Daniel Dias

List of Publications by Year
in descending order

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72 papers	4,859 citations	230014 27 h-index	111975 67 g-index
81 all docs	81 docs citations	81 times ranked	9110 citing authors

#	Article	IF	Citations
1	Utilization of Saline Water Enhances Lipid Accumulation in Green Microalgae for the Sustainable Production of Biodiesel. Bioenergy Research, 2023, 16, 1026-1039.	2.2	13
2	Biomarkers associated with cheese quality uncovered by integrative multi-omic analysis. Food Control, 2021, 123, 107752.	2.8	15
3	Screening natural product extracts for potential enzyme inhibitors: protocols, and the standardisation of the usage of blanks in Î±-amylase, Î±-glucosidase and lipase assays. Plant Methods, 2021, 17, 3.	1.9	38
4	LCâ€“MS untargeted metabolomics assesses the delayed response of glufosinate treatment of transgenic glufosinate resistant (GR) buffalo grasses (Stenotaphrum secundatum L.). Metabolomics, 2021, 17, 28.	1.4	5
5	A Pharmacological Perspective on Plant-derived Bioactive Molecules for Epilepsy. Neurochemical Research, 2021, 46, 2205-2225.	1.6	42
6	The role of halophytic nanoparticles towards the remediation of degraded and saline agricultural lands. Environmental Science and Pollution Research, 2021, 28, 60383-60405.	2.7	15
7	In vitro inhibitory activities of sugarcane extract on avian Eimeria sporozoites. International Journal for Parasitology: Drugs and Drug Resistance, 2021, 17, 1-4.	1.4	3
8	Scrutinizing the Application of Saline Endophyte to Enhance Salt Tolerance in Rice and Maize Plants. Frontiers in Plant Science, 2021, 12, 770084.	1.7	21
9	Cheesomics: the future pathway to understanding cheese flavour and quality. Critical Reviews in Food Science and Nutrition, 2020, 60, 33-47.	5.4	64
10	Microbiota and Metabolite Profiling Combined With Integrative Analysis for Differentiating Cheeses of Varying Ripening Ages. Frontiers in Microbiology, 2020, 11, 592060.	1.5	14
11	Metabolic Profiling of Diabetic Cats in Remission. Frontiers in Veterinary Science, 2020, 7, 218.	0.9	7
12	New insights into cheddar cheese microbiota-metabolome relationships revealed by integrative analysis of multi-omics data. Scientific Reports, 2020, 10, 3164.	1.6	38
13	Utilization of GCâ€“MS untargeted metabolomics to assess the delayed response of glufosinate treatment of transgenic herbicide resistant (HR) buffalo grasses (Stenotaphrum secundatum L.). Metabolomics, 2020, 16, 22.	1.4	6
14	Inhibitory effect of a weight-loss Chinese herbal formula RCM-107 on pancreatic Î±-amylase activity: Enzymatic and in silico approaches. PLoS ONE, 2020, 15, e0231815.	1.1	9
15	Impact of Natural Compounds on Neurodegenerative Disorders: From Preclinical to Pharmacotherapeutics. Journal of Clinical Medicine, 2020, 9, 1061.	1.0	141
16	The inhibitory effects of an eight-herb formula (RCM-107) on pancreatic lipase: enzymatic, HPTLC profiling and in silico approaches. Heliyon, 2019, 5, e02453.	1.4	11
17	Understanding glycaemic control and current approaches for screening antidiabetic natural products from evidence-based medicinal plants. Plant Methods, 2019, 15, 105.	1.9	89
18	Recent developments in metabolomics-based research in understanding transgenic grass metabolism. Metabolomics, 2019, 15, 47.	1.4	5

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19	Therapeutic Potential of Î±- and Î²-Pinene: A Miracle Gift of Nature. Biomolecules, 2019, 9, 738.	1.8	302
20	13C metabolomics reveals widespread change in carbon fate during coral bleaching. Metabolomics, 2018, 14, 12.	1.4	60
21	Identification of physiological changes and key metabolites coincident with postharvest internal browning of pineapple (Ananas comosus L.) fruit. Postharvest Biology and Technology, 2018, 137, 56-65.	2.9	23
22	Review of recent developments in GCâ€“MS approaches to metabolomics-based research. Metabolomics, 2018, 14, 152.	1.4	314
23	Quantification of Sugars and Organic Acids in Biological Matrices Using GC-QqQ-MS. Methods in Molecular Biology, 2018, 1778, 207-223.	0.4	5
24	Comparative metabolic and ionomic profiling of two cultivars of Stevia rebaudiana Bert. (Bertoni) grown under salinity stress. Plant Physiology and Biochemistry, 2018, 129, 56-70.	2.8	26
25	L-Sulforaphane Confers Protection Against Oxidative Stress in an In Vitro Model of Age-Related Macular Degeneration. Current Molecular Pharmacology, 2018, 11, 237-253.	0.7	15
26	Mapping carbon fate during bleaching in a model cnidarian symbiosis: the application of ¹³C metabolomics. New Phytologist, 2017, 214, 1551-1562.	3.5	53
27	Stability and extraction of bioactive sulfur compounds from Allium genus processed by traditional and innovative technologies. Journal of Food Composition and Analysis, 2017, 61, 28-39.	1.9	104
28	Metabolite profiling of symbiont and host during thermal stress and bleaching in the coral Acropora aspera. Coral Reefs, 2017, 36, 105-118.	0.9	87
29	Innovative Alternative Technologies to Extract Carotenoids from Microalgae and Seaweeds. Marine Drugs, 2016, 14, 214.	2.2	215
30	Current and Future Perspectives on the Structural Identification of Small Molecules in Biological Systems. Metabolites, 2016, 6, 46.	1.3	110
31	Beta-glucan-depleted, glycopeptide-rich extracts from Brewerâ€™s and Bakerâ€™s yeast (Saccharomyces) Tj ETQq1 1 0.784314 rgBT /O Chemistry, 2016, 197, 761-768.	4.2	15
32	Root spatial metabolite profiling of two genotypes of barley(Hordeum vulgareL.) reveals differences in response to short-term salt stress. Journal of Experimental Botany, 2016, 67, 3731-3745.	2.4	137
33	Metal and metalloid containing natural products and a brief overview of their applications in biology, biotechnology and biomedicine. BioMetals, 2016, 29, 1-13.	1.8	12
34	Progress in Metabolomics Standardisation and its Significance in Future Clinical Laboratory Medicine. Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine, 2016, 27, 331-343.	0.7	26
35	Quantitative profiling of polar primary metabolites of two chickpea cultivars with contrasting responses to salinity. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1000, 1-13.	1.2	96
36	Metabolic profiling of a transgenic Caenorhabditis elegans Alzheimer model. Metabolomics, 2015, 11, 477-486.	1.4	33

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37	Egg Dispersal in the Phasmatodea: Convergence in Chemical Signaling Strategies Between Plants and Animals?. Journal of Chemical Ecology, 2015, 41, 689-695.	0.9	23
38	Diet influences female signal reliability for male mate choice. Animal Behaviour, 2015, 108, 215-221.	0.8	23
39	The pharmaceutical industry and natural products: historical status and new trends. Phytochemistry Reviews, 2015, 14, 299-315.	3.1	375
40	The use of metabolomics in the study of metals in biological systems. Metallomics, 2015, 7, 29-38.	1.0	25
41	Flicker Light-Induced Retinal Vasodilation Is Unaffected by Inhibition of Epoxyeicosatrienoic Acids and Prostaglandins in Humans. Investigative Ophthalmology and Visual Science, 2014, 55, 7007-7013.	3.3	8
42	Metabolite profiling of wheat (Triticum aestivum L.) phloem exudate. Plant Methods, 2014, 10, 27.	1.9	31
43	Metabolomics of capsicum ripening reveals modification of the ethylene related-pathway and carbon metabolism. Postharvest Biology and Technology, 2014, 89, 19-31.	2.9	40
44	Lipid Profile Remodeling in Response to Nitrogen Deprivation in the Microalgae Chlorella sp. (Trebouxiophyceae) and Nannochloropsis sp. (Eustigmatophyceae). PLoS ONE, 2014, 9, e103389.	1.1	117
45	A quantitative analysis of microalgal lipids for optimization of biodiesel and omegaâ€3 production. Biotechnology and Bioengineering, 2013, 110, 2096-2104.	1.7	102
46	Metabolomics and its use in ecology. Austral Ecology, 2013, 38, 713-720.	0.7	79
47	Wine bottle colour and oxidative spoilage: Whole bottle light exposure experiments under controlled and uncontrolled temperature conditions. Food Chemistry, 2013, 138, 2451-2459.	4.2	23
48	HPLC-NMR Chemical Profiling of the Australian Carnivorous Plant, Drosera erythrohiza subspecies magna. Natural Products Journal, 2013, 3, 35-41.	0.1	4
49	Plant Tissue Extraction for Metabolomics. Methods in Molecular Biology, 2013, 1055, 21-28.	0.4	14
50	A Robust GC-MS Method for the Quantitation of Fatty Acids in Biological Systems. Methods in Molecular Biology, 2013, 1055, 39-56.	0.4	7
51	NMR Spectroscopy: Structure Elucidation of Cycloelatanene A: A Natural Product Case Study. Methods in Molecular Biology, 2013, 1055, 99-116.	0.4	5
52	A Novel Glutathione-Hydroxycinnamic Acid Product Generated in Oxidative Wine Conditions. Journal of Agricultural and Food Chemistry, 2012, 60, 12186-12195.	2.4	24
53	The role of light, temperature and wine bottle colour on pigment enhancement in white wine. Food Chemistry, 2012, 135, 2934-2941.	4.2	39
54	A Historical Overview of Natural Products in Drug Discovery. Metabolites, 2012, 2, 303-336.	1.3	1,254

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55	Normalizing and Integrating Metabolomics Data. Analytical Chemistry, 2012, 84, 10768-10776.	3.2	183
56	Application of HPLC-NMR in the Identification of Plocamenone and Isoplocamenone from the Marine Red Alga Plocamium angustum. Marine Drugs, 2012, 10, 2089-2102.	2.2	25
57	Iron(III) Tartrate as a Potential Precursor of Light-Induced Oxidative Degradation of White Wine: Studies in a Model Wine System. Journal of Agricultural and Food Chemistry, 2011, 59, 3575-3581.	2.4	44
58	Phytochemical studies of the southern Australian marine alga, Laurencia elata. Phytochemistry, 2011, 72, 2081-2089.	1.4	47
59	Laurencia Filiformis: Phytochemical Profiling by Conventional and HPLC-NMR Approaches. Natural Product Communications, 2009, 4, 1934578X0900400.	0.2	19
60	HPLC and NMR Studies of Phenoxazone Alkaloids from Pycnoporus Cinnabarinus. Natural Product Communications, 2009, 4, 1934578X0900400.	0.2	9
61	Phytochemical Investigation of the Australian Lichens Ramalina glaucescens and Xanthoria parietina. Natural Product Communications, 2009, 4, 1934578X0900400.	0.2	10
62	Naphthalene Aglycones and Glycosides from the Australian Medicinal Plant,Dianella callicarpa. Planta Medica, 2009, 75, 1442-1447.	0.7	16
63	Application of HPLCâ€NMR for the Rapid Chemical Profiling of a Southern Australian Sponge, Dactylospongia sp.. Journal of Separation Science, 2009, 32, 542-548.	1.3	19
64	Chemical constituents of the lichen, Candelaria concolor: A complete NMR and chemical degradative investigation. Natural Product Research, 2009, 23, 925-939.	1.0	10
65	Phenylphenalenones from the Australian Plant Haemodorum simplex. Journal of Natural Products, 2009, 72, 1075-1080.	1.5	22
66	Laurencia filiformis: phytochemical profiling by conventional and HPLC-NMR approaches. Natural Product Communications, 2009, 4, 157-72.	0.2	22
67	HPLC and NMR studies of phenoxazone alkaloids from Pycnoporus cinnabarinus. Natural Product Communications, 2009, 4, 489-98.	0.2	10
68	Phytochemical investigation of the Australian lichens Ramalina glaucescens and Xanthoria parietina. Natural Product Communications, 2009, 4, 959-64.	0.2	11
69	Phytochemical analysis of the Southern Australian marine alga, Plocamium mertensii using HPLCâ€NMR. Phytochemical Analysis, 2008, 19, 453-470.	1.2	21
70	Pinastric acid revisited: a complete NMR and X-ray structure assignment. Natural Product Research, 2007, 21, 366-376.	1.0	13
71	Lipidomics reveal the protective effects of a vegetable-derived isothiocyanate against retinal degeneration. F1000Research, 0, 8, 1067.	0.8	2
72	Lipidomics reveal the protective effects of a vegetable-derived isothiocyanate against retinal degeneration. F1000Research, 0, 8, 1067.	0.8	0