

# Helen Sheridan

## List of Publications by Year in descending order

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101  
papers

3,525  
citations

304743

22  
h-index

155660

55  
g-index

107  
all docs

107  
docs citations

107  
times ranked

3450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural products in drug discovery: advances and opportunities. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 200-216.	46.4	1,990
2	RBL-2H3 cells are an imprecise model for mast cell mediator release. <i>Inflammation Research</i> , 2009, 58, 611-618.	4.0	97
3	The potential of metabolic fingerprinting as a tool for the modernisation of TCM preparations. <i>Journal of Ethnopharmacology</i> , 2012, 140, 482-491.	4.1	73
4	The potential of parasitoid Hymenoptera as bioindicators of arthropod diversity in agricultural grasslands. <i>Journal of Applied Ecology</i> , 2011, 48, 382-390.	4.0	50
5	Hypoglycemic activity of two Brazilian Bauhinia species: <i>Bauhinia forficata</i> L. and <i>Bauhinia monandra</i> Kurz.. <i>Revista Brasileira De Farmacognosia</i> , 2007, 17, 8-13.	1.4	42
6	Enhancement of Insulin Release from the $\beta$ -Cell Line INS-1 by an Ethanolic Extract of <i>Bauhinia variegata</i> and Its Major Constituent Roseoside. <i>Planta Medica</i> , 2010, 76, 995-997.	1.3	42
7	Impact of farmer self-identity and attitudes on participation in agri-environment schemes. <i>Land Use Policy</i> , 2020, 95, 104660.	5.6	42
8	Grazing multispecies swards improves ewe and lamb performance. <i>Animal</i> , 2019, 13, 1721-1729.	3.3	38
9	Methods of enhancing botanical diversity within field margins of intensively managed grassland: a 7-year field experiment. <i>Journal of Applied Ecology</i> , 2011, 48, 551-560.	4.0	36
10	Synthesis and antispasmodic activity of analogues of natural pterosins. <i>European Journal of Medicinal Chemistry</i> , 1999, 34, 953-966.	5.5	35
11	Resveratrol-Based Nanoformulations as an Emerging Therapeutic Strategy for Cancer. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 649395.	3.5	34
12	Bioactive Naphthoquinones from Higher Plants. <i>Studies in Natural Products Chemistry</i> , 2014, 41, 119-160.	1.8	33
13	Synthesis and antispasmodic activity of nature identical substituted indanes and analogues. <i>European Journal of Medicinal Chemistry</i> , 1990, 25, 603-608.	5.5	32
14	Smooth Muscle Relaxant Activity of Pterosin Z and Related Compounds. <i>Planta Medica</i> , 1999, 65, 271-272.	1.3	31
15	Biotransformation of aliphatic and aromatic ketones, including several monoterpenoid ketones and their derivatives by five species of marine microalgae. <i>Phytochemistry</i> , 2003, 63, 31-36.	2.9	29
16	Open Innovation in Medical and Pharmaceutical Research: A Literature Landscape Analysis. <i>Frontiers in Pharmacology</i> , 2020, 11, 587526.	3.5	29
17	Antraquinones from <i>Trichoderma polysporum</i> . <i>Phytochemistry</i> , 1986, 25, 2303-2304.	2.9	28
18	Galloylquinic acid derivatives from <i>Copaifera langsdorffii</i> leaves display gastroprotective activity. <i>Chemico-Biological Interactions</i> , 2017, 261, 145-155.	4.0	27

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19	The effect of increasing pasture species on herbage production, chemical composition and utilization under intensive sheep grazing. <i>Grass and Forage Science</i> , 2018, 73, 852-864.	2.9	27
20	Investigation into the mast cell stabilizing activity of nature-identical and synthetic indanones. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 1423-1427.	2.4	26
21	Diastereoisomers of 2-benzyl-2, 3-dihydro-2-(1H-inden-2-yl)-1H-inden-1-ol: Potential anti-inflammatory agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5927-5930.	2.2	25
22	6-(Methylamino)hexane-1,2,3,4,5-pentanol 4-(((1 <i>S</i> ,2 <i>S</i> )-1-Hydroxy-2,3-dihydro-1 <i>H</i> -[2,2-biinden]-2-yl)methyl)benzoate (PH46A): A Novel Small Molecule With Efficacy In Murine Models Of Colitis. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5497-5505.	6.4	24
23	Different bioindicators measured at different spatial scales vary in their response to agricultural intensity. <i>Ecological Indicators</i> , 2012, 18, 676-683.	6.3	24
24	Hesperetin's health potential: moving from preclinical to clinical evidence and bioavailability issues, to upcoming strategies to overcome current limitations. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 4449-4464.	10.3	24
25	Plant and invertebrate diversity in grassland field margins. <i>Agriculture, Ecosystems and Environment</i> , 2008, 123, 225-232.	5.3	23
26	Interactions between livestock systems and biodiversity in South-East Ireland. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 232-238.	5.3	22
27	Sesquiterpenes from <i>Leontopodium alpinum</i> . <i>Phytochemistry</i> , 1999, 50, 1057-1060.	2.9	20
28	Novel Radicinol Derivatives from Long-Term Cultures of <i>Alternaria chrysanthemi</i> . <i>Journal of Natural Products</i> , 1999, 62, 1568-1569.	3.0	20
29	Synthesis of $\beta$ -amino acid derivatives, and eight deuterated analogues, substrates for the investigation of the mechanism of action of isopenicillin N synthase. <i>Tetrahedron</i> , 1991, 47, 8203-8222.	1.9	19
30	The role of grassland sward islets in the distribution of arthropods in cattle pastures. <i>Insect Conservation and Diversity</i> , 2010, 3, 291-301.	3.0	19
31	The antiviral potential of algal-derived macromolecules. <i>Current Research in Biotechnology</i> , 2021, 3, 120-134.	3.7	19
32	Hydroxycinnamic acid esters from cell suspension cultures and plants of <i>Leontopodium alpinum</i> . <i>Phytochemistry</i> , 1989, 28, 489-490.	2.9	18
33	The influence of conservation field margins in intensively managed grazing land on communities of five arthropod trophic groups. <i>Insect Conservation and Diversity</i> , 2013, 6, 201-211.	3.0	18
34	Molecular structure studies of (1 <i>S</i> ,2 <i>S</i> )-2-benzyl-2,3-dihydro-2-(1 <i>H</i> -inden-2-yl)-1 <i>H</i> -inden-1-ol. <i>Journal of Molecular Structure</i> , 2015, 1083, 286-299.	3.6	18
35	Enhancing the Sustainability of Temperate Pasture Systems through More Diverse Swards. <i>Agronomy</i> , 2021, 11, 1912.	3.0	18
36	Biotransformation of aromatic aldehydes by five species of marine microalgae. <i>Phytochemistry</i> , 1999, 51, 621-627.	2.9	17

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37	Bioactive indanes: insight into the bioactivity of indane dimers related to the lead anti-inflammatory molecule PH46A. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 927-937.	2.4	17
38	Volatile metabolites from suspension cultures of <i>Taraxacum officinale</i> . <i>Phytochemistry</i> , 1991, 30, 3977-3979.	2.9	16
39	Synthesis of Fern Sesquiterpene Pterosin Z via a Novel Palladium-Catalyzed Route. <i>Journal of Natural Products</i> , 1996, 59, 446-447.	3.0	16
40	Pastoral farmland habitat diversity in south-east Ireland. <i>Agriculture, Ecosystems and Environment</i> , 2011, 144, 130-135.	5.3	16
41	Sward composition and soil moisture conditions affect nitrous oxide emissions and soil nitrogen dynamics following urea-nitrogen application. <i>Science of the Total Environment</i> , 2020, 722, 137780.	8.0	16
42	The effect of grazing versus cutting on dry matter production of multispecies and perennial ryegrass swards. <i>Grass and Forage Science</i> , 2019, 74, 437-449.	2.9	15
43	Key traits for ruminant livestock across diverse production systems in the context of climate change: perspectives from a global platform of research farms. <i>Reproduction, Fertility and Development</i> , 2021, 33, 1.	0.4	15
44	Alkaloids of cell cultures derived from strains of <i>Papaver bracteatum</i> . <i>Phytochemistry</i> , 1988, 27, 2137-2141.	2.9	14
45	Isolation of (S)-(-)-2,3-Dihydro-2,6-dimethyl-4H-benzopyran-4-one from Roots of <i>Leontopodium alpinum</i> . <i>Journal of Natural Products</i> , 1997, 60, 148-149.	3.0	13
46	Farmland habitat diversity in Ireland. <i>Land Use Policy</i> , 2017, 63, 206-213.	5.6	13
47	Antinociceptive and anti-inflammatory activities of <i>Copaifera pubiflora</i> Benth oleoresin and its major metabolite ent-hardwickiic acid. <i>Journal of Ethnopharmacology</i> , 2021, 271, 113883.	4.1	13
48	Source partitioning using N <sub>2</sub> O isotopomers and soil WFPS to establish dominant N <sub>2</sub> O production pathways from different pasture sward compositions. <i>Science of the Total Environment</i> , 2021, 781, 146515.	8.0	13
49	Bisradicinin: A Novel Dimer Elicited in Cultures of <i>Alternaria chrysanthemi</i> . <i>Journal of Natural Products</i> , 1992, 55, 487-490.	3.0	12
50	Ionisation characteristics and elimination rates of some aminoindanones determined by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2004, 1045, 233-238.	3.7	12
51	A series of 1, 2-coupled indane dimers with mast cell stabilisation and smooth muscle relaxation properties. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 5018-5022.	5.5	12
52	Isolation, Structure Elucidation, and Cytotoxic Evaluation of Furanonaphthoquinones from in Vitro Plantlets and Cultures of <i>Streptocarpus dunnii</i> . <i>Journal of Natural Products</i> , 2011, 74, 82-85.	3.0	12
53	Field margins: a comparison of establishment methods and effects on hymenopteran parasitoid communities. <i>Insect Conservation and Diversity</i> , 2014, 7, 289-307.	3.0	12
54	Semi-natural habitats and Ecological Focus Areas on cereal, beef and dairy farms in Ireland. <i>Land Use Policy</i> , 2019, 88, 104096.	5.6	12

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55	Toll-like Receptors and RBL-2H3 Mast Cells. <i>Inflammation Research</i> , 2009, 58, 11-12.	4.0	10
56	Antidiabetic Activities of an LC/MS Fingerprinted Aqueous Extract of <i>Fagonia cretica</i> L. in Preclinical Models. <i>Planta Medica</i> , 2017, 83, 1141-1148.	1.3	10
57	Taking the steps toward sustainable livestock: our multidisciplinary global farm platform journey. <i>Animal Frontiers</i> , 2021, 11, 52-58.	1.7	10
58	Biotransformation of linalyl acetate by suspension cultures of <i>Papaver bracteatum</i> . <i>Phytochemistry</i> , 1990, 29, 2143-2144.	2.9	9
59	Discrimination of <i>Mentha</i> species grown in different geographical areas of Algeria using <sup>1</sup> H-NMR-based metabolomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113430.	2.8	9
60	Yield of binary- and multi-species swards relative to single-species swards in intensive silage systems. <i>Irish Journal of Agricultural and Food Research</i> , 2021, 59, .	0.4	9
61	Synthesis and pharmacological activity of aminoindanone dimers and related compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 248-254.	3.0	8
62	Access to groundwater and link to the impact on quality of life: A look at the past, present and future public health needs in Mzimba District, Malawi. <i>Groundwater for Sustainable Development</i> , 2016, 2-3, 117-129.	4.6	8
63	Enhancing the diversity of breeding invertebrates within field margins of intensively managed grassland: Effects of alternative management practices. <i>Ecology and Evolution</i> , 2017, 7, 9763-9774.	1.9	8
64	Enhancement of Anthocyanin Production in Cell Cultures and Hairy Roots of <i>Leontopodium alpinum</i> . <i>Planta Medica</i> , 1992, 58, 605-606.	1.3	7
65	Are identities oral? Understanding ethnobotanical knowledge after Irish independence (1937-1939). <i>Journal of Ethnobiology and Ethnomedicine</i> , 2017, 13, 65.	2.6	7
66	An assessment of bird species within Irish agricultural landscapes using the Field Boundary Evaluation and Grading System. <i>Bird Study</i> , 2010, 57, 108-115.	1.0	6
67	Investigation of the Stereoselective Synthesis of the Indane Dimer PH46A, a New Potential Anti-inflammatory Agent. <i>Organic Process Research and Development</i> , 2017, 21, 1972-1979.	2.7	6
68	Enhancement of Dihydrosanguinarine Production in Suspension Cultures of <i>Papaver, bracteatum</i> , l. Medium Modifications. <i>Journal of Natural Products</i> , 1992, 55, 1513-1517.	3.0	5
69	(1 <i>S</i> )-1-Phenylethanaminium 4-[[[(1 <i>S</i> ),2 <i>S</i> )-1-hydroxy-2,3-dihydro-1 <i>H</i> -[2,2 <i>b</i> inden]-2-yl]methyl]benzoate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o323-o326.	0.4	5
70	A comparison of grassland vegetation from three agri-environment conservation measures. <i>Irish Journal of Agricultural and Food Research</i> , 2016, 55, 176-191.	0.4	5
71	The effects of defoliating grass in winter or spring on herbage yields and ensilage characteristics. <i>Grass and Forage Science</i> , 2017, 72, 22-37.	2.9	5
72	History and Current Status of Herbal Medicines. , 2017, , 11-27.		5

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73	Composition and Quality Control of Herbal Medicines. , 2017, , 29-65.		5
74	Trichomes and naphthoquinones protect <i>Streptocarpus dunnii</i> Hook.f. against environmental stresses. South African Journal of Botany, 2018, 119, 193-202.	2.5	5
75	Herbage nutritive value of binary- and multi-species swards relative to single-species swards in intensive silage systems. Irish Journal of Agricultural and Food Research, 2020, 59, .	0.4	5
76	Stereoselective Reduction of Radicinin by Liquid Cultures of <i>Alternaria longipes</i> . Journal of Natural Products, 1992, 55, 986-988.	3.0	4
77	Inhibition of LFA-1 Mediated T-Cell Motility by Naphthoquinones. Planta Medica, 2008, 74, 1383-1387.	1.3	4
78	Development of a Sustainably-Competitive Agriculture. , 2012, , 35-65.		4
79	Exploring the Irish National Folklore Ethnography Database (DÃ©chas) for Open Data Research on Traditional Medicine Use in Post-Famine Ireland: An Early Example of Citizen Science. Frontiers in Pharmacology, 2020, 11, 584595.	3.5	4
80	Conservation efficiency and nutritive value of silages made from grass-red clover and multi-species swards compared with grass monocultures. Irish Journal of Agricultural and Food Research, 2021, 59, .	0.4	4
81	BOTANICAL REJUVENATION OF FIELD MARGINS AND BENEFITS FOR INVERTEBRATE FAUNA ON A DRYSTOCK FARM IN COUNTY LONGFORD. Biology and Environment, 2009, 109, 95-106.	0.3	4
82	<i>N</i>-Cyclopentyl-<i>N</i>-(3-oxo-2,3-dihydro-1<i>H</i>-inden-1-yl)acetamide. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o958-o958.	0.2	3
83	The indane diastereoisomers, PH2 and PH5: divergence between their effects in delayed-type hypersensitivity models and a model of colitis. Journal of Pharmacy and Pharmacology, 2017, 70, 101-110.	2.4	3
84	Bioactive indanes: Development and validation of an LC-MS/MS bioanalytical method for the determination of PH46A, a new potential anti-inflammatory agent, in dog and rat plasma and its application to a pharmacokinetic study in dog. Journal of Pharmaceutical and Biomedical Analysis, 2020, 179, 113011.	2.8	3
85	In vivo study of anti-inflammatory and antinociceptive activities of <i>Copaifera pubiflora</i> Benth oleoresin. Natural Product Research, 2020, , 1-7.	1.8	3
86	Volatile Metabolites with â€œAppleâ€•Odour from Suspension Cultures of <i>Taraxacum officinale</i> . Planta Medica, 1990, 56, 627-628.	1.3	2
87	In vitro inhibition of rat basophilic leukaemia mast cell (RBL-2H3) degranulation by novel indane compounds. Inflammation Research, 2008, 57, 15-16.	4.0	2
88	2-(Diphenylmethylidene)-2,3-dihydro-1<i>H</i>-inden-1-one. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1306-o1307.	0.2	2
89	A novel method for quantifying overdispersion in count data and its application to farmland birds. Ibis, 2017, 159, 406-414.	1.9	2
90	Bioactive Indanes: Comparative in vitro Metabolism Study of PH46A, a New Potential Anti-inflammatory Agent and Biosynthesis of its Primary Metabolite PH132. Journal of Drug Metabolism & Toxicology, 2018, 09, .	0.1	2

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91	Bioactive Indanes: Proof of Concept Study for Enantioselective Synthetic Routes to PH46A, a New Potential Anti-Inflammatory Agent. <i>Molecules</i> , 2018, 23, 1503.	3.8	2
92	Effects of (±)-dunnione and quinone-containing extracts from in vitro-cultured plantlets of <i>Streptocarpus dunnii</i> Hook. f. and a hybrid "Ruby"™ on seed germination. <i>South African Journal of Botany</i> , 2020, 131, 1-11.	2.5	2
93	Cathin-6-one from the Root Bark of <i>Phellodendron chinense</i> . <i>Planta Medica</i> , 1992, 58, 299-299.	1.3	1
94	Effect of novel indanes on the degranulation of rat basophilic leukemia mast cells (RBL-2H3). <i>FASEB Journal</i> , 2007, 21, A442.	0.5	1
95	<i>Papaver bracteatum</i> Lindley (Giant Scarlet Poppy): In Vitro Production of Benzophenanthridine Alkaloids. <i>Biotechnology in Agriculture and Forestry</i> , 1994, , 346-365.	0.2	1
96	Transgenic <i>Leontopodium</i> (Edelweiss). <i>Biotechnology in Agriculture and Forestry</i> , 2001, , 221-236.	0.2	0
97	Neutraceutical Targeting of the Bile Acid Receptor, Farnesoid X Receptor, for Intestinal Disease. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
98	Unlocking Nature's Pharmacy - the story of an Irish Bog Lichen. <i>Planta Medica</i> , 2021, 87, .	1.3	0
99	<i>Carissa spinarum</i> L. (Apocynaceae): a case study in ethnomedical research. <i>Planta Medica</i> , 2021, 87, .	1.3	0
100	Unlocking Nature's Pharmacy " Assessing the Quality of Irish Echinacea plant materials. <i>Planta Medica</i> , 2021, 87, .	1.3	0
101	<i>Carissa spinarum</i> L.: A Case Study in Ethnobotany and Bioprospecting Research. , 0, , .		0