

# David N Leach

## List of Publications by Year in descending order

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80  
papers

3,316  
citations

159358

30  
h-index

155451

55  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4050  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of structure and molecular properties of terpenoids in determining their antimicrobial activity. <i>Flavour and Fragrance Journal</i> , 1999, 14, 322-332.	1.2	384
2	Anti-inflammatory activity of Chinese medicinal vine plants. <i>Journal of Ethnopharmacology</i> , 2003, 85, 61-67.	2.0	166
3	A cross-cultural study: anti-inflammatory activity of Australian and Chinese plants. <i>Journal of Ethnopharmacology</i> , 2003, 85, 25-32.	2.0	150
4	An Agar Dilution Method for the Determination of the Minimum Inhibitory Concentration of Essential Oils. <i>Journal of Essential Oil Research</i> , 2000, 12, 249-255.	1.3	134
5	Gingerol Content of Diploid and Tetraploid Clones of Ginger ( <i>Zingiber officinale</i> Roscoe). <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5772-5778.	2.4	116
6	Chemical composition, antioxidant and antimicrobial activities of essential oils obtained from wild and cultivated Moroccan <i>Thymus</i> species. <i>Industrial Crops and Products</i> , 2013, 43, 450-456.	2.5	113
7	Natural variation in the essential oil content of <i>Melaleuca alternifolia</i> Cheel (Myrtaceae). <i>Biochemical Systematics and Ecology</i> , 2000, 28, 367-382.	0.6	107
8	Antioxidant Activity of 45 Chinese Herbs and the Relationship with their TCM Characteristics. <i>Evidence-based Complementary and Alternative Medicine</i> , 2008, 5, 429-434.	0.5	97
9	Sulfur-containing compounds in the aroma volatiles of melons ( <i>Cucumis melo</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 253-256.	2.4	88
10	Chemical Changes during the Development and Ripening of the Fruit of <i>Cucumis melo</i> (Cv. Makdimon). <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 210-216.	2.4	86
11	Essential Oil Composition of Diploid and Tetraploid Clones of Ginger ( <i>Zingiber officinale</i> Roscoe) Grown in Australia. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 1414-1419.	2.4	83
12	Antioxidant Capacity of 55 Medicinal Herbs Traditionally Used to Treat The Urinary System: A Comparison Using A Sequential Three-Solvent Extraction Process. <i>Journal of Alternative and Complementary Medicine</i> , 2007, 13, 103-110.	2.1	75
13	Fate of Apple Peel Phenolics during Cool Storage. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 2283-2289.	2.4	73
14	Chemical Composition and Antioxidant and Anticandidal Activities of Essential Oils from Different Wild Moroccan <i>Thymus</i> Species. <i>Chemistry and Biodiversity</i> , 2012, 9, 1188-1197.	1.0	73
15	A New Anti-Inflammatory Glucoside from <i>Ficus racemosa</i> L. <i>Planta Medica</i> , 2004, 70, 421-426.	0.7	70
16	The use of HPLC protein profiles in fish species identification. <i>Food Chemistry</i> , 1992, 44, 147-155.	4.2	67
17	In vitro Cytotoxicity of Australian Tea Tree Oil using Human Cell Lines. <i>Journal of Essential Oil Research</i> , 1997, 9, 575-582.	1.3	63
18	Antioxidative activity and synergistic effect of <i>Thymus saturejoides</i> Coss. essential oils with cefixime against selected food-borne bacteria. <i>Industrial Crops and Products</i> , 2014, 61, 338-344.	2.5	61

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19	Investigation of Î±-glucosidase inhibitory activity of wheat bran and germ. Food Chemistry, 2011, 126, 553-561.	4.2	57
20	Phenological changes to the chemical composition and biological activity of the essential oil from Moroccan endemic thyme ( <i>Thymus maroccanus</i> Ball). Industrial Crops and Products, 2013, 49, 366-372.	2.5	55
21	Echinacea alkylamides modulate induced immune responses in T-cells. FÃ¼r totterapÃ¼r, 2008, 79, 53-58.	1.1	52
22	Comparative Chemical Analysis of the Essential Oil Constituents in the Bark, Heartwood and Fruits of <i>Cryptocarya massoy</i> (Oken) Kosterm. (Lauraceae) from Papua New Guinea. Molecules, 2007, 12, 149-154.	1.7	49
23	Anti-inflammatory activity, cytotoxicity and active compounds of <i>Tinospora smilacina</i> Benth.. Phytotherapy Research, 2004, 18, 78-83.	2.8	48
24	Wheat bran lipophilic compounds with in vitro anticancer effects. Food Chemistry, 2012, 130, 156-164.	4.2	48
25	Comparative evaluation of antioxidant and insecticidal properties of essential oils from five Moroccan aromatic herbs. Journal of Food Science and Technology, 2015, 52, 2312-2319.	1.4	46
26	Aroma volatiles of <i>Cucumis melo</i> cv. Golden Crispy. Journal of Agricultural and Food Chemistry, 1990, 38, 2042-2044.	2.4	45
27	Essential Oil Composition of Zingiberaceae Species from Mauritius. Journal of Essential Oil Research, 2002, 14, 271-273.	1.3	40
28	Acaricidal and Cytotoxic Activities of Extracts from Selected Genera of Australian Lamiaceae. Journal of Economic Entomology, 2005, 98, 1259-1266.	0.8	37
29	Chemical composition and cytotoxicity of oils and eremophilanes derived from various parts of <i>Eremophila mitchellii</i> Benth. (Myoporaceae). Phytochemistry, 2011, 72, 400-408.	1.4	37
30	Chemical Characterization and Insecticidal Properties of Essential Oils from Different Wild Populations of <i>Mentha suaveolens</i> subsp. <i>timija</i> (<sc>Briq</sc>.) <sc>Harley</sc> from Morocco. Chemistry and Biodiversity, 2015, 12, 823-831.	1.0	33
31	Enantiomeric composition of the principal components of the oil of <i>Melaleuca alternifolia</i> . Journal of Agricultural and Food Chemistry, 1993, 41, 1627-1632.	2.4	31
32	Key Aroma Compounds in Melons. ACS Symposium Series, 1995, , 248-257.	0.5	30
33	Improved Method for the Rapid Determination of Terpenoid Aldehydes in Cotton. Journal of Agricultural and Food Chemistry, 2001, 49, 2181-2184.	2.4	30
34	Cultivation and the application of inorganic fertilizer modifies essential oil composition in two Moroccan species of <i>Thymus</i> . Industrial Crops and Products, 2014, 62, 113-118.	2.5	29
35	Inhibition of COXs and 5-LOX and activation of PPARs by Australian Clematis species (Ranunculaceae). Journal of Ethnopharmacology, 2006, 104, 138-143.	2.0	28
36	Elucidation of Danzhixiaoyao Wan and Its Constituent Herbs on Antioxidant Activity and Inhibition of Nitric Oxide Production. Evidence-based Complementary and Alternative Medicine, 2007, 4, 425-430.	0.5	28

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37	Volatile Chemical Constituents of <i>Piper aduncum</i> L and <i>Piper gibbilimum</i> C. DC (Piperaceae) from Papua New Guinea. <i>Molecules</i> , 2007, 12, 389-394.	1.7	28
38	Effects of season and location of catch on the fatty acid compositions of some Australian fish species. <i>Food Chemistry</i> , 1994, 51, 295-305.	4.2	26
39	Sulfur Volatiles in <i>Cucumis melo</i> cv. Makdimon (Muskmelon) Aroma. <i>ACS Symposium Series</i> , 1994, , 36-48.	0.5	26
40	Incorporation of Oxygen-18 into Terpinen-4-ol from the H218O Steam Distillates of <i>Melaleuca alternifolia</i> (Tea Tree). <i>Journal of Essential Oil Research</i> , 1995, 7, 613-620.	1.3	25
41	Diarylheptanoid from <i>Pleuranthodium racemigerum</i> within <i>Vitro</i> Prostaglandin E2 Inhibitory and Cytotoxic Activity. <i>Journal of Natural Products</i> , 2010, 73, 743-746.	1.5	24
42	Synergistic immuno-modulatory activity in human macrophages of a medicinal mushroom formulation consisting of Reishi, Shiitake and Maitake. <i>PLoS ONE</i> , 2019, 14, e0224740.	1.1	24
43	Caco-2 Cell Permeability of Flavonoids and Saponins from <i>Gynostemma pentaphyllum</i> : the Immortal Herb. <i>ACS Omega</i> , 2020, 5, 21561-21569.	1.6	23
44	Cyclophanes. 9. Dibenzo[def,pqr]tetraphenylene: a benzoannulated cyclooctatetraene composed of orthogonal aromatic systems. <i>Journal of Organic Chemistry</i> , 1978, 43, 2484-2487.	1.7	22
45	Chemical composition, antioxidant and insecticidal properties of essential oils from wild and Morocco. <i>Industrial Crops and Products</i> , 2014, 57, 106-109.	2.5	22
46	Plant growth, mineral nutrition and volatile oil composition of <i>Mentha suaveolens</i> subsp. <i>timija</i> (Briq.) Harley cultivated under salt stress conditions. <i>Industrial Crops and Products</i> , 2014, 59, 80-84.	2.5	22
47	Hydrolysis of hedycaryol: the origin of the eudesmols in the Myrtaceae. <i>Flavour and Fragrance Journal</i> , 2000, 15, 421-431.	1.2	21
48	Isolation of genes involved in secondary metabolism from <i>Melaleuca alternifolia</i> (Cheel) using expressed sequence tags (ESTs). <i>Plant Science</i> , 2002, 162, 9-15.	1.7	21
49	Cytotoxic clerodane diterpenes from <i>Glossocarya calcicola</i> . <i>Phytochemistry</i> , 2005, 66, 2844-2850.	1.4	20
50	Germacradienols in the essential oils of the Myrtaceae. <i>Flavour and Fragrance Journal</i> , 2001, 16, 263-273.	1.2	19
51	The Origin of Terpinen-4-ol in the Steam Distillates of <i>Melaleuca argentea</i> , <i>M. dissitiflora</i> and <i>M. linariifolia</i> . <i>Journal of Essential Oil Research</i> , 1999, 11, 49-53.	1.3	18
52	Essential Oil Composition and Antimicrobial Activity of Wild and Cultivated Moroccan <i>Achillea ageratum</i> L.: a Rare and Threatened Medicinal Species. <i>Chemistry and Biodiversity</i> , 2012, 9, 598-605.	1.0	17
53	Effects of preservation by gamma-irradiation on the nutritional quality of Australian fish. <i>Food Chemistry</i> , 1994, 50, 351-357.	4.2	16
54	Isolation and partial characterisation of a putative monoterpene synthase from <i>Melaleuca alternifolia</i> . <i>Plant Physiology and Biochemistry</i> , 2004, 42, 875-882.	2.8	16

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55	Insecticidal properties and chemical composition of essential oils of some aromatic herbs from Morocco. <i>Natural Product Research</i> , 2014, 28, 2338-2341.	1.0	15
56	Nutritional Evaluation of Lipids in Fish from Temperate Australian Waters. <i>Journal of Food Science</i> , 1991, 56, 1111-1112.	1.5	14
57	Development of Flavor Attributes in the Fruit of <i>C. melo</i> During Ripening and Storage. <i>ACS Symposium Series</i> , 1996, , 228-239.	0.5	14
58	Acaricidal properties of essential oils from Moroccan plants against immature ticks of <i>Hyalomma aegyptium</i> (Linnaeus, 1758); an external parasite of the spur-thighed tortoise ( <i>Testudo</i> ) <i>Tj ETQq0 0 0 rgBT /Oarlock 104Tf 50 617</i>	0.4	10
59	Antimicrobial Activity of Essential Oils from <i>Zieria</i> . <i>Journal of Essential Oil Research</i> , 1998, 10, 165-174.	1.3	11
60	Origin of (+)- $\gamma$ -cadinene and the cubenols in the essential oils of the Myrtaceae. <i>Flavour and Fragrance Journal</i> , 2000, 15, 352-361.	1.2	10
61	Triumphalone, a diketone from the volatile oil of the leaves of <i>Melaleuca triumphalis</i> , and its spontaneous conversion into isotriumphalone. <i>Phytochemistry</i> , 2006, 67, 2085-2089.	1.4	10
62	Isopentenyl pyrophosphate isomerases from <i>Melaleuca alternifolia</i> (Cheel) and their role in isoprenoid biosynthesis. <i>Journal of Horticultural Science and Biotechnology</i> , 2004, 79, 289-292.	0.9	9
63	Prenylated bisresorcinols from <i>Grevillea floribunda</i> . <i>Phytochemistry Letters</i> , 2009, 2, 41-45.	0.6	9
64	Chemical Characterization and Biological Activities of Essential Oil Obtained from Mint <i>Timija</i> Cultivated under Mineral and Biological Fertilizers. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-7.	0.7	9
65	Secondary metabolites from <i>Grevillea robusta</i> . <i>Biochemical Systematics and Ecology</i> , 2008, 36, 452-453.	0.6	8
66	Antibacterial Activity of Essential Oils of Some Moroccan Aromatic Herbs Against Selected Food-related Bacteria. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2016, 19, 1075-1085.	0.7	8
67	Concerted and two-step conformational ring-flipping in [2.2] (3,3- $\Delta^2$ ,4,4- $\Delta^2$ ) biphenylophanes. <i>Tetrahedron Letters</i> , 1979, 20, 4501-4504.	0.7	7
68	New guinea salt fern ( <i>Asplenium acrobryum</i> complex): Identity, distribution, and chemical composition of its salt. <i>Economic Botany</i> , 1985, 39, 139-149.	0.8	7
69	(Z)- $\beta$ -Ocimene from Two Species of <i>Homoranthus</i> (Myrtaceae). <i>Journal of Essential Oil Research</i> , 1998, 10, 229-233.	1.3	6
70	Effects and potential mechanisms of Danzhi Xiaoyao Pill (ä,1æ€€€ä) on proliferation of MCF-7 human breast cancer cells in vitro. <i>Chinese Journal of Integrative Medicine</i> , 2008, 14, 128-131.	0.7	6
71	Chemical Composition and Anticandidal Properties of the Essential Oil Isolated from Aerial parts of <i>Cotula cinerea</i> : A Rare and Threatened Medicinal Plant in Morocco. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.2	6
72	Intraspecific chemical variability of essential oil from leaves of <i>Cupressus atlantica</i> Gaussen, an endemic and endangered coniferous species in Morocco. <i>Natural Product Research</i> , 2013, 27, 579-582.	1.0	6

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73	Development of <i>C. litoria ternatea</i> as a biopesticide for cotton pest management: assessment of product effect on <i>H. elioverpa</i> spp. and their natural enemies. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 154, 131-145.	0.7	6
74	Chemical composition and anticandidal properties of the essential oil isolated from aerial parts of <i>Cotula cinerea</i> : a rare and threatened medicinal plant in Morocco. <i>Natural Product Communications</i> , 2011, 6, 1491-4.	0.2	6
75	Prenylated alkylbisphenols from <i>Grevillea whiteana</i> . <i>Natural Product Communications</i> , 2009, 4, 951-8.	0.2	5
76	Bisresorcinol Derivatives from <i>Grevillea glauca</i> . <i>Helvetica Chimica Acta</i> , 2011, 94, 1812-1819.	1.0	4
77	(3R,4S,5S,8S,10R,13R)-3-Hydroxykaura-9(11),16-dien-18-oic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o526-o527.	0.2	3
78	Prenylated Alkylbisphenols from <i>Grevillea whiteana</i> . <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.2	2
79	Bisresorcinols and Arbutin Derivatives from <i>Grevillea banksii</i> R. Br. <i>Natural Product Communications</i> , 2008, 3, 1934578X0800300.	0.2	1
80	A Method of Selecting Plants with Anti-inflammatory Potential for Pharmacological Study. <i>Natural Product Communications</i> , 2008, 3, 1934578X0800300.	0.2	1