PÃ¤ivi Tammela

List of Publications by Year
in descending order

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Version: 2024-02-01

104 papers	3,385 citations	147566 31 h-index	161609 54 g-index
109 all docs	109 docs citations	109 times ranked	5470 citing authors

#	Article	IF	Citations
1	Natural Products in the Process of Finding New Drug Candidates. Current Medicinal Chemistry, 2004, 11, 1375-1389.	1.2	256
2	Inhibitors of Alphavirus Entry and Replication Identified with a Stable Chikungunya Replicon Cell Line and Virus-Based Assays. PLoS ONE, 2011, 6, e28923.	1.1	219
3	Nanofibrillar cellulose wound dressing in skin graft donor site treatment. Journal of Controlled Release, 2016, 244, 292-301.	4.8	184
4	Exploring Marine Resources for Bioactive Compounds. Planta Medica, 2014, 80, 1234-1246.	0.7	159
5	Effect of pmt gene overexpression on tropane alkaloid production in transformed root cultures of Datura metel and Hyoscyamus muticus. Journal of Experimental Botany, 2003, 54, 203-211.	2.4	128
6	Permeability characteristics and membrane affinity of flavonoids and alkyl gallates in Caco-2 cells and in phospholipid vesicles. Archives of Biochemistry and Biophysics, 2004, 425, 193-199.	1.4	115
7	Antidepressant Drugs Transactivate TrkB Neurotrophin Receptors in the Adult Rodent Brain Independently of BDNF and Monoamine Transporter Blockade. PLoS ONE, 2011, 6, e20567.	1.1	110
8	Discovery of Benzothiazole Scaffold-Based DNA Gyrase B Inhibitors. Journal of Medicinal Chemistry, 2016, 59, 8941-8954.	2.9	99
9	In vitro assay for human toxicity of cereulide, the emetic mitochondrial toxin produced by food poisoning Bacillus cereus. Toxicology in Vitro, 2003, 17, 737-744.	1.1	94
10	Betulin-Derived Compounds as Inhibitors of Alphavirus Replication. Journal of Natural Products, 2009, 72, 1917-1926.	1.5	94
11	Defining conditions for biofilm inhibition and eradication assays for Gram-positive clinical reference strains. BMC Microbiology, 2018, 18, 173.	1.3	93
12	Discovery of 4,5,6,7-Tetrahydrobenzo[1,2-d]thiazoles as Novel DNA Gyrase Inhibitors Targeting the ATP-Binding Site. Journal of Medicinal Chemistry, 2015, 58, 5501-5521.	2.9	92
13	Aggregating Behavior of Phenolic Compounds â€" A Source of False Bioassay Results?. Molecules, 2012, 17, 10774-10790.	1.7	87
14	Inhibitory effect of dietary phenolic compounds on Chlamydia pneumoniae in cell cultures. Biochemical Pharmacology, 2006, 71, 735-741.	2.0	70
15	Assessing the data quality in predictive toxicology using a panel of cell lines and cytotoxicity assays. Analytical Biochemistry, 2007, 362, 221-228.	1.1	59
16	Screening and Characterisation of Antimicrobial Properties of Semisynthetic Betulin Derivatives. PLoS ONE, 2014, 9, e102696.	1.1	55
17	N-Phenyl-4,5-dibromopyrrolamides and N-Phenylindolamides as ATP Competitive DNA Gyrase B Inhibitors: Design, Synthesis, and Evaluation. Journal of Medicinal Chemistry, 2015, 58, 6179-6194.	2.9	49
18	Marine Microalgae: Promising Source for New Bioactive Compounds. Marine Drugs, 2018, 16, 317.	2.2	49

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19	Antimicrobial Activity of the Marine Alkaloids, Clathrodin and Oroidin, and Their Synthetic Analogues. Marine Drugs, 2014, 12, 940-963.	2.2	48
20	Antibacterial profiling of abietane-type diterpenoids. Bioorganic and Medicinal Chemistry, 2017, 25, 132-137.	1.4	48
21	Screening bioactivity and bioactive constituents of Nordic unifloral honeys. Food Chemistry, 2017, 237, 214-224.	4.2	47
22	Baltic cyanobacteria â€“ a source of biologically active compounds. European Journal of Phycology, 2015, 50, 343-360.	0.9	43
23	Discovery of substituted oxadiazoles as a novel scaffold for DNA gyrase inhibitors. European Journal of Medicinal Chemistry, 2017, 130, 171-184.	2.6	43
24	Inhibition of Breast Cancer Resistance Protein and Multidrug Resistance Associated Protein 2 by Natural Compounds and Their Derivatives. Molecular Pharmaceutics, 2017, 14, 135-146.	2.3	40
25	Synthesis and Evaluation of Nâ€Phenylpyrrolamides as DNA Gyraseâ€…B Inhibitors. ChemMedChem, 2018, 13, 186-198.	1.6	40
26	Effects of simple aromatic compounds and flavonoids on Ca2+ fluxes in rat pituitary GH4C1 cells. European Journal of Pharmacology, 2001, 414, 125-133.	1.7	37
27	Design, synthesis and biological evaluation of 4,5-dibromo-N-(thiazol-2-yl)-1H-pyrrole-2-carboxamide derivatives as novel DNA gyrase inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 338-349.	1.4	37
28	Î³-Aminobutyric Acid Type A (GABAA) Receptor Activation Modulates Tau Phosphorylation. Journal of Biological Chemistry, 2012, 287, 6743-6752.	1.6	36
29	An optimised series of substituted N-phenylpyrrolamides as DNA gyrase B inhibitors. European Journal of Medicinal Chemistry, 2019, 167, 269-290.	2.6	36
30	Similarity Based Virtual Screening:Â A Tool for Targeted Library Design. Journal of Medicinal Chemistry, 2006, 49, 2353-2356.	2.9	35
31	New N -phenylpyrrolamide DNA gyrase B inhibitors: Optimization of efficacy and antibacterial activity. European Journal of Medicinal Chemistry, 2018, 154, 117-132.	2.6	35
32	Bioactive Cembrane Derivatives from the Indian Ocean Soft Coral, Sinularia kavarattiensis. Marine Drugs, 2014, 12, 4045-4068.	2.2	33
33	New N -phenyl-4,5-dibromopyrrolamides and N -Phenylindolamides as ATPase inhibitors of DNA gyrase. European Journal of Medicinal Chemistry, 2016, 117, 197-211.	2.6	29
34	HPLC micro-fractionation coupled to a cell-based assay for automated on-line primary screening of calcium antagonistic components in plant extracts. Analytical and Bioanalytical Chemistry, 2004, 380, 614-618.	1.9	28
35	Large-scale bioprospecting of cyanobacteria, micro- and macroalgae from the Aegean Sea. New Biotechnology, 2016, 33, 399-406.	2.4	28
36	Effects of Extracts of Commonly Consumed Food Supplements and Food Fractions on the Permeability of Drugs Across Caco-2 Cell Monolayers. Pharmaceutical Research, 2004, 21, 1904-1916.	1.7	27

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37	Screening of natural compounds and their derivatives as potential protein kinase C inhibitors. Drug Development Research, 2004, 63, 76-87.	1.4	26
38	Antimicrobial Colloidal Silverâ€“Lignin Particles via Ion and Solvent Exchange. ACS Sustainable Chemistry and Engineering, 2019, 7, 15297-15303.	3.2	24
39	Î±-Amino Diphenyl Phosphonates as Novel Inhibitors of Escherichia coli ClpP Protease. Journal of Medicinal Chemistry, 2019, 62, 774-797.	2.9	23
40	Ent-kauren-19-oic acid derivatives from the stem bark of Croton pseudopulchellus Pax. Phytochemistry Letters, 2012, 5, 414-418.	0.6	22
41	Tocopherols, tocotrienols and fatty acids as indicators of natural ageing inPinus sylvestrisseeds. Scandinavian Journal of Forest Research, 2005, 20, 378-384.	0.5	21
42	DPD-Inspired Discovery of Novel LsrK Kinase Inhibitors: An Opportunity To Fight Antimicrobial Resistance. Journal of Medicinal Chemistry, 2019, 62, 2720-2737.	2.9	21
43	Volatile Compound analysis of ageingPinus sylvestris L. (Scots pine) seeds. Flavour and Fragrance Journal, 2003, 18, 290-295.	1.2	19
44	Effects of the aqueous extract of Bryothamnion triquetrum on chemical hypoxia and aglycemia-induced damage in GT1-7 mouse hypothalamic immortalized cells. Phytomedicine, 2006, 13, 240-245.	2.3	19
45	Exploring the Chemical Space of Benzothiazole-Based DNA Gyrase B Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 2433-2440.	1.3	18
46	Development and validation of a time-resolved fluorometric immunoassay for screening of antichlamydial activity using a genus-specific europium-conjugated antibody. Analytical Biochemistry, 2004, 333, 39-48.	1.1	17
47	Utilization of in situ ELISA method for examining Trk receptor phosphorylation in cultured cells. Journal of Neuroscience Methods, 2014, 222, 142-146.	1.3	17
48	A Versatile Strategy for the Synthesis of 4,5-Dihydroxy-2,3-Pentanedione (DPD) and Related Compounds as Potential Modulators of Bacterial Quorum Sensing. Molecules, 2018, 23, 2545.	1.7	17
49	Composition and Antibacterial Effect of Mint Flavorings in Candies and Food Supplements. Planta Medica, 2020, 86, 1089-1096.	0.7	17
50	Inhibition of Nonessential Bacterial Targets: Discovery of a Novel Serine O-Acetyltransferase Inhibitor. ACS Medicinal Chemistry Letters, 2020, 11, 790-797.	1.3	17
51	Synthesis and biological evaluation of crown ether acyl derivatives. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5591-5593.	1.0	16
52	Anti-influenza virus activity of benzo[d]thiazoles that target heat shock protein 90. Bioorganic Chemistry, 2020, 98, 103733.	2.0	16
53	Exploring the structureâ€“activity relationships of ABCC2 modulators using a screening approach. Bioorganic and Medicinal Chemistry, 2015, 23, 3513-3525.	1.4	15
54	Design, synthesis, and biological evaluation of 1â€ethylâ€3â€(thiazolâ€2â€yl)urea derivatives as Escherichia coli DNA gyrase inhibitors. Archiv Der Pharmazie, 2018, 351, 1700333.	2.1	15

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55	New dual ATP-competitive inhibitors of bacterial DNA gyrase and topoisomerase IV active against ESKAPE pathogens. European Journal of Medicinal Chemistry, 2021, 213, 113200.	2.6	15
56	Microplate screening assay to identify inhibitors of human catechol-O-methyltransferase. Analytical Biochemistry, 2004, 331, 198-200.	1.1	15
57	Synthesis and Biological Evaluation of 2â€Aminobenzothiazole and Benzimidazole Analogs Based on the Clathrodin Structure. Archiv Der Pharmazie, 2016, 349, 137-149.	2.1	14
58	In-vitro mutagenic potential and effect on permeability of co-administered drugs across Caco-2 cell monolayers of Rubus idaeus and its fortified fractionsâ€. Journal of Pharmacy and Pharmacology, 2010, 58, 1545-1552.	1.2	13
59	Synthesis and biological evaluation of 2-arylbenzimidazoles targeting Leishmania donovani. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1933-1937.	1.0	13
60	Pumilol, a Diterpenoid with a Rare Strobane Skeleton from Pinus pumila (Pinaceae). Chemistry and Biodiversity, 2018, 15, e1800056.	1.0	13
61	New N-phenyl-4,5-dibromopyrrolamides as DNA gyrase B inhibitors. MedChemComm, 2019, 10, 1007-1017.	3.5	13
62	Design, synthesis and biological evaluation of novel DNA gyrase inhibitors and their siderophore mimic conjugates. Bioorganic Chemistry, 2020, 95, 103550.	2.0	13
63	Installation of an aryl boronic acid function into the external section of -aryl-oxazolidinones: Synthesis and antimicrobial evaluation. European Journal of Medicinal Chemistry, 2021, 211, 113002.	2.6	13
64	Propagation of Angelica archangelica Plants in an Air-Sparged Bioreactor from a Novel Embryogenic Cell Line, and their Production of Coumarins. Biologia Plantarum, 2003, 46, 343-347.	1.9	12
65	Antimicrobial assay optimization and validation for HTS in 384-well format using a bioluminescent E. coli K-12 strain. European Journal of Pharmaceutical Sciences, 2013, 49, 782-789.	1.9	12
66	Structureâ€Based Virtual Screening of LsrK Kinase Inhibitors to Target Quorum Sensing. ChemMedChem, 2018, 13, 2400-2407.	1.6	12
67	Targeting Quorum Sensing: High-Throughput Screening to Identify Novel LsrK Inhibitors. International Journal of Molecular Sciences, 2019, 20, 3112.	1.8	12
68	A rapid screening method for detecting active compounds against erythromycin-resistant bacterial strains of Finnish origin. Folia Microbiologica, 2005, 50, 487-493.	1.1	10
69	Comparison of transgenic Gerbera hybrida lines and traditional varieties shows no differences in cytotoxicity or metabolic fingerprints. Transgenic Research, 2008, 17, 793-803.	1.3	10
70	Acetate-Derived Metabolites from the Brown Alga Lobophora variegata. Journal of Natural Products, 2015, 78, 1716-1722.	1.5	9
71	Marine alkaloid oroidin analogues with antiviral potential: A novel class of synthetic compounds targeting the cellular chaperone Hsp90. Chemical Biology and Drug Design, 2017, 90, 1147-1154.	1.5	9
72	Second-generation 4,5,6,7-tetrahydrobenzo[d]thiazoles as novel DNA gyrase inhibitors. Future Medicinal Chemistry, 2020, 12, 277-297.	1.1	9

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73	Evaluation and validation of Biolog OmniLog ^{Â®} system for antibacterial activity assays. Letters in Applied Microbiology, 2021, 72, 589-595.	1.0	9
74	Cell-based bioreporter assay coupled to HPLC micro-fractionation in the evaluation of antimicrobial properties of the basidiomycete fungusPycnoporus cinnabarinus. Pharmaceutical Biology, 2016, 54, 1108-1115.	1.3	8
75	Design, Synthesis, and Evaluation of Novel Tyrosineâ€Based DNA Gyrase B Inhibitors. Archiv Der Pharmazie, 2017, 350, 1700087.	2.1	8
76	Effect of Hybrid Type and Harvesting Season on Phytochemistry and Antibacterial Activity of Extracted Metabolites from Salix Bark. Journal of Agricultural and Food Chemistry, 2022, 70, 2948-2956.	2.4	8
77	Aging in Pinus sylvestris L. seeds: changes in viability and lipids. Biochemical Society Transactions, 2000, 28, 878-879.	1.6	7
78	Analyzing user-generated online content for drug discovery: development and use of MedCrawler. Bioinformatics, 2017, 33, 1205-1209.	1.8	7
79	Synthesis and Antiproliferative Activity of Marine Bromotyrosine Purpurealidin I and Its Derivatives. Marine Drugs, 2018, 16, 481.	2.2	7
80	Inhibition of Hepatitis C Replication by Targeting the Molecular Chaperone Hsp90: Synthesis and Biological Evaluation of 4,5,6,7â€Tetrahydrobenzo[1,2â€•d]thiazole Derivatives. ChemMedChem, 2019, 14, 334-342.	1.6	7
81	Fabrication of concave micromirrors for single cell imaging via controlled over-exposure of organically modified ceramics in single step lithography. Biomicrofluidics, 2017, 11, 034118.	1.2	6
82	Miniaturized whole-cell bacterial bioreporter assay for identification of quorum sensing interfering compounds. Journal of Microbiological Methods, 2018, 154, 40-45.	0.7	6
83	A New Cellâ€Based Alâ€2â€Mediated Quorum Sensing Interference Assay in Screening of LsrKâ€Targeted Inhibitors. ChemBioChem, 2020, 21, 1918-1922.	1.3	6
84	Identification and Characterization of Approved Drugs and Drug-Like Compounds as Covalent Escherichia coli ClpP Inhibitors. International Journal of Molecular Sciences, 2019, 20, 2686.	1.8	5
85	2-Aminopyridine Analogs Inhibit Both Enzymes of the Glyoxylate Shunt in Pseudomonas aeruginosa. International Journal of Molecular Sciences, 2020, 21, 2490.	1.8	5
86	Discovery of Substituted (2-Aminooxazol-4-yl)Isoxazole-3-carboxylic Acids as Inhibitors of Bacterial Serine Acetyltransferase in the Quest for Novel Potential Antibacterial Adjuvants. Pharmaceuticals, 2021, 14, 174.	1.7	5
87	Miniaturisation and validation of a cell-based assay for screening of Ca2+ channel modulators. Journal of Proteomics, 2004, 59, 229-239.	2.4	4
88	Synthesis and Cytotoxicity Evaluation of Spirocyclic Bromotyrosine Clavatadine C Analogs. Marine Drugs, 2021, 19, 400.	2.2	4
89	Bioluminescent whole-cell reporter gene assays as screening tools in the identification of antimicrobial natural product extracts. Journal of Microbiological Methods, 2015, 114, 54-56.	0.7	3
90	Compounding Parenteral Products in Pediatric Wardsâ€"Effect of Environment and Aseptic Technique on Product Sterility. Healthcare (Switzerland), 2021, 9, 1025.	1.0	3

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91	Hydrophobic derivatives of 5â€(hydroxymethyl)isophthalic acid that selectively induce apoptosis in leukemia cells but not in fibroblasts. Drug Development Research, 2008, 69, 185-195.	1.4	2
92	Integrated In Vitroâ€“In Silico Screening Strategy for the Discovery of Antibacterial Compounds. Assay and Drug Development Technologies, 2015, 13, 25-33.	0.6	2
93	Discovering Protein Kinase C Active Plants Growing in Finland Utilizing Automated Bioassay Combined to LC/MS. Natural Product Communications, 2009, 4, 1934578X0900400.	0.2	1
94	Development and validation of a high-content screening assay for inhibitors of enteropathogenic E. coli adhesion. Journal of Microbiological Methods, 2021, 184, 106201.	0.7	1
95	Aging in Pinus sylvestris L. seeds: changes in viability and lipids. Biochemical Society Transactions, 2000, 28, 878-9.	1.6	1
96	Development of the CELLOP optimisation model for plant cell cultivation. Biologia Plantarum, 2007, 51, 27-33.	1.9	0
97	Screening_mgmt. Journal of the Association for Laboratory Automation, 2015, 20, 56-59.	2.8	0
98	Inhibition potential of natural based products against Chlamydia pneumoniae infection. Planta Medica, 2006, 72, .	0.7	0
99	Safety Assessment and Metabolic Fingerprinting of GMO Gerberas. Planta Medica, 2006, 72, .	0.7	0
100	MAREX: Exploring marine natural products for novel bioactive compounds. Planta Medica, 2012, 78, .	0.7	0
101	Antimicrobial screening of natural product extracts using a bioluminescent assay. Planta Medica, 2012, 78, .	0.7	0
102	Antimicrobial and cytotoxic properties of semisynthetic betulin derivatives. Planta Medica, 2013, 79, .	0.7	0
103	Development of a rapid antimicrobial screening method for natural products using genetic programming. Planta Medica, 2014, 80, .	0.7	0
104	Bacterial identification through machine learning. Planta Medica, 2016, 81, S1-S381.	0.7	0