

Franz Bucar

List of Publications by Citations

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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.

60
papers

1,846
citations

26
h-index

41
g-index

65
ext. papers

2,121
ext. citations

4.9
avg, IF

5
L-index

#	Paper	IF	Citations
60	Natural product isolation--how to get from biological material to pure compounds. <i>Natural Product Reports</i> , 2013 , 30, 525-45	15.1	232
59	Plant phenolic compounds as ethidium bromide efflux inhibitors in Mycobacterium smegmatis. <i>Journal of Antimicrobial Chemotherapy</i> , 2008 , 62, 345-8	5.1	113
58	Influence of altitudinal variation on the content of phenolic compounds in wild populations of <i>Calluna vulgaris</i> , <i>Sambucus nigra</i> , and <i>Vaccinium myrtillus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9080-6	5.7	100
57	Lipoxygenase inhibitors from natural plant sources. Part 1: Medicinal plants with inhibitory activity on arachidonate 5-lipoxygenase and 5-lipoxygenase[sol]cyclooxygenase. <i>Phytotherapy Research</i> , 2005 , 19, 81-102	6.7	98
56	Ostruthin: an antimycobacterial coumarin from the roots of <i>Peucedanum ostruthium</i> . <i>Planta Medica</i> , 2003 , 69, 369-71	3.1	67
55	Antibiotic resistance modulation and modes of action of (-)- β -pinene in <i>Campylobacter jejuni</i> . <i>PLoS ONE</i> , 2015 , 10, e0122871	3.7	63
54	Design, synthesis and antimycobacterial activities of 1-methyl-2-alkenyl-4(1H)-quinolones. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 567-79	3.4	55
53	Sesquiterpenes from <i>Warburgia ugandensis</i> and their antimycobacterial activity. <i>Phytochemistry</i> , 2005 , 66, 2309-15	4	50
52	Lipoxygenase inhibitors from natural plant sources. Part 2: medicinal plants with inhibitory activity on arachidonate 12-lipoxygenase, 15-lipoxygenase and leukotriene receptor antagonists. <i>Phytotherapy Research</i> , 2005 , 19, 263-72	6.7	50
51	Antimycobacterial polyacetylenes from <i>Levisticum officinale</i> . <i>Phytotherapy Research</i> , 2008 , 22, 681-4	6.7	46
50	Compounds of <i>Alpinia katsumadai</i> as potential efflux inhibitors in <i>Mycobacterium smegmatis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 2701-6	3.4	43
49	Putative mycobacterial efflux inhibitors from the seeds of <i>Aframomum melegueta</i> . <i>Journal of Natural Products</i> , 2012 , 75, 1393-9	4.9	43
48	Bioactive constituents of <i>Artemisia monosperma</i> . <i>Phytochemistry</i> , 2005 , 66, 233-9	4	43
47	Plant derived inhibitors of bacterial efflux pumps: an update. <i>Phytochemistry Reviews</i> , 2015 , 14, 961-974	7.7	39
46	Pumpkin seed extract: Cell growth inhibition of hyperplastic and cancer cells, independent of steroid hormone receptors. <i>Phytotherapy Research</i> , 2016 , 30, 150-6	3.2	38
45	Constituents of the stem bark of <i>Discopodium penninervium</i> and their LTB4 and COX-1 and -2 inhibitory activities. <i>Phytochemistry</i> , 2008 , 69, 982-7	4	38
44	The antimycobacterial components of hops (<i>Humulus lupulus</i>) and their dereplication. <i>Phytotherapy Research</i> , 2004 , 18, 774-6	6.7	38

43	Antimalarial compounds from Kniphofia foliosa roots. <i>Phytotherapy Research</i> , 2005 , 19, 472-6	6.7	37
42	Quinolone alkaloids from Evodia rutaecarpa: a potent new group of antimycobacterial compounds. <i>International Journal of Antimicrobial Agents</i> , 2005 , 26, 262-4	14.3	35
41	Efficient identification of flavones, flavanones and their glycosides in routine analysis via off-line combination of sensitive NMR and HPLC experiments. <i>Food Chemistry</i> , 2017 , 218, 600-609	8.5	33
40	Interaction of N-methyl-2-alkenyl-4-quinolones with ATP-dependent MurE ligase of Mycobacterium tuberculosis: antibacterial activity, molecular docking and inhibition kinetics. <i>Journal of Antimicrobial Chemotherapy</i> , 2011 , 66, 1766-72	5.1	33
39	Antiprotozoal activity of drimane and coloratane sesquiterpenes towards Trypanosoma brucei rhodesiense and Plasmodium falciparum in vitro. <i>Phytotherapy Research</i> , 2010 , 24, 1468-72	6.7	33
38	LC-PDA-ESI-MS analysis of phenolic and iridoid compounds from Globularia spp. <i>Journal of Mass Spectrometry</i> , 2016 , 51, 1211-1236	2.2	32
37	Attenuation of Adhesion, Biofilm Formation and Quorum Sensing of Campylobacter jejuni by Euodia ruticarpa. <i>Phytotherapy Research</i> , 2016 , 30, 1527-32	6.7	32
36	Modulation of isoniazid susceptibility by flavonoids in Mycobacterium. <i>Phytochemistry Letters</i> , 2008 , 1, 71-75	1.9	31
35	Investigation of the volatile fraction of rosemary infusion extracts. <i>Scientia Pharmaceutica</i> , 2010 , 78, 483-92	4.3	26
34	Knipholone, a selective inhibitor of leukotriene metabolism. <i>Phytomedicine</i> , 2006 , 13, 452-6	6.5	26
33	Flavonoids as Novel Efflux Pump Inhibitors and Antimicrobials Against Both Environmental and Pathogenic Intracellular Mycobacterial Species. <i>Molecules</i> , 2020 , 25,	4.8	24
32	Anti-adhesion activity of thyme (Thymus vulgaris L.) extract, thyme post-distillation waste, and olive (Olea europea L.) leaf extract against Campylobacter jejuni on polystyrene and intestine epithelial cells. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 2723-30	4.3	24
31	Guaianolides and volatile compounds in chamomile tea. <i>Plant Foods for Human Nutrition</i> , 2012 , 67, 129-35	5.9	24
30	Content of phenolic compounds in wild populations of Epilobium angustifolium growing at different altitudes. <i>Pharmaceutical Biology</i> , 2015 , 53, 1576-82	3.8	20
29	Anti-adhesion activity of phytochemicals to prevent Campylobacter jejuni biofilm formation on abiotic surfaces. <i>Phytochemistry Reviews</i> , 2021 , 20, 55-84	7.7	20
28	Synthesis of N-substituted 2-[(1E)-alkenyl]-4-(1H)-quinolone derivatives as antimycobacterial agents against non-tubercular mycobacteria. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 2091-101	6.8	18
27	Inhibitory activity of Juniperus communis on 12(S)-HETE production in human platelets. <i>Planta Medica</i> , 2004 , 70, 471-4	3.1	18
26	Targeting fish spoilers Pseudomonas and Shewanella with oregano and nettle extracts. <i>International Journal of Food Microbiology</i> , 2020 , 328, 108664	5.8	15

25	Qualitative and Quantitative Analysis of Different <i>Rhodiola rosea</i> Rhizome Extracts by UHPLC-DAD-ESI-MSn. <i>Scientia Pharmaceutica</i> , 2019 , 87, 8	4.3	14
24	<i>Alpinia katsumadai</i> Extracts Inhibit Adhesion and Invasion of <i>Campylobacter jejuni</i> in Animal and Human Foetal Small Intestine Cell Lines. <i>Phytotherapy Research</i> , 2015 , 29, 1585-9	6.7	14
23	Influence of saponin plants on the volatile fraction of thyme in herbal teas. <i>Floterap</i> , 2011 , 82, 903-10	3.2	14
22	Synthesis and antibacterial evaluation of a new series of N-Alkyl-2-alkynyl/(E)-alkenyl-4-(1H)-quinolones. <i>Molecules</i> , 2012 , 17, 8217-40	4.8	14
21	In vitro 12(S)-HETE inhibitory activities of naphthoquinones isolated from the root bark of <i>Euclea racemosa</i> ssp. <i>schimperii</i> . <i>Journal of Ethnopharmacology</i> , 2005 , 102, 191-6	5	14
20	1,2-substituted 4-(1H)-quinolones: synthesis, antimalarial and antitrypanosomal activities in vitro. <i>Molecules</i> , 2014 , 19, 14204-20	4.8	12
19	Volatile fraction of lavender and bitter fennel infusion extracts. <i>Natural Product Communications</i> , 2010 , 5, 1431-6	0.9	12
18	Reduction of microbiological risk in minced meat by a combination of natural antimicrobials. <i>Journal of the Science of Food and Agriculture</i> , 2014 , 94, 2758-65	4.3	11
17	Resistance modulatory and efflux-inhibitory activities of capsaicinoids and capsinoids. <i>Bioorganic Chemistry</i> , 2019 , 82, 378-384	5.1	11
16	Metabolic profiling of rhizomes of native populations of the strictly endemic Croatian species <i>Iris adriatica</i> . <i>Plant Biosystems</i> , 2019 , 153, 317-324	1.6	11
15	Aqueous Extracts of Wild Mushrooms Show Antimicrobial and Antiadhesion Activities against Bacteria and Fungi. <i>Phytotherapy Research</i> , 2017 , 31, 1971-1976	6.7	10
14	Antiadhesion activity of juniper (<i>Juniperus communis</i> L.) preparations against <i>Campylobacter jejuni</i> evaluated with PCR-based methods. <i>Phytotherapy Research</i> , 2018 , 32, 542-550	6.7	10
13	In vitro 12(S)-HETE and leukotriene metabolism inhibitory activity of sesquiterpenes of <i>Warburgia ugandensis</i> . <i>Planta Medica</i> , 2006 , 72, 754-6	3.1	9
12	A new tetracyclic saponin from L. and its neuroprotective and hMAO-B inhibiting activity. <i>Natural Product Research</i> , 2020 , 34, 511-517	2.3	9
11	The volatile fraction of herbal teas. <i>Phytochemistry Reviews</i> , 2012 , 11, 245-254	7.7	8
10	In Vitro Effect of the Common Culinary Herb Winter Savory () against the Infamous Food Pathogen. <i>Foods</i> , 2020 , 9,	4.9	7
9	Quantum Chemical Studies on Structure Activity Relationship of Natural Product Polyacetylenes. <i>Theoretical Chemistry Accounts</i> , 2007 , 117, 247-252	1.9	7
8	Phenolic compounds of <i>Iris adriatica</i> and their antimycobacterial effects. <i>Acta Pharmaceutica</i> , 2019 , 69, 673-681	3.2	4

7	Antimicrobial and Efflux Pump Inhibitory Activity of Carvotacetones from Against Mycobacteria. <i>Antibiotics</i> , 2020 , 9,	4.9	3
6	Efflux Pump Inhibition and Resistance Modulation in by and Its Coumarins. <i>Antibiotics</i> , 2021 , 10,	4.9	3
5	Flavonoids as Inhibitors of Bacterial Efflux Pumps. <i>Molecules</i> , 2021 , 26,	4.8	2
4	Palladium-catalysed synthesis of aryl naphthoquinones as antiprotozoal and antimycobacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2020 , 207, 112837	6.8	2
3	Antimicrobial Natural Products Against Campylobacter. <i>Sustainable Development and Biodiversity</i> , 2018 , 3-30	2.1	1
2	Antibiofilm Potential of Preparations against Campylobacter jejuni. <i>Applied and Environmental Microbiology</i> , 2021 , 87, e0109921	4.8	1
1	Globularia alypum L. and Related Species: LC-MS Profiles and Antidiabetic, Antioxidant, Anti-Inflammatory, Antibacterial and Anticancer Potential. <i>Pharmaceuticals</i> , 2022 , 15, 506	5.2	0