, 801-808.	0.8	20
26	Morphological, developmental and ultrastructural comparison of <i>Osmunda regalis</i> L. spores with spore mimics. <i>Review of Palaeobotany and Palynology</i> , 2009, 156, 177-184.	0.8	20
27	I. Primexine development in <i>Passiflora racemosa</i> Brot.: overlooked aspects of development. <i>Plant Systematics and Evolution</i> , 2013, 299, 1013-1035.	0.3	19
28	Sporoderm development in <i>Liriodendron chinense</i> (Magnoliaceae): a probable role of the endoplasmic reticulum. <i>Nordic Journal of Botany</i> , 1996, 16, 307-323.	0.2	17
29	Pollen wall and tapetum development in <i>Plantago major</i> L. (Plantaginaceae): assisting self-assembly. <i>Grana</i> , 2017, 56, 81-111.	0.4	17
30	Mimicking pollen and spore walls: self-assembly in action. <i>Annals of Botany</i> , 2019, 123, 1205-1218.	1.4	16
31	Sporoderm and tapetum development in <i>Eupomatia laurina</i> (Eupomatiaceae). An interpretation. <i>Protoplasma</i> , 2014, 251, 1321-1345.	1.0	15
32	Sporoderm development in <i>Swida alba</i> (Cornaceae), interpreted as a self-assembling colloidal system. <i>Grana</i> , 2011, 50, 81-101.	0.4	14
33	Artificial pollen walls simulated by the tandem processes of phase separation and self-assembly in vitro. <i>New Phytologist</i> , 2020, 225, 1956-1973.	3.5	14
34	II. Exine development in <i>Passiflora racemosa</i> Brot.: post-tetrad period. Overlooked aspects of development. <i>Plant Systematics and Evolution</i> , 2013, 299, 1037-1055.	0.3	13
35	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). <i>Grana</i> , 2011, 50, 235-261.	0.4	12
36	The development of sporoderm, tapetum and Ubisch bodies in <i>Dianthus deltoides</i> (Caryophyllaceae): Self-assembly in action. <i>Review of Palaeobotany and Palynology</i> , 2015, 219, 1-27.	0.8	12

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37	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
38	Assembling the thickest plant cell wall: exine development in Echinops (Asteraceae, Cynareae). Planta, 2018, 248, 323-346.	1.6	11
39	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
40	Pollen Wall Substructure and Development in Tanacetum vulgare (Compositae: Anthemideae): Revisiting Hypotheses on Pattern Formation in Complex Cell Walls. International Journal of Plant Sciences, 2016, 177, 347-370.	0.6	9
41	Self-assembly as the underlying mechanism for exine development in Larix decidua D. C.. Planta, 2017, 246, 471-493.	1.6	9
42	Pollen wall ontogeny in Polemonium caeruleum (Polemoniaceae) and suggested underlying mechanisms of development. Protoplasma, 2018, 255, 109-128.	1.0	8
43	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
44	Suggested mechanisms underlying pollen wall development in Ambrosia trifida (Asteraceae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	1.0	6
45	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
46	Pollen wall and tapetal development in Cymbalaria muralis: the role of physical processes, evidenced by in vitro modelling. Protoplasma, 2023, 260, 281-298.	1.0	3
47	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