Diego Demarco

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Laticifers, Latex, and Their Role in Plant Defense. Trends in Plant Science, 2019, 24, 553-567.	8.8	89
2	Manipulation of a Senescence-Associated Gene Improves Fleshy Fruit Yield. Plant Physiology, 2017, 175, 77-91.	4.8	74
3	Nitric Oxide, Ethylene, and Auxin Cross Talk Mediates Greening and Plastid Development in Deetiolating Tomato Seedlings. Plant Physiology, 2016, 170, 2278-2294.	4.8	63
4	Fruit-localized phytochromes regulate plastid biogenesis, starch synthesis, and carotenoid metabolism in tomato. Journal of Experimental Botany, 2018, 69, 3573-3586.	4.8	53
5	Histochemical Analysis of Plant Secretory Structures. Methods in Molecular Biology, 2017, 1560, 313-330.	0.9	41
6	Down-regulation of tomato<i>PHYTOL KINASE</i>strongly impairs tocopherol biosynthesis and affects prenyllipid metabolism in an organ-specific manner. Journal of Experimental Botany, 2016, 67, 919-934.	4.8	39
7	Phytochromobilin deficiency impairs sugar metabolism through the regulation of cytokinin and auxin signaling in tomato fruits. Scientific Reports, 2017, 7, 7822.	3.3	39
8	LaticÃferos articulados anastomosados: novos registros para Apocynaceae. Revista Brasileira De Botanica, 2006, 29, 133-144.	1.3	36
9	Galacturonosyltransferase 4 silencing alters pectin composition and carbon partitioning in tomato. Journal of Experimental Botany, 2013, 64, 2449-2466.	4.8	34
10	Beyond the limits of photoperception: constitutively active PHYTOCHROME B2 overexpression as a means of improving fruit nutritional quality in tomato. Plant Biotechnology Journal, 2020, 18, 2027-2041.	8.3	34
11	Solanum lycopersicum GOLDEN 2-LIKE 2 transcription factor affects fruit quality in a light- and auxin-dependent manner. PLoS ONE, 2019, 14, e0212224.	2.5	33
12	Spatial patterns of photosynthesis in thin- and thick-leaved epiphytic orchids: unravelling C3â€“CAM plasticity in an organ-compartmented way. Annals of Botany, 2013, 112, 17-29.	2.9	32
13	Two laticifer systems in <i>Sapium haematospermum</i> â€” new records for Euphorbiaceae. Botany, 2013, 91, 545-554.	1.0	30
14	Protection and attraction: bracts and secretory structures in reduced inflorescences of Malpighiales. Flora: Morphology, Distribution, Functional Ecology of Plants, 2016, 220, 52-62.	1.2	29
15	Silencing of the tomato Sugar Partitioning Affecting protein (<scp>SPA</scp>) modifies sink strength through a shift in leaf sugar metabolism. Plant Journal, 2014, 77, 676-687.	5.7	28
16	Colleters in Asclepiadoideae (Apocynaceae): Protection of Meristems against Desiccation and New Functions Assigned. International Journal of Plant Sciences, 2017, 178, 465-477.	1.3	28
17	C₄ and crassulacean acid metabolism within a single leaf: deciphering key components behind a rare photosynthetic adaptation. New Phytologist, 2020, 225, 1699-1714.	7.3	26
18	Diversity of floral nectary secretions and structure, and implications for their evolution in Anacardiaceae. Botanical Journal of the Linnean Society, 2018, 187, 209-231.	1.6	23

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19	LaticÃferos articulados anastomosados em espÃ©cies de Asclepiadeae (Asclepiadoideae, Apocynaceae) e suas implicaÃ§Ãµes ecolÃ³gicas. Revista Brasileira De Botanica, 2008, 31, 701-713.	1.3	22
20	Phytochrome-Dependent Temperature Perception Modulates Isoprenoid Metabolism. Plant Physiology, 2020, 183, 869-882.	4.8	21
21	Laticifer development and its growth mode in <i>Allamanda blanchetii</i> A. DC. (Apocynaceae). Journal of the Torrey Botanical Society, 2017, 144, 303-312.	0.3	20
22	Foliar colleters in Anacardiaceae: first report for the family. Botany, 2016, 94, 337-346.	1.0	19
23	A Tomato Tocopherol Binding Protein Sheds Light on Intracellular Î±-tocopherol Metabolism in Plants. Plant and Cell Physiology, 2018, 59, 2188-2203.	3.1	19
24	Phylogeny of Schinus L. (Anacardiaceae) with a new infrageneric classification and insights into evolution of spinescence and floral traits. Molecular Phylogenetics and Evolution, 2019, 133, 302-351.	2.7	18
25	Micromorphology and Histochemistry of the Laticifers from Vegetative Organs of Asclepiadoideae species (Apocynaceae). Acta Biologica Colombiana, 2014, 20, 57-65.	0.4	17
26	Transfer cells in trichomatous nectary in Adenocalymma magnificum (Bignoniaceae). Anais Da Academia Brasileira De Ciencias, 2016, 88, 527-537.	0.8	17
27	Comparative floral structure and evolution in Galipeinae (Galipeeae: Rutaceae) and its implications at different systematic levels. Botanical Journal of the Linnean Society, 2019, 191, 30-101.	1.6	17
28	Floral glands in asclepiads: structure, diversity and evolution. Acta Botanica Brasilica, 2017, 31, 477-502.	0.8	16
29	Laticifers and Secretory Ducts: Similarities and Differences. , 0, , .		16
30	Secretory ducts in Anacardiaceae revisited: Updated concepts and new findings based on histochemical evidence. South African Journal of Botany, 2021, 138, 394-405.	2.5	16
31	Corona development and floral nectaries of Asclepiadeae (Asclepiadoideae, Apocynaceae). Acta Botanica Brasilica, 2017, 31, 420-432.	0.8	13
32	Impact of tank formation on distribution and cellular organization of trichomes within Guzmania monostachia rosette. Flora: Morphology, Distribution, Functional Ecology of Plants, 2018, 243, 11-18.	1.2	12
33	Osmophores and floral fragrance in<i>Anacardium humile</i>and<i>Mangifera indica</i>(Anacardiaceae): an overlooked secretory structure in Sapindales. AoB PLANTS, 2018, 10, ply062.	2.3	11
34	Structure and development of flowers and inflorescences in Peraceae and Euphorbiaceae and the evolution of pseudanthia in Malpighiales. PLoS ONE, 2018, 13, e0203954.	2.5	11
35	Using leaf anatomy to solve taxonomic problems within the <i>Anemopaegma arvense</i> species complex (Bignonieae, Bignoniaceae). Nordic Journal of Botany, 2014, 32, 620-631.	0.5	10
36	A new species of Anemopaegma (Bignonieae, Bignoniaceae) from the Atlantic Forest of Brazil. Phytotaxa, 2015, 219, 174.	0.3	10

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37	Perfume production in flowers of Angelonia salicariifolia attracts males of Euglossa annectans which do not promote pollination. Apidologie, 2015, 46, 84-91.	2.0	10
38	Evolution of reproductive traits in the mahagony family (Meliaceae). Journal of Systematics and Evolution, 2021, 59, 21-43.	3.1	10
39	Laticifers in Sapindaceae: Structure, Evolution and Phylogenetic Importance. Frontiers in Plant Science, 2020, 11, 612985.	3.6	10
40	Phenolic Compounds Produced by Secretory Structures in Plants: A Brief Review. Natural Product Communications, 2008, 3, 1934578X0800300.	0.5	9
41	Secretory Tissues and the Morphogenesis and Histochemistry of Pollinarium in Flowers of Asclepiadeae (Apocynaceae). International Journal of Plant Sciences, 2014, 175, 1042-1053.	1.3	9
42	Presumed domatia are actually extrafloral nectaries on leaves of Anacardium humile (Anacardiaceae). Rodriguesia, 2016, 67, 19-28.	0.9	9
43	Pericarp ontogeny of Tapirira guianensis Aubl. (Anacardiaceae) reveals a secretory endocarp in young stage. Acta Botanica Brasilica, 2017, 31, 319-329.	0.8	9
44	Plant latex and latex-borne defense. Advances in Botanical Research, 2020, , 1-25.	1.1	9
45	Diversity and evolution of secretory structures in Sapindales. Revista Brasileira De Botanica, 2022, 45, 251-279.	1.3	9
46	Pericarp ontogeny and histochemistry of the exotesta and pseudocaruncle of Euphorbia milii (Euphorbiaceae). Rodriguesia, 2011, 62, 477-489.	0.9	8
47	Floral Structure and Development Reveal Presence of Petals in<i>Phyllanthus</i>L. (Phyllanthaceae). International Journal of Plant Sciences, 2016, 177, 749-759.	1.3	8
48	Reproductive phenology and floral visitors of a Langsdorffia hypogaea (Balanophoraceae) population in Brazil. Flora: Morphology, Distribution, Functional Ecology of Plants, 2017, 233, 51-57.	1.2	7
49	Diversity of Floral Glands and Their Secretions in Pollinator Attraction. Reference Series in Phytochemistry, 2020, , 709-754.	0.4	7
50	Two Origins, Two Functions: The Discovery of Distinct Secretory Ducts Formed during the Primary and Secondary Growth in Kielmeyera. Plants, 2021, 10, 877.	3.5	7
51	Phenolic Compounds in Leaves of <i>Alchornea Triplinervia:</i> Anatomical Localization, Mutagenicity, and Antibacterial Activity. Natural Product Communications, 2010, 5, 1934578X1000500.	0.5	6
52	What reproductive traits tell us about the evolution and diversification of the tree-of-heaven family, Simaroubaceae. Revista Brasileira De Botanica, 2022, 45, 367-397.	1.3	6
53	Revisiting pericarp structure, dehiscence and seed dispersal in Galipeeae (Zanthoxyloideae, Rutaceae). Revista Brasileira De Botanica, 2022, 45, 415-429.	1.3	6
54	Leaf anatomical features of three Theobroma species (Malvaceae s.l.) native to the Brazilian Amazon. Acta Amazonica, 2014, 44, 291-300.	0.7	5

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55	Structure and distribution of glandular trichomes in three species of Bignoniaceae. Acta Amazonica, 2015, 45, 347-354.	0.7	5
56	Monoterpenes from the essential oil from Brazilian propolis affect seedling cellular elongation. Revista Brasileira De Botanica, 2017, 40, 609-615.	1.3	5
57	Flower Structure and Development of Spondias tuberosa and Tapirira guianensis (Spondioideae): Implications for the Evolution of the Unisexual Flowers and Pseudomonomery in Anacardiaceae. International Journal of Plant Sciences, 0, , 000-000.	1.3	5
58	Phenolic compounds in leaves of Alchornea triplinervia: anatomical localization, mutagenicity, and antibacterial activity. Natural Product Communications, 2010, 5, 1225-32.	0.5	5
59	Stipules in Apocynaceae: an ontogenetic perspective. AoB PLANTS, 2017, 9, plw083.	2.3	4
60	Floral development in Hura crepitans (Euphorbiaceae): a bat-pollinated species with multicarpellate gynoecium. Revista Brasileira De Botanica, 2019, 42, 509-519.	1.3	4
61	Structure of long-tubed white corollas: A case study from the trumpet-creeper family (Bignoniaceae). Flora: Morphology, Distribution, Functional Ecology of Plants, 2020, 268, 151598.	1.2	4
62	Fruit morphoanatomy of Astronium Jacq. and Myracrodruon AllemÃ£o (Anacardiaceae): taxonomic implications and development of the calycinal wings. Revista Brasileira De Botanica, 0, , 1.	1.3	4
63	Gynodioecy in Trichilia (Meliaceae) and a peculiar case of male sterility due to tapetal necrotic cell death. Revista Brasileira De Botanica, 2022, 45, 449-462.	1.3	4
64	Cell-to-cell trafficking patterns in cell lines of Araucaria angustifolia (Brazilian pine) with contrasting embryogenic potential. Plant Cell, Tissue and Organ Culture, 2022, 148, 81-93.	2.3	4
65	Stinging Trichomes in Apocynaceae and Their Evolution in Angiosperms. Plants, 2021, 10, 2324.	3.5	4
66	Ontogeny, histochemistry, and structure of the glandular trichomes in Bignonia aequinoctialis (Bignoniaceae). Revista Brasileira De Botanica, 2013, 36, 291-297.	1.3	3
67	Staminal wing and a novel secretory structure of asclepiads. Botany, 2017, 95, 763-772.	1.0	3
68	Diversity of Floral Glands and Their Secretions in Pollinator Attraction. Reference Series in Phytochemistry, 2019, , 1-46.	0.4	3
69	Structure and development of flowers inLepidagathisand implications for systematics of the genus and floral evolution in Acanthaceae. Botanical Journal of the Linnean Society, 2019, 189, 153-168.	1.6	3
70	Spicoid ontogeny in Diplasia (Mapanioideae, Cyperaceae): an approach on the developmental processes operating in Mapanioideae spicoids. Plant Systematics and Evolution, 2020, 306, 1.	0.9	3
71	Gynoecium structure in Sapindales and a case study of Trichilia pallens (Meliaceae). Journal of Plant Research, 2022, 135, 157-190.	2.4	3
72	Flower development in species of Croton (Euphorbiaceae) and its implications for floral morphological diversity in the genus. Australian Journal of Botany, 2017, 65, 538.	0.6	2

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73	Diversity of Floral Glands and Their Secretions in Pollinator Attraction. Reference Series in Phytochemistry, 2019, , 1-46.	0.4	2
74	Floral structure and development in Alchornea sidifolia (Acalyphoideae) and the evolution of wind pollination in Euphorbiaceae. Revista Brasileira De Botanica, 2019, 42, 307-317.	1.3	2
75	Crystal structure and specific location of a germin-like protein with proteolytic activity from Thevetia peruviana. Plant Science, 2020, 298, 110590.	3.6	2
76	Secretory Patterns in Colleters of Apocynaceae. Plants, 2021, 10, 2770.	3.5	2
77	Evidence of trimonoecy in Phyllanthaceae: Phyllanthus acidus. Plant Systematics and Evolution, 2011, 296, 283-286.	0.9	1
78	Structure of the flower ofSimaba(Simaroubaceae) and its anatomical novelties. Botanical Journal of the Linnean Society, 2016, , .	1.6	1
79	Diversity of Floral Glands and Their Secretions in Pollinator Attraction. Reference Series in Phytochemistry, 2019, , 1-46.	0.4	1
80	Spicoid morphology of Mapanioideae (Cyperaceae): an evolutionary perspective. Botanical Journal of the Linnean Society, 2022, 198, 165-185.	1.6	1
81	Calicinal trichomes of Adenocalymma magnificum (Bignoniaceae) producing lipophilic substances: ultrastructural and functional aspects. Revista De Biologia Tropical, 2015, 63, 537.	0.4	1
82	Adnate Leaf-Base and the Origin of Ribs in Succulent Stems of Euphorbia L.. Plants, 2022, 11, 1076.	3.5	1
83	Peculiar anatomical traits, high durability, and potential ornamental use of Cyclanthaceae as fresh foliage. Anais Da Academia Brasileira De Ciencias, 2017, 89, 2399-2410.	0.8	0
84	Editorial: Diversity and evolution of Neotropical Sapindales. Revista Brasileira De Botanica, 0, , 1.	1.3	0