Dennis T Thomas

List of Publications by Year
in descending order

52 papers	1,367 citations	361045 20 h-index	360668 35 g-index
55 all docs	55 docs citations	55 times ranked	1086 citing authors

#	Article	IF	Citations
1	The role of activated charcoal in plant tissue culture. Biotechnology Advances, 2008, 26, 618-631.	6.0	329
2	Chitosan/Gelatin/Silver Nanoparticles Composites Films for Biodegradable Food Packaging Applications. Polymers, 2021, 13, 1680.	2.0	77
3	High frequency somatic embryogenesis and synthetic seed production in Clitoria ternatea Linn. Plant Cell, Tissue and Organ Culture, 2012, 110, 141-151.	1.2	62
4	Thidiazuron Induced Multiple Shoot Induction and Plant Regeneration from Cotyledonary Explants of Mulberry. Biologia Plantarum, 2003, 46, 529-533.	1.9	56
5	Thidiazuron-induced high-frequency shoot organogenesis from leaf-derived callus of ia medicinal climber, Tylophora Indica (Burm. F.) merrill. In Vitro Cellular and Developmental Biology - Plant, 2005, 41, 124-128.	0.9	46
6	Endosperm culture: a novel method for triploid plant production. Plant Cell, Tissue and Organ Culture, 2008, 93, 1-14.	1.2	46
7	Multiple shoot induction and callus regeneration in Sarcostemma brevistigma Wight & Arnott, a rare medicinal plant. Plant Biotechnology Reports, 2009, 3, 67-74.	0.9	39
8	Somatic embryogenesis and synthetic seed production in Rhinacanthus nasutus (L.) Kurz.. Plant Cell, Tissue and Organ Culture, 2013, 113, 63-71.	1.2	39
9	Callus induction and plant regeneration in Cardiospermum halicacabum Linn. an important medicinal plant. Scientia Horticulturae, 2006, 108, 332-336.	1.7	38
10	Adventitious shoot induction from cultured internodal explants of Malaxis acuminata D. Don, a valuable terrestrial medicinal orchid. Plant Cell, Tissue and Organ Culture, 2010, 101, 163-170.	1.2	36
11	In vitro culture of endosperm and its application in plant breeding: Approaches to polyploidy breeding. Scientia Horticulturae, 2011, 130, 1-8.	1.7	35
12	In vitro propagation for the conservation of a rare medicinal plant Justicia gendarussa Burm. f. by nodal explants and shoot regeneration from callus. Acta Physiologiae Plantarum, 2010, 32, 943-950.	1.0	34
13	In vitro propagation and conservation of Indian sarsaparilla, Hemidesmus indicus L. R. Br. through somatic embryogenesis and synthetic seed production. Acta Physiologiae Plantarum, 2013, 35, 771-779.	1.0	34
14	Callus induction and plant regeneration from cotyledonary explants of ash gourd (Benincasa hispida) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	30
15	High-frequency plantlet regeneration and multiple shoot induction from cultured immature seeds of Rhynchostylis retusa Blume., an exquisite orchid. Plant Biotechnology Reports, 2007, 1, 243-249.	0.9	28
16	A reproducible protocol for the production of gynogenic haploids of mulberry, Morus alba L.. Euphytica, 1999, 110, 169-173.	0.6	27
17	Effect of plant growth regulators and elicitors on rhinacanthin accumulation in hairy root cultures of Rhinacanthus nasutus (L.) Kurz. Plant Cell, Tissue and Organ Culture, 2014, 118, 169-177.	1.2	26
18	Pretreatment in thidiazuron improves the in vitro shoot induction from leaves in Curculigo orchioides Gaertn., an endangered medicinal plant. Acta Physiologiae Plantarum, 2007, 29, 455-461.	1.0	25

#	Article	IF	Citations
19	A rapid in vitro multiplication system for commercial propagation of pharmaceutically important Cyclea peltata (Lam) Hook & Thoms. based on enhanced axillary branching. Industrial Crops and Products, 2010, 31, 92-98.	2.5	23
20	Isolation, callus formation and plantlet regeneration from mesophyll protoplasts of Tylophora indica (Burm. f.) Merrill: an important medicinal plant. In Vitro Cellular and Developmental Biology - Plant, 2009, 45, 591-598.	0.9	20
21	Asymbiotic seed germination and in vitro conservation of Coelogyne nervosa A. Rich. an endemic orchid to Western Ghats. Physiology and Molecular Biology of Plants, 2012, 18, 245-251.	1.4	18
22	Antibacterial activity of medicinal plant Cyclea peltata (Lam) Hooks & Thoms. Asian Pacific Journal of Tropical Disease, 2012, 2, S280-S284.	0.5	17
23	Shoot organogenesis from leaf callus and ISSR assessment for their identification of clonal fidelity in Rhinacanthus nasutus (L.) Kurz., a potent anticancerous ethnomedicinal plant. Industrial Crops and Products, 2012, 40, 122-128.	2.5	17
24	In vitro micropropagation and flowering in Ipomoea sepiaria Roxb. An important ethanomedicinal plant. Asian Pacific Journal of Reproduction, 2015, 4, 49-53.	0.2	17
25	In vitro strategies for the conservation of Indian medicinal climbers. In Vitro Cellular and Developmental Biology - Plant, 2020, 56, 784-802.	0.9	16
26	In Vitro Modification of Sex Expression in Mulberry (Morus Alba) by Ethrel and Silver Nitrate. Plant Cell, Tissue and Organ Culture, 2004, 77, 277-281.	1.2	15
27	Pulvinus: an ideal explant for plant regeneration in Caesalpinia bonduc (L.) Roxb., an important ethnomedicinal woody climber. Acta Physiologiae Plantarum, 2012, 34, 693-699.	1.0	15
28	The effect of inÂvivo and inÂvitro applications of ethrel and GA3 on sex expression in bitter melon (Momordica charantia L.). Euphytica, 2008, 164, 317-323.	0.6	14
29	Plant Regeneration Through Callus Organogenesis and True-to-Type Conformity of Plants by RAPD Analysis in Desmodium gangeticum (Linn.) DC.. Applied Biochemistry and Biotechnology, 2013, 169, 1799-1810.	1.4	14
30	The Applications of TDZ in Medicinal Plant Tissue Culture. , 2018, , 297-316.		14
31	Reproductive biology of Pittosporum dasycaulon Miq., (Family Pittosporaceae) a rare medicinal tree endemic to Western Ghats. , 2014, 55, 15.		13
32	High frequency multiple shoot induction from nodal segments and rhinacanthin production in the medicinal shrub Rhinacanthus nasutus (L.) Kurz. Plant Growth Regulation, 2014, 74, 47-54.	1.8	13
33	High-frequency, direct bulblet induction from rhizome explants of Curculigo orchioides Gaertn., an endangered medicinal herb. In Vitro Cellular and Developmental Biology - Plant, 2007, 43, 442-448.	0.9	11
34	Plant regeneration from organogenic callus and assessment of clonal fidelity in Elephantopus scaber Linn., an ethnomedicinal herb. Physiology and Molecular Biology of Plants, 2015, 21, 269-277.	1.4	11
35	Advances in mulberry tissue culture. Journal of Plant Biology, 2002, 45, 7-21.	0.9	10
36	Shoot organogenesis from root-derived callus of Rhinacanthus nasutus (L.) Kurz. and assessment of clonal fidelity of micropropagted plants using RAPD analysis. Applied Biochemistry and Biotechnology, 2014, 172, 1172-1182.	1.4	9

#	Article	IF	Citations
37	High-frequency callus organogenesis, large-scale cultivation and assessment of clonal fidelity of regenerated plants of Curcuma caesia Roxb., an important source of camphor. Agroforestry Systems, 2015, 89, 779-788.	0.9	9
38	An efficient plant regeneration system through callus for Pseudarthria viscida (L.) Wright and Arn., a rare ethnomedicinal herb. Physiology and Molecular Biology of Plants, 2011, 17, 395-401.	1.4	8
39	Recent Advances in Asteraceae Tissue Culture. , 2016, , 161-195.		8
40	Hairy Root Culture for the Production of Useful Secondary Metabolites. , 2017, , 201-230.		8
41	In Vitro Gynogenesis. , 2001, , 489-507.		8
42	Rhinacanthin production from hairy root cultures of Rhinacanthus nasutus (L.) Kurz. In Vitro Cellular and Developmental Biology - Plant, 2015, 51, 420-427.	0.9	6
43	Abiotic stresses increase plant regeneration ability of rhizome explants of Curcuma caesia Roxb.. Plant Cell, Tissue and Organ Culture, 2015, 122, 767-772.	1.2	5
44	High-frequency shoot regeneration from flower bud derived callus of Gymnostachyum febrifugum Benth., an endemic medicinal plant to the Western Ghats. Plant Cell, Tissue and Organ Culture, 2021, 147, 221-228.	1.2	5
45	Tylophorine: Sources, Properties, Applications and Biotechnological Production. , 2020, , 167-176.		5
46	Optimizing embryo and shoot tip derived callus production and high frequency plant regeneration in the model grass Brachypodium distachyon (L.) P. Beauv. Plant Biosystems, 2011, 145, 924-930.	0.8	4
47	An efficient shoot regeneration system for medicinally important Elephantopus scaber Linn.. Crop Breeding and Applied Biotechnology, 2015, 15, 94-99.	0.1	4
48	High frequency in vitro regeneration ofKigelia pinnata L. via organogenesis. Journal of Plant Biology, 2004, 47, 48-51.	0.9	2
49	Callus induction, high frequency shoot organogenesis and assessment of clonal fidelity in Torenia bicolor Dalzell.. Journal of Applied Research on Medicinal and Aromatic Plants, 2015, 2, 188-194.	0.9	2
50	In Vitro Strategies for the Conservation of Some Medicinal and Horticultural Climbers. , 2016, , 259-290.		2
51	High-frequency direct shoot induction from leaf explants of Pogostemon quadrifolius (Benth.) F. Muell.: an ethnomedicinal herb. In Vitro Cellular and Developmental Biology - Plant, 2022, 58, 321.	0.9	2
52	The Role of Meta-topolin in Plant Morphogenesis In Vitro. , 2021, , 93-118.		1