Randolph R J Arroo

List of Publications by Year in Descending Order

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	Artemisinin–acetylenedicarboxylic acid cocrystal: screening, structure determination, and physicochemical property characterisation. *CrystEngComm*, **2022**, 24, 1056-1067	3.3	0
57	Lacto-fermented polypeptides integrated with edible coatings for mango (Mangifera indica L.) bio-preservation. *Food Control*, **2022**, 134, 108708	6.2	0
56	Stability and antioxidant capacity of epigallocatechin gallate in Dulbecco's modified eagle medium. *Food Chemistry*, **2022**, 366, 130521	8.5	4
55	Artemisinin Cocrystals for Bioavailability Enhancement. Part 2: Bioavailability and Physiologically Based Pharmacokinetic Modeling. *Molecular Pharmaceutics*, **2021**, 18, 4272-4289	5.6	1
54	Artemisinin Cocrystals for Bioavailability Enhancement. Part 1: Formulation Design and Role of the Polymeric Excipient. *Molecular Pharmaceutics*, **2021**, 18, 4256-4271	5.6	3
53	Bioproduction of Anticancer Podophyllotoxin and Related Aryltretralin-Lignans in Hairy Root Cultures of Linum flavum L.. *Reference Series in Phytochemistry*, **2021**, 503-540	0.7	1
52	A Brief Overview of Potential Treatments for Viral Diseases Using Natural Plant Compounds: The Case of SARS-Cov. *Molecules*, **2021**, 26,	4.8	8
51	Application of dietary supplements in the prevention of type 2 diabetes-related cardiovascular complications. *Phytochemistry Reviews*, **2021**, 20, 181-209	7.7	2
50	Analysis of plant secondary metabolism using stable isotope-labelled precursors. *Phytochemical Analysis*, **2021**, 32, 62-68	3.4	0
49	The discovery of novel antitrypanosomal 4-phenyl-6-(pyridin-3-yl)pyrimidines. *European Journal of Medicinal Chemistry*, **2021**, 209, 112871	6.8	1
48	Chemopreventive Potential of Flavones, Flavonols, and their Glycosides **2021**, 97-115		0
47	Advance toward isolation, extraction, metabolism and health benefits of kaempferol, a major dietary flavonoid with future perspectives. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-17	11.5	2
46	Activity of Antioxidants from L. Petals: Potential Preventive Effects towards Cardiovascular System. *Antioxidants*, **2020**, 9,	7.1	7
45	Effect of antidepressant drugs on the brain sphingolipid system. *Journal of Psychopharmacology*, **2020**, 34, 716-725	4.6	2
44	Flavones as tyrosinase inhibitors: kinetic studies in vitro and in silico. *Phytochemical Analysis*, **2020**, 31, 314-321	3.4	16
43	miRNAs as Regulators of Antidiabetic Effects of Fucoidans. *EFood*, **2020**, 1, 2	1.9	11
42	Dihydromyricetin Attenuates Streptozotocin-induced Liver Injury and Inflammation in Rats via Regulation of NF-B and AMPK Signaling Pathway. *EFood*, **2020**, 1, 188	1.9	2

41	Chemopreventive Potential of Flavones, Flavonols, and their Glycosides **2020**, 1-19		2
40	Bioproduction of Anticancer Podophyllotoxin and Related Aryltretralin-Lignans in Hairy Root Cultures of Linum Flavum L.. *Reference Series in Phytochemistry*, **2020**, 1-38	0.7	1
39	Flavonols with a catechol or pyrogallol substitution pattern on ring B readily form stable dimers in phosphate buffered saline at four degrees celsius. *Food Chemistry*, **2020**, 311, 125902	8.5	14
38	In vitro and in silico assessment of DNA interaction, topoisomerase I and II inhibition properties of chrysosplenetin. *International Journal of Biological Macromolecules*, **2020**, 163, 1053-1059	7.9	1
37	The synthesis of 4,6-diaryl-2-pyridones and their bioactivation in CYP1 expressing breast cancer cells. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 1403-1406	2.9	2
36	Over 3 decades of research on dietary flavonoid antioxidants and cancer prevention: What have we achieved?. *Phytochemistry Reviews*, **2019**, 18, 989-1004	7.7	20
35	New Hydrogels Enriched with Antioxidants from Saffron Crocus Can Find Applications in Wound Treatment and/or Beautification. *Skin Pharmacology and Physiology*, **2018**, 31, 95-98	3	10
34	Specialized Plant Metabolism Characteristics and Impact on Target Molecule Biotechnological Production. *Molecular Biotechnology*, **2018**, 60, 169-183	3	38
33	Investigation of Linum flavum (L.) Hairy Root Cultures for the Production of Anticancer Aryltetralin Lignans. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	21
32	Recent advances in chemistry, therapeutic properties and sources of polydatin. *Phytochemistry Reviews*, **2018**, 17, 973-1005	7.7	20
31	The Synthesis of Chalcones as Anticancer Prodrugs and their Bioactivation in CYP1 Expressing Breast Cancer Cells. *Medicinal Chemistry*, **2018**, 14, 322-332	1.8	7
30	Chemical properties of thymoquinone, a monoterpene isolated from the seeds of Nigella sativa Linn. *Pharmacological Research*, **2018**, 133, 151	10.2	5
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. *Phytotherapy Research*, **2017**, 31, 410-417	6.7	11
28	Synthesis and antitrypanosomal activities of novel pyridylchalcones. *European Journal of Medicinal Chemistry*, **2017**, 128, 213-218	6.8	8
27	Flavonoids and Their Metabolites: Prevention in Cardiovascular Diseases and Diabetes. *Diseases (Basel, Switzerland)*, **2017**, 5,	4.4	37
26	Design, synthesis and antitrypanosomal activities of 2,6-disubstituted-4,5,7-trifluorobenzothiophenes. *European Journal of Medicinal Chemistry*, **2016**, 108, 347-353	6.8	10
25	Petals of Crocus sativus L. as a potential source of the antioxidants crocin and kaempferol. *Fitoterapia*, **2015**, 107, 128-134	3.2	58
24	Phytoestrogens as natural prodrugs in cancer prevention: towards a mechanistic model. *Phytochemistry Reviews*, **2014**, 13, 853-866	7.7	14

23	Biotechnological approaches for producing aryltetralin lignans from Linum species. *Phytochemistry Reviews*, **2014**, 13, 893-913	7.7	47
22	Efficacy of Daphne oleoides subsp. kurdica used for wound healing: identification of active compounds through bioassay guided isolation technique. *Journal of Ethnopharmacology*, **2012**, 141, 1058-70	3.5	36
21	Bioactivation of the citrus flavonoid nobiletin by CYP1 enzymes in MCF7 breast adenocarcinoma cells. *Food and Chemical Toxicology*, **2012**, 50, 3320-8	4.7	43
20	Screening a diverse collection of Artemisia annua germplasm accessions for the antimalarial compound, artemisinin. *Plant Genetic Resources: Characterisation and Utilisation*, **2012**, 10, 152-154	1	15
19	Tangeretin and its metabolite 4′-hydroxytetramethoxyflavone attenuate EGF-stimulated cell cycle progression in hepatocytes; role of inhibition at the level of mTOR/p70S6K. *British Journal of Pharmacology*, **2011**, 162, 1781-91	8.6	24
18	Increases in leaf artemisinin concentration in Artemisia annua in response to the application of phosphorus and boron. *Industrial Crops and Products*, **2011**, 34, 1465-1473	5.9	12
17	Anticancer effects of the flavonoid diosmetin on cell cycle progression and proliferation of MDA-MB 468 breast cancer cells due to CYP1 activation. *Oncology Reports*, **2009**, 21, 1525-8	3.5	56
16	Enhancement of artemisinin concentration and yield in response to optimization of nitrogen and potassium supply to Artemisia annua. *Annals of Botany*, **2009**, 104, 315-23	4.1	49
15	Phytoestrogens as natural prodrugs in cancer prevention: dietary flavonoids. *Phytochemistry Reviews*, **2009**, 8, 375-386	7.7	33
14	CYP1-mediated antiproliferative activity of dietary flavonoids in MDA-MB-468 breast cancer cells. *Toxicology*, **2009**, 264, 162-70	4.4	70
13	Bioactivation of the phytoestrogen diosmetin by CYP1 cytochromes P450. *Cancer Letters*, **2009**, 274, 54-60	9.9	58
12	The methoxylated flavones eupatorin and cirsiliol induce CYP1 enzyme expression in MCF7 cells. *Journal of Natural Products*, **2009**, 72, 1390-4	4.9	25
11	Antiproliferative and cytostatic effects of the natural product eupatorin on MDA-MB-468 human breast cancer cells due to CYP1-mediated metabolism. *Breast Cancer Research*, **2008**, 10, R39	8.3	89
10	Phytoestrogens as natural prodrugs in cancer prevention: a novel concept. *Phytochemistry Reviews*, **2008**, 7, 431-443	7.7	19
9	Pinoresinol-lariciresinol reductase gene expression and secoisolariciresinol diglucoside accumulation in developing flax (Linum usitatissimum) seeds. *Planta*, **2006**, 224, 1291-301	4.7	92
8	Biosynthesis of podophyllotoxin in Linum album cell cultures. *Planta*, **2002**, 215, 1031-9	4.7	55
7	Plant cell factories as a source for anti-cancer lignans. *Phytochemistry Reviews*, **2002**, 1, 27-35	7.7	45
6	Regulation of thiophene biosynthesis by sulphate in roots of marigolds. *New Phytologist*, **1997**, 135, 175-181	9.1	7

5	Molecular and metabolic control of secondary metabolism. *Plant Cell, Tissue and Organ Culture*, **1995**, 43, 127-130	2.7	4
4	Thiophene interconversions in Tagetes patula hairy-root cultures. *Phytochemistry*, **1995**, 38, 1193-1197	4	18
3	Thiophene interconversion in elicitor-treated roots ofTagetes patula L. *Plant Cell Reports*, **1995**, 15, 133-7	3.1	7
2	Thiophene biosynthesis in Tagetes roots: molecular versus metabolic regulation. *Plant Cell, Tissue and Organ Culture*, **1994**, 38, 159-165	2.7	13
1	Occurrence of 5-methoxypodophyllotoxin in plants, cell cultures and regenerated plants of Linum flavum. *Plant Cell, Tissue and Organ Culture*, **1990**, 23, 93-100	2.7	28