

Diego Ismael Rocha

List of Publications by Year in descending order

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733
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567144

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#	ARTICLE	IF	CITATIONS
1	Somatic embryogenesis of a wild passion fruit species <i>Passiflora cincinnata</i> Masters: histocytological and histochemical evidences. <i>Protoplasma</i> , 2012, 249, 747-758.	1.0	47
2	Novel functions of the <i>Arabidopsis</i> transcription factor <i>TCP5</i> in petal development and ethylene biosynthesis. <i>Plant Journal</i> , 2018, 94, 867-879.	2.8	46
3	Morpho-histological, histochemical, and molecular evidences related to cellular reprogramming during somatic embryogenesis of the model grass <i>Brachypodium distachyon</i> . <i>Protoplasma</i> , 2017, 254, 2017-2034.	1.0	35
4	Blue and red light affects morphogenesis and 20-hydroxyecdysone content of in vitro <i>Pfaffia glomerata</i> accessions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111761.	1.7	35
5	CO ₂ -enriched atmosphere and supporting material impact the growth, morphophysiology and ultrastructure of in vitro Brazilian-ginseng [<i>Pfaffia glomerata</i> (Spreng.) Pedersen] plantlets. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 87-99.	1.2	34
6	Alternative induction of de novo shoot organogenesis or somatic embryogenesis from in vitro cultures of mature zygotic embryos of passion fruit (<i>Passiflora edulis</i> Sims) is modulated by the ratio between auxin and cytokinin in the medium. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 1087-1098.	1.2	34
7	Cellular and molecular changes associated with competence acquisition during passion fruit somatic embryogenesis: ultrastructural characterization and analysis of SERK gene expression. <i>Protoplasma</i> , 2016, 253, 595-609.	1.0	32
8	Anatomical and ultrastructural analyses of in vitro organogenesis from root explants of commercial passion fruit (<i>Passiflora edulis</i> Sims). <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 111, 69-78.	1.2	30
9	In vitro plant regeneration of <i>Passiflora setacea</i> D.C. (Passifloraceae): the influence of explant type, growth regulators, and incubation conditions. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 738-745.	0.9	26
10	Characterization of seed germination and protocorm development of <i>Cyrtopodium glutiniferum</i> (Orchidaceae) promoted by mycorrhizal fungi <i>Epulorhiza</i> spp.. <i>Acta Botanica Brasilica</i> , 2015, 29, 567-574.	0.8	23
11	Morphoanatomy and development of leaf secretory structures in <i>Passiflora amethystina</i> Mikan (Passifloraceae). <i>Australian Journal of Botany</i> , 2009, 57, 619.	0.3	21
12	In vitro regeneration of triploid plants from mature endosperm culture of commercial passionfruit (<i>P. edulis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	20
13	Histochemical evaluation of induction of somatic embryogenesis in <i>Passiflora edulis</i> Sims (Passifloraceae). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2015, 51, 539-545.	0.9	19
14	In vitro organogenesis from root culture segments of <i>Bixa orellana</i> L. (Bixaceae). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 76-83.	0.9	18
15	Early detection of injuries in leaves of <i>Clusia hilariana</i> Schtdl. (Clusiaceae) caused by particulate deposition of iron. <i>Revista Arvore</i> , 2014, 38, 423-432.	0.5	17
16	Efeitos fitotóxicos do fluoreto na morfoanatomia foliar de <i>Brachiaria brizantha</i> (Hochst. ex A. Rich.) Stapf e <i>Brachiaria decumbens</i> Stapf (Poaceae). <i>Acta Botanica Brasilica</i> , 2009, 23, 1027-1033.	0.8	16
17	A passion fruit putative ortholog of the SOMATIC EMBRYOGENESIS RECEPTOR KINASE1 gene is expressed throughout the in vitro de novo shoot organogenesis developmental program. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 125, 107-117.	1.2	15
18	Somatic embryogenesis and de novo shoot organogenesis can be alternatively induced by reactivating pericycle cells in <i>Lisianthus</i> (<i>Eustoma grandiflorum</i> (Raf.) Shinnery) root explants. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2017, 53, 209-218.	0.9	15

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19	Gas exchange rates and sucrose concentrations affect plant growth and production of flavonoids in <i>Vernonia condensata</i> grown in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 593-605.	1.2	15
20	Tissue culture and biotechnological techniques applied to passion fruit with ornamental potential: an overview. <i>Ornamental Horticulture</i> , 2019, 25, 189-199.	0.4	15
21	Molecular overview on plant somatic embryogenesis.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , 1-17.	0.6	14
22	Brassinosteroid increases the cytokinin efficiency to induce direct somatic embryogenesis in leaf explants of <i>Coffea arabica</i> L. (Rubiaceae). <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 135, 63-71.	1.2	14
23	Comprehensive metabolic reprogramming in freshwater <i>Nitzschia palea</i> strains undergoing nitrogen starvation is likely associated with its ecological origin. <i>Algal Research</i> , 2016, 18, 116-126.	2.4	13
24	Histology and Histochemistry of Somatic Embryogenesis. , 2016, , 471-494.		11
25	High responsiveness in de novo shoot organogenesis induction of <i>Passiflora cristalina</i> (Passifloraceae), a wild Amazonian passion fruit species. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2018, 54, 166-174.	0.9	11
26	Cellular and Morpho-histological Foundations of In Vitro Plant Regeneration. <i>Methods in Molecular Biology</i> , 2018, 1815, 47-68.	0.4	10
27	Leaf Morpho-anatomical Structure Determines Differential Response Among <i>Restinga</i> Species Exposed to Emissions from an Iron Ore Pelletizing Plant. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	10
28	Repetitive somatic embryogenesis from wild passion fruit (<i>Passiflora cincinnata</i> Mast.) anthers. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 146, 635-641.	1.2	10
29	CO2 enrichment and supporting material impact the primary metabolism and 20-hydroxyecdysone levels in Brazilian ginseng grown under photoautotrophy. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 77-89.	1.2	9
30	Endosperm culture: a facile and efficient biotechnological tool to generate passion fruit (<i>Passiflora</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	9
31	CO2 enrichment alters morphophysiology and improves growth and acclimatization in <i>Etilingera Elatior</i> (Jack) R.M. Smith micropropagated plants. <i>Revista Brasileira De Botanica</i> , 2021, 44, 799-809.	0.5	9
32	<i>Passiflora</i> spp. Passionfruit.. , 2020, , 381-408.		9
33	Novel and efficient transformation of wild passion fruit (<i>Passiflora cincinnata</i> Mast.) using sonication-assisted <i>Agrobacterium</i> -mediated transformation. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2021, 57, 380-386.	0.9	7
34	Leaf development and anatomy of in vitro-grown <i>Polygala paniculata</i> L. are affected by light quality, gelling agents, and sucrose. <i>Vegetos</i> , 2021, 34, 19-28.	0.8	7
35	Auxin and physical constraint exerted by the perianth promote androgynophore bending in <i>Passiflora mucronata</i> L. (Passifloraceae). <i>Plant Biology</i> , 2015, 17, 639-646.	1.8	6
36	Somatic embryogenesis induced from vascular tissues in leaf explants of <i>Lisianthus</i> (<i>Eustoma</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.8	6

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37	Albinism in plants “ far beyond the loss of chlorophyll: Structural and physiological aspects of wild-type and albino royal poinciana (<i>Delonix regia</i>) seedlings. <i>Plant Biology</i> , 2020, 22, 761-768.	1.8	6
38	Shoot proliferation and in vitro organogenesis from shoot apex and cotyledonary explants of royal poinciana (<i>Delonix regia</i>), an ornamental leguminous tree. <i>Trees - Structure and Function</i> , 2020, 34, 189-197.	0.9	5
39	In Vitro Organogenesis from Root Explants of <i>Passiflora miniata</i> Mast., an Amazonian Species with Ornamental Potential. <i>Brazilian Archives of Biology and Technology</i> , 0, 62, .	0.5	5
40	Novel avenues for passion fruit in vitro regeneration from endosperm culture, and morpho-agronomic and physiological traits of triploid <i>Passiflora cincinnata</i> Mast. emblings. <i>Plant Cell, Tissue and Organ Culture</i> , 0, , .	1.2	5
41	Protocol for Somatic Embryogenesis in <i>Passiflora cincinnata</i> Mast. (<i>Passifloraceae</i>). <i>Forestry Sciences</i> , 2018, , 253-265.	0.4	4
42	In vitro growth performance of <i>Psidium guajava</i> and <i>P. guineense</i> plantlets as affected by culture medium formulations. <i>Vegetos</i> , 2020, 33, 435-445.	0.8	4
43	The short but useful life of <i>Prepusa montana</i> Mart. (<i>Gentianaceae</i> Juss.) leaf colleters” anatomical, micromorphological, and ultrastructural aspects. <i>Protoplasma</i> , 2022, 259, 187-201.	1.0	4
44	Leaf colleters in <i>Clusia burchellii</i> Engl.: Structural and ultrastructural features of a little-known gland in <i>Clusiaceae</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021, 280, 151834.	0.6	4
45	In vitro regeneration and flowering of <i>Portulaca grandiflora</i> Hook. <i>Ornamental Horticulture</i> , 2019, 25, 443-449.	0.4	4
46	Somatic Embryogenesis in <i>Annatto</i> (<i>Bixa orellana</i> L.) , 2016, , 213-231.		3
47	CO2 enrichment leads to altered cell wall composition in plants of <i>Pfaffia glomerata</i> (Spreng.) Pedersen (<i>Amaranthaceae</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 603-613.	1.2	3
48	From endosperm to triploid plants: a stepwise characterization of the de novo shoot organogenesis and morpho-agronomic aspects of an ornamental passion fruit (<i>Passiflora foetida</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 147, 239-253.	1.2	3
49	Ombrohydrochory in <i>Thismia panamensis</i> (Standley) Jonk: a mycoheterotrophic species in Brazilian Cerrado forests. <i>Plant Biology</i> , 2021, 23, 630-635.	1.8	2
50	Leaf anatomy micromorphometry plasticity and histochemistry of <i>Azadirachta indica</i> during acclimatization. <i>Rodriguesia</i> , 0, 71, .	0.9	2
51	Dormancy overcoming in seeds of cajã-manga (<i>Spondias dulcis</i>). <i>Comunicata Scientiae</i> , 0, 11, e3341.	0.4	2
52	Exogenous gibberellin and cytokinin in a novel system for in vitro germination and development of African iris (<i>Dietes bicolor</i>). <i>Revista Ceres</i> , 2020, 67, 402-409.	0.1	2
53	Accelerated aging test in the determination of safflower seeds vigor. <i>Bioscience Journal</i> , 0, 38, e38003.	0.4	2
54	Divergent strategies of nectar secretion in two bat-pollinated <i>Passiflora</i> species. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 293, 152114.	0.6	2

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55	Shining light on anther culture, a poorly understood regeneration route in passion fruit (<i>Passiflora</i>) Tj ETQq1 1 0.784314 rgBT /Overlook Developmental Biology - Plant, 0, , 1.	0.9	1
56	Morphometry of fruits and pyrenes in two morphotypes and populations of <i>Butia purpurascens</i> Glassman (<i>Arecaceae</i>). <i>Ciencia Rural</i> , 2022, 52, .	0.3	1
57	Development, structure, and secretion of leaf colleters in <i>Clusia criuva</i> Cambess. subsp. <i>criuva</i> (<i>Clusiaceae</i>). <i>Acta Botanica Brasilica</i> , 0, 36, .	0.8	1
58	Evaluation of root-to-shoot de novo organogenesis in wild guava species, <i>Psidium schenckianum</i> and <i>P. guineense</i> (<i>Myrtaceae</i>). <i>Vegetos</i> , 2021, 34, 68-76.	0.8	0
59	Cytokinin induces the development of gabirobeira root cuttings. <i>Ciencia Rural</i> , 2021, 51, .	0.3	0
60	Kinetin and 6-benzyladenine induce different morphogenetic responses in cotyledonary segments of royal poinciana. <i>Ornamental Horticulture</i> , 2019, 25, 270-275.	0.4	0
61	Metabolic stability of freshwater <i>Nitzschia palea</i> strains under silicon stress associated with triacylglycerol accumulation. <i>Algal Research</i> , 2021, 60, 102554.	2.4	0
62	Overcoming dormancy in seeds of <i>Dietes bicolor</i> (Steud.) Sweet ex Klatt. <i>Ornamental Horticulture</i> , 2022, 28, 60-66.	0.4	0