

# Jari Yli-Kauhaluoma

## List of Publications by Year in descending order

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49  
papers

1,304  
citations

567281

15  
h-index

361022

35  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacological properties of the ubiquitous natural product betulin. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 29, 1-13.	4.0	555
2	Synthesis and anti-leishmanial activity of heterocyclic betulin derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1573-1582.	3.0	59
3	Natural Stilbenoids Have Anti-Inflammatory Properties <i>in Vivo</i> and Down-Regulate the Production of Inflammatory Mediators NO, IL6, and MCP1 Possibly in a PI3K/Akt-Dependent Manner. <i>Journal of Natural Products</i> , 2018, 81, 1131-1142.	3.0	57
4	Tissue-specific study across the stem reveals the chemistry and transcriptome dynamics of birch bark. <i>New Phytologist</i> , 2019, 222, 1816-1831.	7.3	56
5	Recent advances in 1,3-dipolar cycloaddition reactions on solid supports. <i>Molecular Diversity</i> , 2005, 9, 187-207.	3.9	52
6	Chemical analysis using 3D printed glass microfluidics. <i>Analytical Methods</i> , 2019, 11, 1802-1810.	2.7	48
7	Imitation of $\beta$ -lactam binding enables broad-spectrum metallo- $\beta$ -lactamase inhibitors. <i>Nature Chemistry</i> , 2022, 14, 15-24.	13.6	39
8	Biosynthesis of the Bis-Prenylated Alkaloids Muscoride A and B. <i>ACS Chemical Biology</i> , 2019, 14, 2683-2690.	3.4	32
9	Structural Isosteres of Phosphate Groups in the Protein Data Bank. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 499-516.	5.4	23
10	Microwave-assisted synthesis of imidazoles: Reaction of p-toluenesulfonylmethyl isocyanide and polymer-bound imines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3717-3719.	2.2	21
11	Design, Synthesis, and Biological Activity of Urea Derivatives as Anaplastic Lymphoma Kinase Inhibitors. <i>ChemMedChem</i> , 2011, 6, 1680-1692.	3.2	18
12	Synthesis, Identification, and Structure-Activity Relationship Analysis of GATA4 and NKX2-5 Protein-Protein Interaction Modulators. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8284-8310.	6.4	18
13	Ketamine-induced regulation of TrkB-GSK3 $\beta$ signaling is accompanied by slow EEG oscillations and sedation but is independent of hydroxynorketamine metabolites. <i>Neuropharmacology</i> , 2019, 157, 107684.	4.1	18
14	Screening of FDA-Approved Drugs Using a 384-Well Plate-Based Biofilm Platform: The Case of Fingolimod. <i>Microorganisms</i> , 2020, 8, 1834.	3.6	17
15	Computationally prioritized drugs inhibit SARS-CoV-2 infection and syncytia formation. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	17
16	Asymmetry in catalysis by <i>Thermotoga maritima</i> membrane-bound pyrophosphatase demonstrated by a nonphosphorus allosteric inhibitor. <i>Science Advances</i> , 2019, 5, eaav7574.	10.3	16
17	Optimization of a High-Throughput 384-Well Plate-Based Screening Platform with <i>Staphylococcus aureus</i> ATCC 25923 and <i>Pseudomonas aeruginosa</i> ATCC 15442 Biofilms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3034.	4.1	16
18	Synthesis and Characterization of Hydroxylated Mesocarb Metabolites for Doping Control. <i>Archiv Der Pharmazie</i> , 2009, 342, 201-209.	4.1	15

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19	Dehydroabietic oximes halt pancreatic cancer cell growth in the G1 phase through induction of p27 and downregulation of cyclin D1. <i>Scientific Reports</i> , 2018, 8, 15923.	3.3	15
20	Microwave-assisted synthesis of pyridylpyrroles from N-acylated amino acids. <i>Tetrahedron</i> , 2009, 65, 9702-9706.	1.9	14
21	Non-leaching, Highly Biocompatible Nanocellulose Surfaces That Efficiently Resist Fouling by Bacteria in an Artificial Dermis Model. <i>ACS Applied Bio Materials</i> , 2020, 3, 4095-4108.	4.6	12
22	Synthesis and evaluation of library of betulin derivatives against the botulinum neurotoxin A protease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 2229-2231.	2.2	11
23	Pyrazine-Fused Triterpenoids Block the TRPA1 Ion Channel <i>in Vitro</i> and Inhibit TRPA1-Mediated Acute Inflammation <i>in Vivo</i> . <i>ACS Chemical Neuroscience</i> , 2019, 10, 2848-2857.	3.5	9
24	Structure-Activity Relationships of Benzoylazulenes at the OX 1 and OX 2 Orexin Receptors. <i>ChemMedChem</i> , 2019, 14, 965-981.	3.2	9
25	Combined Effect of Naturally-Derived Biofilm Inhibitors and Differentiated HL-60 Cells in the Prevention of <i>Staphylococcus aureus</i> Biofilm Formation. <i>Microorganisms</i> , 2020, 8, 1757.	3.6	9
26	Identification of Novel HBV/HDV Entry Inhibitors by Pharmacophore- and QSAR-Guided Virtual Screening. <i>Viruses</i> , 2021, 13, 1489.	3.3	9
27	Computational methods for analysis of an unsaturated carbocycle: heptafulvene. <i>Theoretical Chemistry Accounts</i> , 2010, 126, 55-73.	1.4	8
28	Nucleophilic Substitution of Hydrogen Facilitated by Quinone Methide Moieties in Benzo[ <i>a</i> ]azulen-3-ones. <i>Organic Letters</i> , 2017, 19, 2030-2033.	4.6	8
29	Dehydroabietylamine-Based Cellulose Nanofibril Films: A New Class of Sustainable Biomaterials for Highly Efficient, Broad-Spectrum Antimicrobial Effects. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5002-5009.	6.7	8
30	Enantioselective hyperporous molecularly imprinted thin film polymers. <i>RSC Advances</i> , 2019, 9, 33653-33656.	3.6	8
31	Missing Selectivity of Targeted 4 <sup>th</sup> -Phorbol Prodrugs Expected to be Potential Chemotherapeutics. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 671-677.	2.8	8
32	A modification of the Hammett equation for predicting ionisation constants of p-vinyl phenols. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 25, 417-425.	4.0	7
33	The <i>Sonogashira</i> Coupling of Polymer-Supported Propargylamine with Aryl Iodides. <i>Helvetica Chimica Acta</i> , 2010, 93, 39-47.	1.6	7
34	Stereoselective synthesis of (3-aminodecahydro-1,4-methanonaphthalen-2-yl)methanols targeted to the C1 domain of protein kinase C. <i>Tetrahedron</i> , 2011, 67, 8665-8670.	1.9	7
35	Synthesis of 1,3,6-trisubstituted Azulenes Based on the Acyloxiazulene Scaffold. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5539-5544.	2.4	7
36	Discovery of 12-Thiazole Abietanes as Selective Inhibitors of the Human Metabolic Serine Hydrolase hABHD16A. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1269-1273.	2.8	7

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37	Catalytic, Tunable, One-Step Bismuth(III) Triflate Reaction with Alcohols: Dehydration Versus Dimerization. <i>ACS Omega</i> , 2018, 3, 8836-8842.	3.5	7
38	Strategies to Prevent Biofilm Infections on Biomaterials: Effect of Novel Naturally-Derived Biofilm Inhibitors on a Competitive Colonization Model of Titanium by <i>Staphylococcus aureus</i> and SaOS-2 Cells. <i>Microorganisms</i> , 2020, 8, 345.	3.6	7
39	Discovery of Membrane-Bound Pyrophosphatase Inhibitors Derived from an Isoxazole Fragment. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 605-610.	2.8	7
40	Potent Inhibitors of the Human UDP-Glucuronosyltransferaseâ€¦2B7 Derived from the Sesquiterpenoid Alcohol Longifolol. <i>ChemMedChem</i> , 2007, 2, 881-889.	3.2	6
41	Mitoxantrone, pixantrone and mitoxantrone (2-hydroxyethyl)piperazine are toll-like receptor 4 antagonists, inhibit NF-Î³B activation, and decrease TNF-alpha secretion in primary microglia. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 154, 105493.	4.0	6
42	Rigorous Computational Study Reveals What Docking Overlooks: Double Trouble from Membrane Association in Protein Kinase C Modulators. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 5624-5633.	5.4	6
43	Synthesis and Biological Evaluation of Fingolimod Derivatives as Antibacterial Agents. <i>ACS Omega</i> , 2021, 6, 18465-18486.	3.5	5
44	Stereochemical and Steric Control of the UDPâ€¦Glucuronosyltransferaseâ€¦Catalyzed Conjugation Reaction: A Rational Approach for the Design of Inhibitors for the Human UGT2B7. <i>ChemMedChem</i> , 2007, 2, 1730-1740.	3.2	4
45	Leishmanicidal Activity of Betulin Derivatives in <i>Leishmania amazonensis</i> ; Effect on Plasma and Mitochondrial Membrane Potential, and Macrophage Nitric Oxide and Superoxide Production. <i>Microorganisms</i> , 2021, 9, 320.	3.6	4
46	Synthesis and Cytotoxicity Evaluation of Spirocyclic Bromotyrosine Clavadinone C Analogs. <i>Marine Drugs</i> , 2021, 19, 400.	4.6	4
47	Conformation study of 2-arylbenzimidazoles as inhibitors of <i>Chlamydia pneumoniae</i> growth. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4882-4886.	2.2	3
48	Exploration of Pyrazolo[1,5- <i>a</i> ]pyrimidines as Membraneâ€¦Bound Pyrophosphatase Inhibitors. <i>ChemMedChem</i> , 2021, 16, 3360-3367.	3.2	3
49	Mechanism of the Oxidation of Heptafulvenes to Tropones Studied by Online Mass Spectrometry and Density Functional Theory Calculations. <i>Journal of Organic Chemistry</i> , 2019, 84, 13975-13982.	3.2	2