Beverley J Glover

List of Publications by Year
in descending order

97 papers	7,250 citations	61984 43 h-index	58581 82 g-index
99 all docs	99 docs citations	99 times ranked	7226 citing authors

#	Article	IF	Citations
1	Molecular biology for green recoveryâ€"A call for action. PLoS Biology, 2022, 20, e3001623.	5.6	5
2	The land plantâ€specific MIXTAâ€MYB lineage is implicated in the early evolution of the plant cuticle and the colonization of land. New Phytologist, 2021, 229, 2324-2338.	7.3	29
3	Flower Inspiration: Broadâ€Angle Structural Color through Tunable Hierarchical Wrinkles in Thin Film Multilayers. Advanced Functional Materials, 2021, 31, 2006256.	14.9	34
4	Using structural colour to track length scale of cellâ€wall layers in developing <i>Pollia japonica</i> fruits. New Phytologist, 2021, 230, 2327-2336.	7.3	4
5	Mechanical buckling can pattern the light-diffracting cuticle of Hibiscus trionum. Cell Reports, 2021, 36, 109715.	6.4	13
6	Guest Essay A lesson for Botanic Gardens from the Covid-19 pandemic: reaching wider audiences through online activity. Sibbaldia the International Journal of Botanic Garden Horticulture, 2021, , .	0.1	0
7	Cell wall composition determines handedness reversal in helicoidal cellulose architectures of <i>Pollia condensata</i> fruits. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
8	Evoâ€"Devo: Tinkering with the Stem Cell Niche to Produce Thorns. Current Biology, 2020, 30, R873-R875.	3.9	2
9	Molecular Mechanisms of Pollination Biology. Annual Review of Plant Biology, 2020, 71, 487-515.	18.7	39
10	Disordered wax platelets on<i>Tradescantia pallida</i>leaves create golden shine. Faraday Discussions, 2020, 223, 207-215.	3.2	7
11	The mechanics of nectar offloading in the bumblebee<i>Bombus terrestris</i>and implications for optimal concentrations during nectar foraging. Journal of the Royal Society Interface, 2020, 17, 20190632.	3.4	13
12	TTG1 proteins regulate circadian activity as well as epidermal cell fate and pigmentation. Nature Plants, 2019, 5, 1145-1153.	9.3	22
13	Direct Depolymerization Coupled to Liquid Extraction Surface Analysis-High-Resolution Mass Spectrometry for the Characterization of the Surface of Plant Tissues. Analytical Chemistry, 2019, 91, 8326-8333.	6.5	5
14	Macroevolutionary dynamics of nectar spurs, a key evolutionary innovation. New Phytologist, 2019, 222, 1123-1138.	7.3	34
15	The cellular and genetic basis of structural colour in plants. Current Opinion in Plant Biology, 2019, 47, 81-87.	7.1	21
16	Joining the dots. Nature Plants, 2018, 4, 10-11.	9.3	2
17	Beverley Glover. Current Biology, 2018, 28, R248-R249.	3.9	0
18	An analysis of the energetic reward offered by field bean (<i>Vicia faba</i>) flowers: Nectar, pollen, and operative force. Ecology and Evolution, 2018, 8, 3161-3171.	1.9	48

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19	Resolving Recent Plant Radiations: Power and Robustness of Genotyping-by-Sequencing. Systematic Biology, 2018, 67, 250-268.	5.6	78
20	Viral Manipulation of Plant Stress Responses and Host Interactions With Insects. Advances in Virus Research, 2018, 102, 177-197.	2.1	48
21	A synopsis of the Iberian clade of Linaria subsect. Versicolores (Antirrhineae, Plantaginaceae) based on integrative taxonomy. Plant Systematics and Evolution, 2018, 304, 871-884.	0.9	2
22	Ultrastructure and optics of the prismâ€like petal epidermal cells of <i>Eschscholzia californica</i> (California poppy). New Phytologist, 2018, 219, 1124-1133.	7.3	28
23	The effect of the â€˜Bee Gymâ„¢â€™ grooming device on Varroa destructor mite fall from honey bee (Apis) Tj ETQq1 1 0.784314 rgBT /	1.5	0
24	The physics of pollinator attraction. New Phytologist, 2017, 216, 350-354.	7.3	32
25	The evo-devo of plant speciation. Nature Ecology and Evolution, 2017, 1, 110.	7.8	51
26	Disorder in convergent floral nanostructures enhances signalling to bees. Nature, 2017, 550, 469-474.	27.8	120
27	The Evolution of Diverse Floral Morphologies. Current Biology, 2017, 27, R941-R951.	3.9	85
28	The impact of floral spot and ring markings on pollinator foraging dynamics. Evolutionary Ecology, 2017, 31, 193-204.	1.2	25
29	Virus Infection of Plants Alters Pollinator Preference: A Payback for Susceptible Hosts?. PLoS Pathogens, 2016, 12, e1005790.	4.7	86
30	Structural colour from helicoidal cell-wall architecture in fruits of<i>Margaritaria nobilis</i>. Journal of the Royal Society Interface, 2016, 13, 20160645.	3.4	55
31	Flower Iridescence Increases Object Detection in the Insect Visual System without Compromising Object Identity. Current Biology, 2016, 26, 802-808.	3.9	43
32	How can an understanding of plantâ€"pollinator interactions contribute to global food security?. Current Opinion in Plant Biology, 2015, 26, 72-79.	7.1	68
33	How Have Advances in Comparative Floral Development Influenced Our Understanding of Floral Evolution?. International Journal of Plant Sciences, 2015, 176, 307-323.	1.3	22
34	Is floral iridescence a biologically relevant cue in plantâ€"pollinator signalling? A response to van der Kooi <i>etÂal</i>. (2014b). New Phytologist, 2015, 205, 21-22.	7.3	7
35	Direct Surface Analysis Coupled to High-Resolution Mass Spectrometry Reveals Heterogeneous Composition of the Cuticle of <i>Hibiscus trionum</i> Petals. Analytical Chemistry, 2015, 87, 9900-9907.	6.5	17
36	The flower of <i><scp>H</scp>ibiscus trionum</i> is both visibly and measurably iridescent. New Phytologist, 2015, 205, 97-101.	7.3	97

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37	Natural Helicoidal Structures: Morphology, Self-assembly and Optical Properties. Materials Today: Proceedings, 2014, 1, 177-185.	1.8	100
38	Paralogous Radiations of PIN Proteins with Multiple Origins of Noncanonical PIN Structure. Molecular Biology and Evolution, 2014, 31, 2042-2060.	8.9	111
39	Controlled, Bioâ€inspired Selfâ€Assembly of Celluloseâ€Based Chiral Reflectors. Advanced Optical Materials, 2014, 2, 646-650.	7.3	179
40	Variety is the spice of life: the enormous diversity of plant biotic interactions. Current Opinion in Plant Biology, 2013, 16, 397-399.	7.1	1
41	My favourite flowering image. Journal of Experimental Botany, 2013, 64, 5775-5777.	4.8	2
42	Structural Color and Iridescence in Transparent Sheared Cellulosic Films. Macromolecular Chemistry and Physics, 2013, 214, 25-32.	2.2	89
43	The influence of pigmentation patterning on bumblebee foraging from flowers of Antirrhinum majus. Die Naturwissenschaften, 2013, 100, 249-256.	1.6	20
44	How to spot a flower. New Phytologist, 2013, 197, 687-689.	7.3	33
45	Buckling as an origin of ordered cuticular patterns in flower petals. Journal of the Royal Society Interface, 2013, 10, 20120847.	3.4	46
46	Evolutionary Analysis of the MIXTA Gene Family Highlights Potential Targets for the Study of Cellular Differentiation. Molecular Biology and Evolution, 2013, 30, 526-540.	8.9	61
47	Analysing photonic structures in plants. Journal of the Royal Society Interface, 2013, 10, 20130394.	3.4	178
48	Androecial evolution in Caryophyllales in light of a paraphyletic Molluginaceae. American Journal of Botany, 2013, 100, 1757-1778.	1.7	29
49	Directional scattering from the glossy flower of <i>Ranunculus</i> : how the buttercup lights up your chin. Journal of the Royal Society Interface, 2012, 9, 1295-1301.	3.4	40
50	Pointillist structural color in <i>Pollia</i> fruit. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15712-15715.	7.1	475
51	An Arabidopsis rhomboid protease has roles in the chloroplast and in flower development. Journal of Experimental Botany, 2012, 63, 3559-3570.	4.8	37
52	Flower-specific KNOX phenotype in the orchid Dactylorhiza fuchsii. Journal of Experimental Botany, 2012, 63, 4811-4819.	4.8	18
53	The mirror crack'd: both pigment and structure contribute to the glossy blue appearance of the mirror orchid, <i>Ophrys speculum</i>. New Phytologist, 2012, 196, 1038-1047.	7.3	47
54	Anthocyanins. Current Biology, 2012, 22, R147-R150.	3.9	83

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55	Flower movement increases pollinator preference for flowers with better grip. Functional Ecology, 2012, 26, 941-947.	3.6	38
56	Determining the Contribution of Epidermal Cell Shape to Petal Wettability Using Isogenic Antirrhinum Lines. PLoS ONE, 2011, 6, e17576.	2.5	30
57	THE CONTRIBUTION OF EPIDERMAL STRUCTURE TO FLOWER COLOUR IN THE SOUTH AFRICAN FLORA. Curtis's Botanical Magazine, 2011, 28, 349-371.	0.3	14
58	Characterization of <i>Linaria KNOX</i> genes suggests a role in petalâ€spur development. Plant Journal, 2011, 68, 703-714.	5.7	44
59	Complex pigment evolution in the Caryophyllales. New Phytologist, 2011, 190, 854-864.	7.3	184
60	Species arguments: clarifying competing concepts of species delimitation in the pseudo-copulatory orchid genus Ophrys. Botanical Journal of the Linnean Society, 2011, 165, 336-347.	1.6	41
61	Pollinator Attraction: The Importance of Looking Good and Smelling Nice. Current Biology, 2011, 21, R307-R309.	3.9	24
62	Floral epidermal structure and flower orientation: getting to grips with awkward flowers. Arthropod-Plant Interactions, 2011, 5, 279-285.	1.1	32
63	Why do so many petals have conical epidermal cells?. Annals of Botany, 2011, 108, 609-616.	2.9	147
64	Comparative labellum micromorphology of the sexually deceptive temperate orchid genus<i>Ophrys</i>: diverse epidermal cell types and multiple origins of structural colour. Botanical Journal of the Linnean Society, 2010, 162, 504-540.	1.6	47
65	An Arabidopsis flavonoid transporter is required for anther dehiscence and pollen development. Journal of Experimental Botany, 2010, 61, 439-451.	4.8	109
66	Function of blue iridescence in tropical understorey plants. Journal of the Royal Society Interface, 2010, 7, 1699-1707.	3.4	86
67	Identifying the transporters of different flavonoids in plants. Plant Signaling and Behavior, 2010, 5, 860-863.	2.4	11
68	A plant developmentalist's guide to paedomorphosis: reintroducing a classic concept to a new generation. Trends in Plant Science, 2010, 15, 241-246.	8.8	36
69	Structural colour and iridescence in plants: the poorly studied relations of pigment colour. Annals of Botany, 2010, 105, 505-511.	2.9	150
70	Development of a complex floral trait: The pollinatorâ€attracting petal spots of the beetle daisy, <i>Gorteria diffusa</i> (Asteraceae). American Journal of Botany, 2009, 96, 2184-2196.	1.7	64
71	Grip and slip. Communicative and Integrative Biology, 2009, 2, 505-508.	1.4	25
72	Contributions of iridescence to floral patterning. Communicative and Integrative Biology, 2009, 2, 230-232.	1.4	29

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73	Conical Epidermal Cells Allow Bees to Grip Flowers and Increase Foraging Efficiency. Current Biology, 2009, 19, 948-953.	3.9	169
74	Wind gusts and plant aeroelasticity effects on the aerodynamics of pollen shedding: A hypothetical turbulence-initiated wind-pollination mechanism. Journal of Theoretical Biology, 2009, 259, 785-792.	1.7	24
75	Plant extracellular ATP signalling by plasma membrane NADPH oxidase and Ca²⁺channels. Plant Journal, 2009, 58, 903-913.	5.7	191
76	Floral Iridescence, Produced by Diffractive Optics, Acts As a Cue for Animal Pollinators. Science, 2009, 323, 130-133.	12.6	345
77	The interaction of temperature and sucrose concentration on foraging preferences in bumblebees. Die Naturwissenschaften, 2008, 95, 845-850.	1.6	86
78	Floral ontogenetic evidence of repeated speciation via paedomorphosis in subtribe Orchidinae (Orchidaceae). Botanical Journal of the Linnean Society, 2008, 157, 429-454.	1.6	53
79	CYTOKININ INDEPENDENT-1 regulates levels of different forms of cytokinin in Arabidopsis and mediates response to nutrient stress. Journal of Plant Physiology, 2008, 165, 251-261.	3.5	13
80	Duplication and Functional Diversification of HAP3 Genes Leading to the Origin of the Seed-Developmental Regulatory Gene, LEAFY COTYLEDON1 (LEC1), in Nonseed Plant Genomes. Molecular Biology and Evolution, 2008, 25, 1581-1592.	8.9	56
81	Vortex shedding model of a flapping flag. Journal of Fluid Mechanics, 2008, 617, 1-10.	3.4	139
82	A truncated MYB transcription factor from Antirrhinum majus regulates epidermal cell outgrowth. Journal of Experimental Botany, 2007, 58, 1515-1524.	4.8	37
83	Functional aspects of cell patterning in aerial epidermis. Current Opinion in Plant Biology, 2007, 10, 70-82.	7.1	95
84	Mutations perturbing petal cell shape and anthocyanin synthesis influence bumblebee perception of Antirrhinum majus flower colour. Arthropod-Plant Interactions, 2007, 1, 45-55.	1.1	116
85	Morphology and development of floral features recognised by pollinators. Arthropod-Plant Interactions, 2007, 1, 147-158.	1.1	30
86	Molecular evidence for multiple polyploidization and lineage recombination in the Chrysanthemum indicum polyploid complex (Asteraceae). New Phytologist, 2006, 171, 875-886.	7.3	73
87	Bees associate warmth with floral colour. Nature, 2006, 442, 525-525.	27.8	170
88	Asymmetric evolution of duplicate genes encoding the CCAATâ€binding factor NFâ€Y in plant genomes. New Phytologist, 2005, 165, 623-632.	7.3	47
89	MYBâ€“bHLHâ€“WD40 protein complex and the evolution of cellular diversity. Trends in Plant Science, 2005, 10, 63-70.	8.8	891
90	Lipid microdomains â€“ plant membranes get organized. Trends in Plant Science, 2005, 10, 263-265.	8.8	60

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91	Convergent evolution within the genus Solanum: the specialised anther cone develops through alternative pathways. Gene, 2004, 331, 1-7.	2.2	51
92	Is ATP a Signaling Agent in Plants?. Plant Physiology, 2003, 133, 456-461.	4.8	165
93	Cellular differentiation in the shoot epidermis. Current Opinion in Plant Biology, 1998, 1, 511-519.	7.1	11
94	The role of petal cell shape and pigmentation in pollination success in Antirrhinum majus. Heredity, 1998, 80, 778-784.	2.6	151
95	Low genetic diversity in the Scottish endemic Primula scotica Hook.. New Phytologist, 1995, 129, 147-153.	7.3	44
96	Flower colour intensity depends on specialized cell shape controlled by a Myb-related transcription factor. Nature, 1994, 369, 661-664.	27.8	421
97	Conical petal epidermal cells, regulated by the MYB transcription factor MIXTA, have an ancient origin within the angiosperms. Journal of Experimental Botany, 0, , .	4.8	2