

Katherine A Hammer

List of Publications by Year in descending order

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59
papers

6,013
citations

172207

29
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133063

59
g-index

61
all docs

61
docs citations

61
times ranked

6526
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial activity of essential oils and other plant extracts. <i>Journal of Applied Microbiology</i> , 1999, 86, 985-990.	1.4	1,784
2	<i>Melaleuca alternifolia</i> (Tea Tree) Oil: a Review of Antimicrobial and Other Medicinal Properties. <i>Clinical Microbiology Reviews</i> , 2006, 19, 50-62.	5.7	959
3	Antifungal activity of the components of <i>Melaleuca alternifolia</i> (tea tree) oil. <i>Journal of Applied Microbiology</i> , 2003, 95, 853-860.	1.4	371
4	Antimicrobial activity of commercial <i>Olea europaea</i> (olive) leaf extract. <i>International Journal of Antimicrobial Agents</i> , 2009, 33, 461-463.	1.1	254
5	Antifungal effects of <i>Melaleuca alternifolia</i> (tea tree) oil and its components on <i>Candida albicans</i> , <i>Candida glabrata</i> and <i>Saccharomyces cerevisiae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 53, 1081-1085.	1.3	239
6	A review of the toxicity of <i>Melaleuca alternifolia</i> (tea tree) oil. <i>Food and Chemical Toxicology</i> , 2006, 44, 616-625.	1.8	235
7	In-vitro activity of essential oils, in particular <i>Melaleuca alternifolia</i> (tea tree) oil and tea tree oil products, against <i>Candida</i> spp. <i>Journal of Antimicrobial Chemotherapy</i> , 1998, 42, 591-595.	1.3	158
8	In vitro activity of <i>Melaleuca alternifolia</i> (tea tree) oil against dermatophytes and other filamentous fungi. <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 50, 195-199.	1.3	138
9	Susceptibility of transient and commensal skin flora to the essential oil of <i>Melaleuca alternifolia</i> (tea tree) oil. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 1078-1085.	1.1	136
10	Effects of <i>Melaleuca alternifolia</i> (Tea Tree) Essential Oil and the Major Monoterpene Component Terpinen-4-ol on the Development of Single- and Multistep Antibiotic Resistance and Antimicrobial Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 909-915.	1.4	124
11	Antimicrobial activity of honey from the stingless bee <i>Trigona carbonaria</i> determined by agar diffusion, agar dilution, broth microdilution and time-kill methodology. <i>Journal of Applied Microbiology</i> , 2010, 108, 1534-1543.	1.4	117
12	Tolerance of <i>Pseudomonas aeruginosa</i> to <i>Melaleuca alternifolia</i> (tea tree) oil is associated with the outer membrane and energy-dependent cellular processes. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 54, 386-392.	1.3	96
13	Susceptibility of oral bacteria to <i>Melaleuca alternifolia</i> (tea tree) oil in vitro. <i>Oral Microbiology and Immunology</i> , 2003, 18, 389-392.	2.8	82
14	Influence of organic matter, cations and surfactants on the antimicrobial activity of <i>Melaleuca alternifolia</i> (tea tree) oil in vitro. <i>Journal of Applied Microbiology</i> , 1999, 86, 446-452.	1.4	80
15	Treatment of acne with tea tree oil (<i>Melaleuca</i>) products: A review of efficacy, tolerability and potential modes of action. <i>International Journal of Antimicrobial Agents</i> , 2015, 45, 106-110.	1.1	80
16	In Vitro Activities of Ketoconazole, Econazole, Miconazole, and <i>Melaleuca alternifolia</i> (Tea Tree) Oil against <i>Malassezia</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 467-469.	1.4	77
17	Use of multiparameter flow cytometry to determine the effects of monoterpenoids and phenylpropanoids on membrane polarity and permeability in staphylococci and enterococci. <i>International Journal of Antimicrobial Agents</i> , 2012, 40, 239-245.	1.1	55
18	Recent developments in the bioactivity of mono- and diterpenes: anticancer and antimicrobial activity. <i>Phytochemistry Reviews</i> , 2015, 14, 1-6.	3.1	55

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19	Assessment of the antibacterial activity of tea tree oil using the European EN 1276 and EN 12054 standard suspension tests. <i>Journal of Hospital Infection</i> , 2005, 59, 113-125.	1.4	54
20	Susceptibility of pseudomonads to <i>Melaleuca alternifolia</i> (tea tree) oil and components. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 449-451.	1.3	53
21	<i>Candida albicans</i> adhesion to human epithelial cells and polystyrene and formation of biofilm is reduced by sub-inhibitory <i>Melaleuca alternifolia</i> (tea tree) essential oil. <i>Medical Mycology</i> , 2012, 50, 863-870.	0.3	39
22	Anti-biofilm effects and characterisation of the hydrogen peroxide activity of a range of Western Australian honeys compared to Manuka and multifloral honeys. <i>Scientific Reports</i> , 2019, 9, 17666.	1.6	39
23	Honey antibacterial activity: A neglected aspect of honey quality assurance as functional food. <i>Trends in Food Science and Technology</i> , 2021, 118, 870-886.	7.8	39
24	In-vitro activity of the essential oil of <i>Melaleuca alternifolia</i> against <i>Streptococcus</i> spp. <i>Journal of Antimicrobial Chemotherapy</i> , 1996, 37, 1177-1178.	1.3	38
25	Effect of habituation to tea tree (<i>Melaleuca alternifolia</i>) oil on the subsequent susceptibility of <i>Staphylococcus</i> spp. to antimicrobials, triclosan, tea tree oil, terpinen-4-ol and carvacrol. <i>International Journal of Antimicrobial Agents</i> , 2013, 41, 343-351.	1.1	37
26	Antibacterial activity and chemical characteristics of several Western Australian honeys compared to manuka honey and pasture honey. <i>Archives of Microbiology</i> , 2017, 199, 347-355.	1.0	36
27	Effectiveness of hand-cleansing formulations containing tea tree oil assessed ex vivo on human skin and in vivo with volunteers using European standard EN 1499. <i>Journal of Hospital Infection</i> , 2005, 59, 220-228.	1.4	34
28	Antimicrobial Activity of Several Cineole-Rich Western Australian Eucalyptus Essential Oils. <i>Microorganisms</i> , 2018, 6, 122.	1.6	33
29	Synthesis and antimicrobial activity of binaphthyl-based, functionalized oxazole and thiazole peptidomimetics. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10813-10824.	1.5	30
30	Tea tree oil gel for mild to moderate acne; a 12 week uncontrolled, open-label phase II pilot study. <i>Australasian Journal of Dermatology</i> , 2017, 58, 205-210.	0.4	30
31	Antimicrobial activity of natural products against <i>Clostridium difficile</i> in vitro. <i>Journal of Applied Microbiology</i> , 2017, 123, 92-103.	1.4	30
32	Binaphthyl-1,2,3-triazole peptidomimetics with activity against <i>Clostridium difficile</i> and other pathogenic bacteria. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5743-5756.	1.5	29
33	Sugar Profiling of Honeys for Authentication and Detection of Adulterants Using High-Performance Thin Layer Chromatography. <i>Molecules</i> , 2020, 25, 5289.	1.7	28
34	Chemical characteristics and antimicrobial effects of some Eucalyptus kinos. <i>Journal of Ethnopharmacology</i> , 2012, 144, 293-299.	2.0	27
35	Cationic biaryl 1,2,3-triazolyl peptidomimetic amphiphiles: synthesis, antibacterial evaluation and preliminary mechanism of action studies. <i>European Journal of Medicinal Chemistry</i> , 2019, 168, 386-404.	2.6	27
36	Frequencies of resistance to <i>Melaleuca alternifolia</i> (tea tree) oil and rifampicin in <i>Staphylococcus aureus</i> , <i>Staphylococcus epidermidis</i> and <i>Enterococcus faecalis</i> . <i>International Journal of Antimicrobial Agents</i> , 2008, 32, 170-173.	1.1	25

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37	Inspiration from Old Dyes: Tris(stilbene) Compounds as Potent Gram-Positive Antibacterial Agents. Chemistry - A European Journal, 2013, 19, 17980-17988.	1.7	23
38	Antimicrobial and anti-inflammatory activity of five <i>Taxandria fragrans</i> oils <i>in vitro</i> . Microbiology and Immunology, 2008, 52, 522-530.	0.7	22
39	Survey of the Antimicrobial Activity of Commercially Available Australian Tea Tree (<i>Melaleuca</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Medicine, 2011, 17, 835-841.	2.1	20
40	Cationic biaryl 1,2,3-triazolyl peptidomimetic amphiphiles targeting Clostridioides (<i>Clostridium</i>) difficile: Synthesis, antibacterial evaluation and an <i>in vivo</i> C. difficile infection model. European Journal of Medicinal Chemistry, 2019, 170, 203-224.	2.6	17
41	Antibacterial compounds from the Australian native plant <i>Eremophila glabra</i> . F- toterap- A, 2018, 126, 45-52.	1.1	16
42	Effect of natural products on the production and activity of <i>Clostridium difficile</i> toxins <i>in vitro</i> . Scientific Reports, 2018, 8, 15735.	1.6	16
43	A validated method for the quantitative determination of sugars in honey using high-performance thin-layer chromatography. Journal of Planar Chromatography - Modern TLC, 2020, 33, 489-499.	0.6	16
44	<i>In vitro</i> susceptibility of <i>Malassezia furfur</i> to the essential oil of <i>Melaleuca alternifolia</i> . Medical Mycology, 1997, 35, 375-377.	0.3	14
45	Non-conventional antimicrobial and alternative therapies for the treatment of <i>Clostridium difficile</i> infection. Anaerobe, 2018, 49, 103-111.	1.0	14
46	Natural products show diverse mechanisms of action against <i>Clostridium difficile</i> . Journal of Applied Microbiology, 2019, 126, 468-479.	1.4	14
47	Development and validation of a new microplate assay that utilises optical density to quantify the antibacterial activity of honeys including Jarrah, Marri and Manuka. PLoS ONE, 2020, 15, e0243246.	1.1	13
48	Spectrum of antibacterial activity and mode of action of a novel tris-stilbene bacteriostatic compound. Scientific Reports, 2018, 8, 6912.	1.6	12
49	Synthesis of Mono and Bis[60]fullerene-Based Dicationic Peptoids. European Journal of Organic Chemistry, 2015, 2015, 195-201.	1.2	10
50	An investigation of the suitability of melissopalynology to authenticate Jarrah honey. Current Research in Food Science, 2022, 5, 506-514.	2.7	9
51	Adaptation to NaCl Reduces the Susceptibility of <i>Enterococcus faecalis</i> to <i>Melaleuca alternifolia</i> (Tea) Tj ETQq1 1 0,784314 rgBT /Overlock	1.0	9
52	Development of an HPTLC-based dynamic reference standard for the analysis of complex natural products using Jarrah honey as test sample. PLoS ONE, 2021, 16, e0254857.	1.1	8
53	Honeys derived from plants of the coastal sandplains of Western Australia: antibacterial and antioxidant activity, and other characteristics. Journal of Apicultural Research, 2023, 62, 909-922.	0.7	8
54	Effects of natural products on several stages of the spore cycle of <i>Clostridium difficile</i> <i>in vitro</i> . Journal of Applied Microbiology, 2018, 125, 710-723.	1.4	6

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55	Cationic Peptidomimetic Amphiphiles Having a N-Aryl- or N-Naphthyl-1,2,3-Triazole Core Structure Targeting Clostridioides (Clostridium) difficile: Synthesis, Antibacterial Evaluation, and an In Vivo C. difficile Infection Model. <i>Antibiotics</i> , 2021, 10, 913.	1.5	5
56	Precipitate production by some <i>Malassezia</i> species on Dixon's agar. <i>Medical Mycology</i> , 2000, 38, 105-107.	0.3	3
57	Sporicidal activity of tea tree oil. <i>Healthcare Infection</i> , 2006, 11, 112-121.	0.1	2
58	Tea tree oil: a potential alternative for the management of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Healthcare Infection</i> , 2005, 10, 32-34.	0.1	1
59	Antimicrobial effects of <i>Melaleuca alternifolia</i> (tea tree) essential oil against biofilm-forming multidrug-resistant cystic fibrosis-associated <i>Pseudomonas aeruginosa</i> as a single agent and in combination with commonly nebulized antibiotics. <i>Letters in Applied Microbiology</i> , 2022, 75, 578-587.	1.0	1