

Randolph R J Arroo

List of Publications by Citations

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,186
citations

20
h-index

33
g-index

61
ext. papers

1,397
ext. citations

5.1
avg, IF

4.35
L-index

#	Paper	IF	Citations
58	Pinoresinol-lariciresinol reductase gene expression and secoisolariciresinol diglucoside accumulation in developing flax (<i>Linum usitatissimum</i>) seeds. <i>Planta</i> , 2006 , 224, 1291-301	4.7	92
57	Antiproliferative and cytostatic effects of the natural product eupatorin on MDA-MB-468 human breast cancer cells due to CYP1-mediated metabolism. <i>Breast Cancer Research</i> , 2008 , 10, R39	8.3	89
56	CYP1-mediated antiproliferative activity of dietary flavonoids in MDA-MB-468 breast cancer cells. <i>Toxicology</i> , 2009 , 264, 162-70	4.4	70
55	Petals of <i>Crocus sativus</i> L. as a potential source of the antioxidants crocin and kaempferol. <i>Phytotherapy Research</i> , 2015 , 107, 128-134	3.2	58
54	Bioactivation of the phytoestrogen diosmetin by CYP1 cytochromes P450. <i>Cancer Letters</i> , 2009 , 274, 54-60	9.9	58
53	Anticancer effects of the flavonoid diosmetin on cell cycle progression and proliferation of MDA-MB 468 breast cancer cells due to CYP1 activation. <i>Oncology Reports</i> , 2009 , 21, 1525-8	3.5	56
52	Biosynthesis of podophyllotoxin in <i>Linum album</i> cell cultures. <i>Planta</i> , 2002 , 215, 1031-9	4.7	55
51	Enhancement of artemisinin concentration and yield in response to optimization of nitrogen and potassium supply to <i>Artemisia annua</i> . <i>Annals of Botany</i> , 2009 , 104, 315-23	4.1	49
50	Biotechnological approaches for producing aryltetralin lignans from <i>Linum</i> species. <i>Phytochemistry Reviews</i> , 2014 , 13, 893-913	7.7	47
49	Plant cell factories as a source for anti-cancer lignans. <i>Phytochemistry Reviews</i> , 2002 , 1, 27-35	7.7	45
48	Bioactivation of the citrus flavonoid nobiletin by CYP1 enzymes in MCF7 breast adenocarcinoma cells. <i>Food and Chemical Toxicology</i> , 2012 , 50, 3320-8	4.7	43
47	Specialized Plant Metabolism Characteristics and Impact on Target Molecule Biotechnological Production. <i>Molecular Biotechnology</i> , 2018 , 60, 169-183	3	38
46	Flavonoids and Their Metabolites: Prevention in Cardiovascular Diseases and Diabetes. <i>Diseases (Basel, Switzerland)</i> , 2017 , 5,	4.4	37
45	Efficacy of <i>Daphne oleoides</i> subsp. <i>kurdica</i> used for wound healing: identification of active compounds through bioassay guided isolation technique. <i>Journal of Ethnopharmacology</i> , 2012 , 141, 1058-70	5.7	36
44	Phytoestrogens as natural prodrugs in cancer prevention: dietary flavonoids. <i>Phytochemistry Reviews</i> , 2009 , 8, 375-386	7.7	33
43	Occurrence of 5-methoxypodophyllotoxin in plants, cell cultures and regenerated plants of <i>Linum flavum</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1990 , 23, 93-100	2.7	28
42	The methoxylated flavones eupatorin and cirsiol induce CYP1 enzyme expression in MCF7 cells. <i>Journal of Natural Products</i> , 2009 , 72, 1390-4	4.9	25

41	Tangeretin and its metabolite 4-Hydroxytetramethoxyflavone attenuate EGF-stimulated cell cycle progression in hepatocytes; role of inhibition at the level of mTOR/p70S6K. <i>British Journal of Pharmacology</i> , 2011 , 162, 1781-91	8.6	24
40	Investigation of <i>Linum flavum</i> (L.) Hairy Root Cultures for the Production of Anticancer Aryltetralin Lignans. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	21
39	Recent advances in chemistry, therapeutic properties and sources of polydatin. <i>Phytochemistry Reviews</i> , 2018 , 17, 973-1005	7.7	20
38	Over 3 decades of research on dietary flavonoid antioxidants and cancer prevention: What have we achieved?. <i>Phytochemistry Reviews</i> , 2019 , 18, 989-1004	7.7	20
37	Phytoestrogens as natural prodrugs in cancer prevention: a novel concept. <i>Phytochemistry Reviews</i> , 2008 , 7, 431-443	7.7	19
36	Thiophene interconversions in <i>Tagetes patula</i> hairy-root cultures. <i>Phytochemistry</i> , 1995 , 38, 1193-1197	4	18
35	Flavones as tyrosinase inhibitors: kinetic studies in vitro and in silico. <i>Phytochemical Analysis</i> , 2020 , 31, 314-321	3.4	16
34	Screening a diverse collection of <i>Artemisia annua</i> germplasm accessions for the antimalarial compound, artemisinin. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2012 , 10, 152-154	1	15
33	Phytoestrogens as natural prodrugs in cancer prevention: towards a mechanistic model. <i>Phytochemistry Reviews</i> , 2014 , 13, 853-866	7.7	14
32	Flavonols with a catechol or pyrogallol substitution pattern on ring B readily form stable dimers in phosphate buffered saline at four degrees celsius. <i>Food Chemistry</i> , 2020 , 311, 125902	8.5	14
31	Thiophene biosynthesis in <i>Tagetes</i> roots: molecular versus metabolic regulation. <i>Plant Cell, Tissue and Organ Culture</i> , 1994 , 38, 159-165	2.7	13
30	Increases in leaf artemisinin concentration in <i>Artemisia annua</i> in response to the application of phosphorus and boron. <i>Industrial Crops and Products</i> , 2011 , 34, 1465-1473	5.9	12
29	A Multifactorial Comparison of Ternary Combinations of Essential Oils in Topical Preparations to Current Antibiotic Prescription Therapies for the Control of Acne Vulgaris-Associated Bacteria. <i>Phytotherapy Research</i> , 2017 , 31, 410-417	6.7	11
28	miRNAs as Regulators of Antidiabetic Effects of Fucoic Acids. <i>EFood</i> , 2020 , 1, 2	1.9	11
27	New Hydrogels Enriched with Antioxidants from Saffron Crocus Can Find Applications in Wound Treatment and/or Beautification. <i>Skin Pharmacology and Physiology</i> , 2018 , 31, 95-98	3	10
26	Design, synthesis and antitrypanosomal activities of 2,6-disubstituted-4,5,7-trifluorobenzothiophenes. <i>European Journal of Medicinal Chemistry</i> , 2016 , 108, 347-353	6.8	10
25	Synthesis and antitrypanosomal activities of novel pyridylchalcones. <i>European Journal of Medicinal Chemistry</i> , 2017 , 128, 213-218	6.8	8
24	A Brief Overview of Potential Treatments for Viral Diseases Using Natural Plant Compounds: The Case of SARS-Cov. <i>Molecules</i> , 2021 , 26,	4.8	8

23	Activity of Antioxidants from L. Petals: Potential Preventive Effects towards Cardiovascular System. <i>Antioxidants</i> , 2020 , 9,	7.1	7
22	Regulation of thiophene biosynthesis by sulphate in roots of marigolds. <i>New Phytologist</i> , 1997 , 135, 175-181	4.1	7
21	Thiophene interconversion in elicitor-treated roots of Tagetes patula L. <i>Plant Cell Reports</i> , 1995 , 15, 133-137	3.1	7
20	The Synthesis of Chalcones as Anticancer Prodrugs and their Bioactivation in CYP1 Expressing Breast Cancer Cells. <i>Medicinal Chemistry</i> , 2018 , 14, 322-332	1.8	7
19	Chemical properties of thymoquinone, a monoterpene isolated from the seeds of Nigella sativa Linn. <i>Pharmacological Research</i> , 2018 , 133, 151	10.2	5
18	Molecular and metabolic control of secondary metabolism. <i>Plant Cell, Tissue and Organ Culture</i> , 1995 , 43, 127-130	2.7	4
17	Stability and antioxidant capacity of epigallocatechin gallate in Dulbecco's modified eagle medium. <i>Food Chemistry</i> , 2022 , 366, 130521	8.5	4
16	Artemisinin Cocrystals for Bioavailability Enhancement. Part 1: Formulation Design and Role of the Polymeric Excipient. <i>Molecular Pharmaceutics</i> , 2021 , 18, 4256-4271	5.6	3
15	The synthesis of 4,6-diaryl-2-pyridones and their bioactivation in CYP1 expressing breast cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 1403-1406	2.9	2
14	Effect of antidepressant drugs on the brain sphingolipid system. <i>Journal of Psychopharmacology</i> , 2020 , 34, 716-725	4.6	2
13	Dihydromyricetin Attenuates Streptozotocin-induced Liver Injury and Inflammation in Rats via Regulation of NF- κ B and AMPK Signaling Pathway. <i>EFood</i> , 2020 , 1, 188	1.9	2
12	Chemopreventive Potential of Flavones, Flavonols, and their Glycosides 2020 , 1-19		2
11	Application of dietary supplements in the prevention of type 2 diabetes-related cardiovascular complications. <i>Phytochemistry Reviews</i> , 2021 , 20, 181-209	7.7	2
10	Advance toward isolation, extraction, metabolism and health benefits of kaempferol, a major dietary flavonoid with future perspectives. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-17	11.5	2
9	Artemisinin Cocrystals for Bioavailability Enhancement. Part 2: Bioavailability and Physiologically Based Pharmacokinetic Modeling. <i>Molecular Pharmaceutics</i> , 2021 , 18, 4272-4289	5.6	1
8	Bioproduction of Anticancer Podophyllotoxin and Related Aryltretralin-Lignans in Hairy Root Cultures of Linum flavum L.. <i>Reference Series in Phytochemistry</i> , 2021 , 503-540	0.7	1
7	Bioproduction of Anticancer Podophyllotoxin and Related Aryltretralin-Lignans in Hairy Root Cultures of Linum Flavum L.. <i>Reference Series in Phytochemistry</i> , 2020 , 1-38	0.7	1
6	In vitro and in silico assessment of DNA interaction, topoisomerase I and II inhibition properties of chrysofenetin. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1053-1059	7.9	1

5	The discovery of novel antitrypanosomal 4-phenyl-6-(pyridin-3-yl)pyrimidines. <i>European Journal of Medicinal Chemistry</i> , 2021 , 209, 112871	6.8	1
4	Artemisinin- β -acetylenedicarboxylic acid cocrystal: screening, structure determination, and physicochemical property characterisation. <i>CrystEngComm</i> , 2022 , 24, 1056-1067	3.3	0
3	Lacto-fermented polypeptides integrated with edible coatings for mango (<i>Mangifera indica</i> L.) bio-preservation. <i>Food Control</i> , 2022 , 134, 108708	6.2	0
2	Analysis of plant secondary metabolism using stable isotope-labelled precursors. <i>Phytochemical Analysis</i> , 2021 , 32, 62-68	3.4	0
1	Chemopreventive Potential of Flavones, Flavonols, and their Glycosides 2021 , 97-115		0