William E Friedman

List of Publications by Year
in descending order

83 papers	3,242 citations	134610 34 h-index	190340 53 g-index
86 all docs	86 docs citations	86 times ranked	2554 citing authors

#	Article	IF	Citations
1	Transcriptomes across fertilization and seed development in the water lily Nymphaea thermarum (Nymphaeales): evidence for epigenetic patterning during reproduction. Plant Reproduction, 2022, 35, 161-178.	1.3	3
2	Interspecific morphological variation in Juglandoideae resting bud organisationâ€"a winterâ€™s tale?. Annals of Botany, 2022, , .	1.4	1
3	Unveiling the many meanings of the term â€˜naked budâ€™. New Phytologist, 2022, 235, 15-17.	3.5	0
4	Rapid diversification of vascular architecture underlies the Carboniferous fern radiation. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212209.	1.2	8
5	Naked resting bud morphologies and their taxonomic and geographic distributions in temperate, woody floras. New Phytologist, 2021, 232, 523-536.	3.5	10
6	From cells to stems: the effects of primary vascular construction on droughtâ€induced embolism in fern rhizomes. New Phytologist, 2021, 232, 2238-2253.	3.5	7
7	Alexander Moritzi, a Swiss Pre-Darwinian Evolutionist: Insights into the Creationist-Transmutationist Debates of the 1830s and 1840s. Journal of the History of Biology, 2020, 53, 549-585.	0.2	1
8	Darwin in the garden: Engaging the public about evolution with museum collections of living objects. Plants People Planet, 2020, 2, 294-301.	1.6	0
9	Water lily (Nymphaea thermarum) genome reveals variable genomic signatures of ancient vascular cambium losses. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8649-8656.	3.3	33
10	Evidence for parent-of-origin effects and interparental conflict in seeds of an ancient flowering plant lineage. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172491.	1.2	25
11	Prolonged embryogenesis in Austrobaileya scandens (Austrobaileyaceae): its ecological and evolutionary significance. New Phytologist, 2017, 215, 851-864.	3.5	14
12	Insights into how the world turned green. New Phytologist, 2017, 215, 505-507.	3.5	3
13	Zygotic dormancy underlies prolonged seed development inFranklinia alatamaha(Theaceae): a most unusual case of reproductive phenology in angiosperms. Botanical Journal of the Linnean Society, 2016, 181, 70-83.	0.8	3
14	Insights from the pollination drop proteome and the ovule transcriptome ofCephalotaxusat the time of pollination drop production. Annals of Botany, 2016, 117, 973-984.	1.4	14
15	Development and evolution of the female gametophyte and fertilization process in Welwitschia mirabilis (Welwitschiaceae). American Journal of Botany, 2015, 102, 312-324.	0.8	15
16	Evolving words and the eggâ€bearing tubes of Welwitschia (Welwitschiaceae). American Journal of Botany, 2015, 102, 176-179.	0.8	3
17	Floral biology and ovule and seed ontogeny of Nymphaea thermarum, a water lily at the brink of extinction with potential as a model system for basal angiosperms. Annals of Botany, 2015, 115, 211-226.	1.4	43
18	Spatial structuring of bacterial communities within individual <scp>G</scp>inkgo biloba trees. Environmental Microbiology, 2015, 17, 2352-2361.	1.8	94

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19	Arabinogalactan proteins mark stigmatic receptivity in the protogynous flowers of Magnolia virginiana (Magnoliaceae). American Journal of Botany, 2014, 101, 1963-1975.	0.8	17
20	One Genome, Two Ontogenies. Science, 2013, 339, 1045-1046.	6.0	16
21	Seed development in Trimenia (Trimeniaceae) and its bearing on the evolution of embryoâ€nourishing strategies in early flowering plant lineages. American Journal of Botany, 2013, 100, 906-915.	0.8	15
22	Kin recognition within a seed and the effect of genetic relatedness of an endosperm to its compatriot embryo on maize seed development. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2217-2222.	3.3	23
23	Embryology in Trithuria submersa (Hydatellaceae) and relationships between embryo, endosperm, and perisperm in earlyâ€diverging flowering plants. American Journal of Botany, 2012, 99, 1083-1095.	0.8	31
24	Plant Genomics: Homoplasy Heaven in a Lycophyte Genome. Current Biology, 2011, 21, R554-R556.	1.8	7
25	Female gametophyte development and double fertilization in Balsas teosinte, Zea mays subsp. parviglumis (Poaceae). Sexual Plant Reproduction, 2011, 24, 219-229.	2.2	14
26	Charles Darwin and the Origins of Plant Evolutionary Developmental Biology. Plant Cell, 2011, 23, 1194-1207.	3.1	31
27	Female gamete competition in an ancient angiosperm lineage. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12360-12365.	3.3	28
28	PhyscomitrellaCyclin-Dependent Kinase A Links Cell Cycle Reactivation to Other Cellular Changes during Reprogramming of Leaf Cells Â Â. Plant Cell, 2011, 23, 2924-2938.	3.1	98
29	Female gametophyte and early seed development in Peperomia (Piperaceae). American Journal of Botany, 2010, 97, 1-14.	0.8	35
30	The developmental basis of an evolutionary diversification of female gametophyte structure in Piper and Piperaceae. Annals of Botany, 2009, 103, 869-884.	1.4	12
31	Phylogenetic affinity of arbuscular mycorrhizal symbionts in Psilotum nudum. Journal of Plant Research, 2009, 122, 485-496.	1.2	41
32	Evolution pioneers: celebrating Lamarck at 200, Darwin 215. Nature, 2009, 461, 167-167.	13.7	1
33	Reconstructing the ancestral female gametophyte of angiosperms: Insights from Amborella and other ancient lineages of flowering plants. American Journal of Botany, 2009, 96, 129-143.	0.8	76
34	The meaning of Darwin's â€œabominable mysteryâ€• American Journal of Botany, 2009, 96, 5-21.	0.8	177
35	Auxin at the Evo-Devo Intersection. Science, 2009, 324, 1652-1653.	6.0	8
36	Female gametophyte development inAristolochia labiataWilld. (Aristolochiaceae). Botanical Journal of the Linnean Society, 2008, 158, 19-29.	0.8	6

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37	Hydatellaceae are water lilies with gymnospermous tendencies. Nature, 2008, 453, 94-97.	13.7	70
38	Arbuscular mycorrhizal associations in Lycopodiaceae. New Phytologist, 2008, 177, 790-801.	3.5	100
39	Origin of the Fittest and Survival of the Fittest: Relating Female Gametophyte Development to Endosperm Genetics. International Journal of Plant Sciences, 2008, 169, 79-92.	0.6	53
40	Embryological Features of Tofieldia glutinosa and Their Bearing on the Early Diversification of Monocotyledonous Plants. Annals of Botany, 2008, 102, 167-182.	1.4	14
41	Arbuscular mycorrhizal symbionts in Botrychium (Ophioglossaceae). American Journal of Botany, 2007, 94, 1248-1255.	0.8	70
42	Embryological evidence for developmental lability during early angiosperm evolution. Nature, 2006, 441, 337-340.	13.7	118
43	Developmental Evolution of the Sexual Process in Ancient Flowering Plant Lineages. Plant Cell, 2004, 16, S119-S132.	3.1	72
44	The evolution of plant development. American Journal of Botany, 2004, 91, 1726-1741.	0.8	140
45	The fourâ€celled female gametophyte of Illicium (Illiciaceae; Austrobaileyales): implications for understanding the origin and early evolution of monocots, eumagnoliids,and eudicots. American Journal of Botany, 2004, 91, 332-351.	0.8	89
46	MODULARITY OF THE ANGIOSPERM FEMALE GAMETOPHYTE AND ITS BEARING ON THE EARLY EVOLUTION OF ENDOSPERM IN FLOWERING PLANTS. Evolution; International Journal of Organic Evolution, 2003, 57, 216-230.	1.1	74
47	MODULARITY OF THE ANGIOSPERM FEMALE GAMETOPHYTE AND ITS BEARING ON THE EARLY EVOLUTION OF ENDOSPERM IN FLOWERING PLANTS. Evolution; International Journal of Organic Evolution, 2003, 57, 216.	1.1	1
48	The Stigma Surface and Pollenâ€Stigma Interactions inSenecio squalidusL. (Asteraceae) following Cross (Compatible) and Self (Incompatible) Pollinations. International Journal of Plant Sciences, 2002, 163, 1-16.	0.6	55
49	Identification of diploid endosperm in an early angiosperm lineage. Nature, 2002, 415, 522-526.	13.7	148
50	Developmental and evolutionary hypotheses for the origin of double fertilization and endosperm. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 2001, 324, 559-567.	0.8	44
51	Developmental evolution of endosperm in basal angiosperms: evidence from Amborella (Amborellaceae), Nuphar (Nymphaeaceae), and Illicium (Illiciaceae). Plant Systematics and Evolution, 2001, 228, 153-169.	0.3	38
52	PERSPECTIVE: THE ORIGIN OF FLOWERING PLANTS AND THEIR REPRODUCTIVE BIOLOGY?A TALE OF TWO PHYLOGENIES. Evolution; International Journal of Organic Evolution, 2001, 55, 217-231.	1.1	46
53	Comparative embryology of basal angiosperms. Current Opinion in Plant Biology, 2001, 4, 14-20.	3.5	37
54	The origin and early evolution of tracheids in vascular plants: integration of palaeobotanical and neobotanical data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 857-868.	1.8	82

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55	A developmental and evolutionary analysis of embryology inPlatanus(platanaceae), abasal eudicot. American Journal of Botany, 1999, 86, 1523-1537.	0.8	37
56	Developmental selection within the angiosperm style: Using gamete DNA to visualize interspecific pollen competition. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 9201-9206.	3.3	75
57	The evolution of double fertilization and endosperm: an â€historical" perspective. Sexual Plant Reproduction, 1998, 11, 6-16.	2.2	98
58	Heterochrony and Developmental Innovation: Evolution of Female Gametophyte Ontogeny in Gnetum, a Highly Apomorphic Seed Plant. Evolution; International Journal of Organic Evolution, 1998, 52, 1016.	1.1	22
59	HETEROCHRONY AND DEVELOPMENTAL INNOVATION: EVOLUTION OF FEMALE GAMETOPHYTE ONTOGENY IN GNETUM , A HIGHLY APOMORPHIC SEED PLANT. Evolution; International Journal of Organic Evolution, 1998, 52, 1016-1030.	1.1	50
60	Development of the Male Gametophyte of Ginkgo biloba: A Window into the Reproductive Biology of Early Seed Plants. , 1997, , 29-49.		14
61	Double Fertilization in Gnetum gnemon (Gnetaceae): Its Bearing on the Evolution of Sexual Reproduction within the Gnetales and the Anthophyte Clade. American Journal of Botany, 1996, 83, 767.	0.8	20
62	Double fertilization in Gnetum gnemon (Gnetaceae): its bearing on the evolution of sexual reproduction within the Gnetales and the anthophyte clade. American Journal of Botany, 1996, 83, 767-780.	0.8	49
63	Double Fertilization in Gnetales: Implications for Understanding Reproductive Diversification among Seed Plants. International Journal of Plant Sciences, 1996, 157, S77-S94.	0.6	53
64	The evolution of embryogeny in seed plants and the developmental origin and early history of endosperm. American Journal of Botany, 1994, 81, 1468-1486.	0.8	51
65	The Evolution of Embryogeny in Seed Plants and the Developmental Origin and Early History of Endosperm. American Journal of Botany, 1994, 81, 1468.	0.8	31
66	A laccase-like phenoloxidase is correlated with lignin biosynthesis in Zinnia elegans stem tissues. Plant Journal, 1994, 6, 213-224.	2.8	99
67	The evolutionary history of the seed plant male gametophyte. Trends in Ecology and Evolution, 1993, 8, 15-21.	4.2	58
68	Double Fertilization in Nonflowering Seed Plants and Its Relevance to the Origin of Flowering Plants. International Review of Cytology, 1992, 140, 319-355.	6.2	35
69	DEVELOPMENT OF THE POLLEN TUBE OF ZAMIA FURFURACEA (ZAMIACEAE) AND ITS EVOLUTIONARY IMPLICATIONS. American Journal of Botany, 1991, 78, 544-560.	0.8	12
70	Double fertilization inEphedra trifurca, a non-flowering seed plant: The relationship between fertilization events and the cell cycle. Protoplasma, 1991, 165, 106-120.	1.0	39
71	Developmentally regulated antigen associated with calcium crystals in tobacco anthers. Planta, 1991, 186, 13-6.	1.6	8
72	DEVELOPMENT OF THE POLLEN TUBE OF ZAMIA FURFURACEA (ZAMIACEAE) AND ITS EVOLUTIONARY IMPLICATIONS. , 1991, 78, 544.		7

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73	SEXUAL REPRODUCTION IN EPHEDRA NEVADENSIS (EPHEDRACEAE): FURTHER EVIDENCE OF DOUBLE FERTILIZATION IN A NONFLOWERING SEED PLANT. American Journal of Botany, 1990, 77, 1582-1598.	0.8	50
74	Sexual Reproduction in Ephedra nevadensis (Ephedraceae): Further Evidence of Double Fertilization in a Nonflowering Seed Plant. American Journal of Botany, 1990, 77, 1582.	0.8	29
75	Double Fertilization in Ephedra, a Nonflowering Seed Plant: Its Bearing on the Origin of Angiosperms. Science, 1990, 247, 951-954.	6.0	106
76	DIVISION OF THE GENERATIVE CELL AND LATE DEVELOPMENT IN THE MALE GAMETOPHYTE OF GINKGO BILOBA. American Journal of Botany, 1988, 75, 1434-1442.	0.8	8
77	DIVISION OF THE GENERATIVE CELL AND LATE DEVELOPMENT IN THE MALE GAMETOPHYTE OF GINKGO BILOBA. , 1988, 75, 1434.		7
78	MORPHOGENESIS AND EXPERIMENTAL ASPECTS OF GROWTH AND DEVELOPMENT OF THE MALE GAMETOPHYTE OF GINKGO BILOBA IN VITRO. American Journal of Botany, 1987, 74, 1816-1830.	0.8	24
79	GROWTH AND DEVELOPMENT OF THE MALE GAMETOPHYTE OF GINKGO BILOBA WITHIN THE OVULE (IN) Tj ETQq1 1 0.784314 rgBT	0.8	42
80	GROWTH AND DEVELOPMENT OF THE MALE GAMETOPHYTE OF GINKGO BILOBA WITHIN THE OVULE (IN) Tj ETQq0 0 0 rgBT /Overlock		30
81	MORPHOGENESIS AND EXPERIMENTAL ASPECTS OF GROWTH AND DEVELOPMENT OF THE MALE GAMETOPHYTE OF GINKGO BILOBA IN VITRO. , 1987, 74, 1816.		7
82	PHOTOSYNTHESIS IN THE FEMALE GAMETOPHYTE OF GINKGO BILOBA. American Journal of Botany, 1986, 73, 1261-1266.	0.8	3
83	PHOTOSYNTHESIS IN THE FEMALE GAMETOPHYTE OF GINKGO BILOBA. , 1986, 73, 1261.		5