

# Pamela K Diggle

## List of Publications by Year in descending order

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63  
papers

2,331  
citations

236925

25  
h-index

223800

46  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Architectural Effects and the Interpretation of Patterns of Fruit and Seed Development. Annual Review of Ecology, Evolution, and Systematics, 1995, 26, 531-552.	6.7	197
2	Multiple developmental processes underlie sex differentiation in angiosperms. Trends in Genetics, 2011, 27, 368-376.	6.7	167
3	Extreme preformation in alpine <i>Polygonum viviparum</i> : an architectural and Developmental Analysis. American Journal of Botany, 1997, 84, 154-169.	1.7	143
4	The evolution of unisexual flowers: morphological and functional convergence results from diverse developmental transitions. American Journal of Botany, 2005, 92, 1068-1076.	1.7	118
5	Ontogenetic Contingency and Floral Morphology: The Effects of Architecture and Resource Limitation. International Journal of Plant Sciences, 1997, 158, S99-S107.	1.3	98
6	The significance and scope of evolutionary developmental biology: a vision for the 21st century. Evolution & Development, 2015, 17, 198-219.	2.0	92
7	A developmental morphologist's perspective on plasticity. Evolutionary Ecology, 2002, 16, 267-283.	1.2	80
8	Diversification of andromonoecy in <i>Solanum</i> section <i>Lasiocarpa</i> (Solanaceae): the roles of phenotypic plasticity and architecture. American Journal of Botany, 2003, 90, 707-715.	1.7	79
9	Non-equilibrium dynamics and floral trait interactions shape extant angiosperm diversity. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152304.	2.6	79
10	The expression of andromonoecy in <i>Solanum hirtum</i> (Solanaceae): phenotypic plasticity and ontogenetic contingency. American Journal of Botany, 1994, 81, 1354-1365.	1.7	74
11	The genetics of floral development differentiating two species of <i>Mimulus</i> (Scrophulariaceae). Heredity, 1995, 74, 258-266.	2.6	70
12	Clonal Diversity in Alpine Populations of <i>Polygonum viviparum</i> (Polygonaceae). International Journal of Plant Sciences, 1998, 159, 606-615.	1.3	68
13	Heteroblasty and the Evolution of Flowering Phenologies. International Journal of Plant Sciences, 1999, 160, S123-S134.	1.3	60
14	Mechanisms of differential pollen donor performance in wild radish, <i>Raphanus sativus</i> (Brassicaceae). American Journal of Botany, 2001, 88, 242-257.	1.7	58
15	The Expression of Andromonoecy in <i>Solanum hirtum</i> (Solanaceae): Phenotypic Plasticity and Ontogenetic Contingency. American Journal of Botany, 1994, 81, 1354.	1.7	55
16	Modularity and intra-floral integration in metamerism: plants are more than the sum of their parts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130253.	4.0	52
17	DEVELOPMENTAL PLASTICITY, GENETIC VARIATION, AND THE EVOLUTION OF ANDROMONOECY IN <i>SOLANUM HIRTUM</i> (SOLANACEAE). American Journal of Botany, 1993, 80, 967-973.	1.7	47
18	Preformation, architectural complexity, and developmental flexibility in <i>Acomastylis rossii</i> (Rosaceae). American Journal of Botany, 2001, 88, 980-991.	1.7	46

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19	Analysis of developmental preformation in the alpine herb <i>Caltha leptosepala</i> (Ranunculaceae). <i>American Journal of Botany</i> , 1997, 84, 1646-1657.	1.7	42
20	Modular genetic architecture of floral morphology in <i>Nicotiana</i> : quantitative genetic and comparative phenotypic approaches to floral integration. <i>Journal of Evolutionary Biology</i> , 2010, 23, 1744-1758.	1.7	40
21	Correlated evolution of fruit size and sexual expression in andromonoecious <i>Solanum</i> sections <i>Acanthophora</i> and <i>Lasiocarpa</i> (Solanaceae). <i>American Journal of Botany</i> , 2007, 94, 1706-1715.	1.7	36
22	Floral Morphology in <i>Nicotiana</i> : Architectural and Temporal Effects on Phenotypic Integration. <i>International Journal of Plant Sciences</i> , 2008, 169, 225-240.	1.3	32
23	Architectural effects mimic floral sexual dimorphism in <i>Solanum</i> (Solanaceae). <i>American Journal of Botany</i> , 2004, 91, 2030-2040.	1.7	31
24	Charles Darwin and the Origins of Plant Evolutionary Developmental Biology. <i>Plant Cell</i> , 2011, 23, 1194-1207.	6.6	31
25	Developmental plasticity, genetic assimilation, and the evolutionary diversification of sexual expression in <i>Solanum</i> . <i>American Journal of Botany</i> , 2013, 100, 1050-1060.	1.7	31
26	Labile sex expression in andromonoecious <i>Solanum hirtum</i> : pattern of variation in floral structure. <i>Canadian Journal of Botany</i> , 1991, 69, 2033-2043.	1.1	27
27	THE RELATIONSHIP BETWEEN THE PRIMARY THICKENING MERISTEM AND THE SECONDARY THICKENING MERISTEM IN <i>YUCCA WHIPPLEI</i> TORR. I. HISTOLOGY OF THE MATURE VEGETATIVE STEM. <i>American Journal of Botany</i> , 1983, 70, 1195-1204.	1.7	26
28	The good, the bad and the flexible: plant interactions with pollinators and herbivores over space and time are moderated by plant compensatory responses. <i>Annals of Botany</i> , 2011, 108, 749-763.	2.9	26
29	LABILE SEX EXPRESSION IN ANDROMONOECIOUS <i>SOLANUM HIRTUM</i> : FLORAL DEVELOPMENT AND SEX DETERMINATION. <i>American Journal of Botany</i> , 1991, 78, 377-393.	1.7	25
30	Evidence for parent-of-origin effects and interparental conflict in seeds of an ancient flowering plant lineage. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172491.	2.6	25
31	Dynamics of maternal and paternal effects on embryo and seed development in wild radish ( <i>Raphanus</i> ) Tj ETQq1 1 0.784314 rgBT /Ov 2.9 24	2.9	24
32	Kin recognition within a seed and the effect of genetic relatedness of an endosperm to its compatriot embryo on maize seed development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2217-2222.	7.1	23
33	Subnivean embryo development in the alpine herb <i>Caltha leptosepala</i> (Ranunculaceae). <i>Canadian Journal of Botany</i> , 2001, 79, 635-642.	1.1	22
34	THE RELATIONSHIP BETWEEN THE PRIMARY THICKENING MERISTEM AND THE SECONDARY THICKENING MERISTEM IN <i>YUCCA WHIPPLEI</i> TORR. II. ONTOGENETIC RELATIONSHIP WITHIN THE VEGETATIVE STEM. <i>American Journal of Botany</i> , 1983, 70, 1205-1216.	1.7	21
35	Structural analysis of female and Hermaphroditic Flowers of a Gynodioecious Tree, <i>Ocotea Tenera</i> (Lauraceae). <i>American Journal of Botany</i> , 1997, 84, 298-307.	1.7	19
36	Barriers to Sexual Reproduction in <i>Polygonum viviparum</i> : A Comparative Developmental Analysis of <i>P. viviparum</i> and <i>P. bistortoides</i> . <i>Annals of Botany</i> , 2002, 89, 145-156.	2.9	19

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37	Developmental Plasticity, Genetic Variation, and the Evolution of Andromonoecy in <i>Solanum hirtum</i> (Solanaceae). <i>American Journal of Botany</i> , 1993, 80, 967.	1.7	19
38	Developmental analysis of the evolutionary origin of vegetative propagules in <i>Mimulus gemmiparus</i> (Scrophulariaceae). <i>American Journal of Botany</i> , 1999, 86, 1512-1522.	1.7	18
39	The pattern of carbon allocation supporting growth of preformed shoot primordia in <i>Acomastylis rossii</i> (Rosaceae). <i>American Journal of Botany</i> , 2003, 90, 1313-1320.	1.7	18
40	Patterns of shoot architecture in locally adapted populations are linked to intraspecific differences in gene regulation. <i>New Phytologist</i> , 2012, 196, 271-281.	7.3	18
41	Diverse Developmental Responses to Warming Temperatures Underlie Changes in Flowering Phenologies. <i>Integrative and Comparative Biology</i> , 2019, 59, 559-570.	2.0	17
42	Subnivean embryo development in the alpine herb <i>Caltha leptosepala</i> (Ranunculaceae). <i>Canadian Journal of Botany</i> , 2001, 79, 635-642.	1.1	16
43	Developmental Genetics of Corolla Tube Formation: Role of the tasiRNA- <i>ARF</i> Pathway and a Conceptual Model. <i>Plant Cell</i> , 2020, 32, 3452-3468.	6.6	16
44	Female gametophyte development and double fertilization in Balsas teosinte, <i>Zea mays</i> subsp. <i>parviglumis</i> (Poaceae). <i>Sexual Plant Reproduction</i> , 2011, 24, 219-229.	2.2	14
45	Node-specific branching and heterochronic changes underlie population-level differences in <i>Mimulus guttatus</i> (Phrymaceae) shoot architecture. <i>American Journal of Botany</i> , 2011, 98, 1924-1934.	1.7	14
46	The Relationship Between the Primary Thickening Meristem and the Secondary Thickening Meristem in <i>Yucca whipplei</i> Torr. I. Histology of the Mature Vegetative Stem. <i>American Journal of Botany</i> , 1983, 70, 1195.	1.7	14
47	Labile Sex Expression in Andromonoecious <i>Solanum hirtum</i> : Floral Development and Sex Determination. <i>American Journal of Botany</i> , 1991, 78, 377.	1.7	14
48	Contrasting lengths of <i>Pelargonium</i> floral nectar tubes result from late differences in rate and duration of growth. <i>Annals of Botany</i> , 2018, 121, 549-560.	2.9	12
49	Flower Development and Male Sterility in <i>Ocotea tenera</i> (Lauraceae): A Gynodioecious Tropical Tree. <i>International Journal of Plant Sciences</i> , 1998, 159, 405-417.	1.3	11
50	The Relationship Between the Primary Thickening Meristem and the Secondary Thickening Meristem in <i>Yucca whipplei</i> Torr. II. Ontogenetic Relationship within the Vegetative Stem. <i>American Journal of Botany</i> , 1983, 70, 1205.	1.7	9
51	Developmental Plasticity of Shoot Architecture: Morphological Expression and Ecologically Relevant Onset in Locally Adapted Populations of <i>Mimulus guttatus</i> . <i>International Journal of Plant Sciences</i> , 2014, 175, 59-69.	1.3	6
52	Comparative analysis of corolla tube development across three closely related <i>Mimulus</i> species with different pollination syndromes. <i>Evolution &amp; Development</i> , 2021, 23, 244-255.	2.0	6
53	The Morphology and Evolution of Flowers: A Tribute to the Work of Shirley Tucker: An Introduction. <i>International Journal of Plant Sciences</i> , 1997, 158, S1-S2.	1.3	5
54	THE RELATIONSHIP BETWEEN THE PRIMARY THICKENING MERISTEM AND THE SECONDARY THICKENING MERISTEM IN <i>YUCCA WHIPPLEI</i> TORR. III. OBSERVATIONS FROM HISTOCHEMISTRY AND AUTORADIOGRAPHY. <i>American Journal of Botany</i> , 1984, 71, 1260-1267.	1.7	4

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55	Lack of reproductive plasticity in alpine <i>Saxifraga rhomboidea</i> (Saxifragaceae). <i>Nordic Journal of Botany</i> , 2002, 22, 361-368.	0.5	4
56	Symmetry in Plants: Introduction. <i>International Journal of Plant Sciences</i> , 1999, 160, S1-S2.	1.3	2
57	On the nature of things <sup>1</sup> . <i>American Journal of Botany</i> , 2015, 102, 3-4.	1.7	1
58	The <i>American Journal of Botany</i> in 2017: Let's work together!. <i>American Journal of Botany</i> , 2017, 104, 3-4.	1.7	1
59	Preforming floral primordia converge on a narrow range of stages at dormancy despite multiple effects of temperature on development. <i>New Phytologist</i> , 2022, 233, 2599-2613.	7.3	1
60	The Relationship Between the Primary Thickening Meristem and the Secondary Thickening Meristem in <i>Yucca whipplei</i> Torr. III. Observations from Histochemistry and Autoradiography. <i>American Journal of Botany</i> , 1984, 71, 1260.	1.7	1
61	Editorial: The beginning of a new partnership. <i>American Journal of Botany</i> , 2018, 105, 3-4.	1.7	0
62	Editorial: The beginning of a new partnership. <i>Applications in Plant Sciences</i> , 2018, 6, e1018.	2.1	0
63	<i>AJB</i> announces a new Reviews Section. <i>American Journal of Botany</i> , 2020, 107, 1327-1327.	1.7	0