

# Lari Lehti

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

2,970  
citations

185998

28  
h-index

189595

50  
g-index

94  
all docs

94  
docs citations

94  
times ranked

3563  
citing authors

#	ARTICLE	IF	CITATIONS
1	ADP-ribose transferases, an update on function and nomenclature. FEBS Journal, 2022, 289, 7399-7410.	2.2	150
2	Assay technologies facilitating drug discovery for ADP-ribose writers, readers and erasers. BioEssays, 2022, 44, e2100240.	1.2	8
3	Preparation of screening assays for ADP-ribose readers and erasers using the GAP-tag as a binding probe. STAR Protocols, 2022, 3, 101147.	0.5	5
4	The zinc-binding motif in tankyrases is required for the structural integrity of the catalytic ADP-ribose transferase domain. Open Biology, 2022, 12, 210365.	1.5	2
5	The Tankyrase Inhibitor OM-153 Demonstrates Antitumor Efficacy and a Therapeutic Window in Mouse Models. Cancer Research Communications, 2022, 2, 233-245.	0.7	6
6	Potent 2,3-dihydrophthalazine-1,4-dione derivatives as dual inhibitors for mono-ADP-ribose transferases PARP10 and PARP15. European Journal of Medicinal Chemistry, 2022, 237, 114362.	2.6	5
7	Design, synthesis and evaluation of inhibitors of the SARS-CoV-2 nsp3 macrodomain. Bioorganic and Medicinal Chemistry, 2022, 67, 116788.	1.4	11
8	Discovery of compounds that inhibit SARS-CoV-2 Mac1-ADP-ribose binding by high-throughput screening. Antiviral Research, 2022, 203, 105344.	1.9	20
9	Medicinal Chemistry Perspective on Targeting Mono-ADP-Ribosylating PARPs with Small Molecules. Journal of Medicinal Chemistry, 2022, 65, 7532-7560.	2.9	18
10	Activity-Based Screening Assay for Mono-ADP-Ribosylhydrolases. SLAS Discovery, 2021, 26, 67-76.	1.4	12
11	IceBear: an intuitive and versatile web application for research-data tracking from crystallization experiment to PDB deposition. Acta Crystallographica Section D: Structural Biology, 2021, 77, 151-163.	1.1	13
12	High-resolution Crystal Structure of Human pErp1, A Saposin-like Protein Involved in IgA, IgM and Integrin Maturation in the Endoplasmic Reticulum. Journal of Molecular Biology, 2021, 433, 166826.	2.0	9
13	Evaluation of 3- and 4-phenoxybenzamides as Selective Inhibitors of the Mono-ADP-ribose transferase PARP10. ChemistryOpen, 2021, 10, 939-948.	0.9	4
14	Activation of PARP2/ARTD2 by DNA damage induces conformational changes relieving enzyme autoinhibition. Nature Communications, 2021, 12, 3479.	5.8	28
15	The SARS-CoV-2 Nsp3 macrodomain reverses PARP9/DTX3L-dependent ADP-riboseylation induced by interferon signaling. Journal of Biological Chemistry, 2021, 297, 101041.	1.6	61
16	Macrodomain Binding Compound MRS 2578 Inhibits Alphavirus Replication. Antimicrobial Agents and Chemotherapy, 2021, 65, e0139821.	1.4	2
17	A molecular toolbox for ADP-ribose binding proteins. Cell Reports Methods, 2021, 1, 100121.	1.4	25
18	Analogues of TIQ-A as inhibitors of human mono-ADP-riboseylating PARPs. Bioorganic and Medicinal Chemistry, 2021, 52, 116511.	1.4	7

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19	Development of a 1,2,4-Triazole-Based Lead Tankyrase Inhibitor: Part II. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17936-17949.	2.9	14
20	Discovery of Compounds Inhibiting the ADP-Ribosyltransferase Activity of Pertussis Toxin. <i>ACS Infectious Diseases</i> , 2020, 6, 588-602.	1.8	25
21	A FRET-based high-throughput screening platform for the discovery of chemical probes targeting the scaffolding functions of human tankyrases. <i>Scientific Reports</i> , 2020, 10, 12357.	1.6	27
22	Derivatives of a PARP Inhibitor TIQ-A through the Synthesis of 8-Alkoxythieno[2,3-c]isoquinolin-5(4H)-ones. <i>ACS Omega</i> , 2020, 5, 13447-13453.	1.6	3
23	Preclinical Lead Optimization of a 1,2,4-Triazole Based Tankyrase Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6834-6846.	2.9	25
24	FMN-dependent oligomerization of putative lactate oxidase from <i>Pediococcus acidilactici</i> . <i>PLoS ONE</i> , 2020, 15, e0223870.	1.1	8
25	Multiple crystal forms of human MacroD2. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 477-482.	0.4	3
26	Inhibitor screening assay for neurexin-LRRTM adhesion protein interaction involved in synaptic maintenance and neurological disorders. <i>Analytical Biochemistry</i> , 2019, 587, 113463.	1.1	6
27	EU-OPENSREEN: A Novel Collaborative Approach to Facilitate Chemical Biology. <i>SLAS Discovery</i> , 2019, 24, 398-413.	1.4	12
28	2-Phenylquinazolinones as dual-activity tankyrase-kinase inhibitors. <i>Scientific Reports</i> , 2018, 8, 1680.	1.6	16
29	Adenosine analogs bearing phosphate isosteres as human MDO1 ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1588-1597.	1.4	8
30	Development of an Inhibitor Screening Assay for Mono-ADP-Ribosyl Hydrolyzing Macrodomains Using AlphaScreen Technology. <i>SLAS Discovery</i> , 2018, 23, 255-263.	1.4	13
31	Structural basis for DNA break recognition by ARTD2/PARP2. <i>Nucleic Acids Research</i> , 2018, 46, 12154-12165.	6.5	45
32	4-(Phenoxy) and 4-(benzyloxy)benzamides as potent and selective inhibitors of mono-ADP-ribosyltransferase PARP10/ARTD10. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 93-102.	2.6	23
33	Small-Molecule Screening Assay for Mono-ADP-Ribosyltransferases. <i>Methods in Molecular Biology</i> , 2018, 1813, 237-244.	0.4	2
34	Structural and Biochemical Characterization of Poly-ADP-ribose Polymerase from <i>Trypanosoma brucei</i> . <i>Scientific Reports</i> , 2017, 7, 3642.	1.6	7
35	Highly Potent and Isoform Selective Dual Site Binding Tankyrase/Wnt Signaling Inhibitors That Increase Cellular Glucose Uptake and Have Antiproliferative Activity. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 814-820.	2.9	40
36	Discovery of a Novel Series of Tankyrase Inhibitors by a Hybridization Approach. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 10013-10025.	2.9	30

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37	Structure-activity relationships of 2-arylquinazolin-4-ones as highly selective and potent inhibitors of the tankyrases. <i>European Journal of Medicinal Chemistry</i> , 2016, 118, 316-327.	2.6	24
38	Small-Molecule Chemical Probe Rescues Cells from Mono-ADP-Ribosyltransferase ARTD10/PARP10-Induced Apoptosis and Sensitizes Cancer Cells to DNA Damage. <i>Cell Chemical Biology</i> , 2016, 23, 1251-1260.	2.5	55
39	Proximal ADP-ribose Hydrolysis in Trypanosomatids is Catalyzed by a Macrodomain. <i>Scientific Reports</i> , 2016, 6, 24213.	1.6	19
40	Characterization of the DNA dependent activation of human ARTD2/PARP2. <i>Scientific Reports</i> , 2016, 6, 34487.	1.6	34
41	Disrupted ADP-ribose metabolism with nuclear Poly (ADP-ribose) accumulation leads to different cell death pathways in presence of hydrogen peroxide in procyclic <i>Trypanosoma brucei</i> . <i>Parasites and Vectors</i> , 2016, 9, 173.	1.0	13
42	Development and structural analysis of adenosine site binding tankyrase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 328-333.	1.0	23
43	Structure-based design, synthesis and evaluation in vitro of aryl naphthyridinones, aryl pyridopyrimidinones and their tetrahydro derivatives as inhibitors of the tankyrases. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3013-3032.	1.4	36
44	Discovery of potent and selective nonplanar tankyrase inhibiting nicotinamide mimics. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4139-4149.	1.4	21
45	Exploration of the nicotinamide-binding site of the tankyrases, identifying 3-arylisquinolin-1-ones as potent and selective inhibitors in vitro. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5891-5908.	1.4	26
46	Tankyrases: Structure, Function and Therapeutic Implications in Cancer. <i>Current Pharmaceutical Design</i> , 2014, 20, 6472-6488.	0.9	153
47	Structural Basis for Regulation of the Human Acetyl-CoA Thioesterase 12 and Interactions with the Steroidogenic Acute Regulatory Protein-related Lipid Transfer (START) Domain. <i>Journal of Biological Chemistry</i> , 2014, 289, 24263-24274.	1.6	22
48	Evaluation and Structural Basis for the Inhibition of Tankyrases by PARP Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 18-22.	1.3	47
49	Substituted 3,4-dihydroquinazolin-4-ones As Potent and Selective Tankyrase Inhibitors. <i>ChemMedChem</i> , 2013, 8, 1978-1985.	1.6	30
50	Discovery of Tankyrase Inhibiting Flavones with Increased Potency and Isoenzyme Selectivity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 7880-7889.	2.9	48
51	Substrate Specificity and Oligomerization of Human GMP Synthetase. <i>Journal of Molecular Biology</i> , 2013, 425, 4323-4333.	2.0	31
52	Activity-based assay for human mono-ADP-ribosyltransferases ARTD7/PARP15 and ARTD10/PARP10 aimed at screening and profiling inhibitors. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 49, 148-156.	1.9	47
53	Screening and Structural Analysis of Flavones Inhibiting Tankyrases. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3507-3517.	2.9	54
54	Tankyrases as drug targets. <i>FEBS Journal</i> , 2013, 280, 3576-3593.	2.2	157

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55	Structural Basis and Selectivity of Tankyrase Inhibition by a Wnt Signaling Inhibitor WIKI4. PLoS ONE, 2013, 8, e65404.	1.1	27
56	PARP-3 is a mono-ADP-ribosylase that activates PARP-1 in the absence of DNA.. Journal of Biological Chemistry, 2012, 287, 34494.	1.6	1
57	Structural Basis of Selective Inhibition of Human Tankyrases. Journal of Medicinal Chemistry, 2012, 55, 1360-1367.	2.9	125
58	Inhibition of poly(ADP-ribose) Polymerase Interferes with Trypanosoma cruzi Infection and Proliferation of the Parasite. PLoS ONE, 2012, 7, e46063.	1.1	19
59	Homogeneous Screening Assay for Human Tankyrase. Journal of Biomolecular Screening, 2012, 17, 593-604.	2.6	45
60	Comparative Structural Analysis of Lipid Binding START Domains. PLoS ONE, 2011, 6, e19521.	1.1	117
61	Comparative Structural Analysis of Human DEAD-Box RNA Helicases. PLoS ONE, 2010, 5, e12791.	1.1	101
62	The Crystal Structure of the Dachshund Domain of Human SnoN Reveals Flexibility in the Putative Protein Interaction Surface. PLoS ONE, 2010, 5, e12907.	1.1	13
63	Crystal Structures of the ATPase Domains of Four Human Hsp70 Isoforms: HSPA1L/Hsp70-hom, HSPA2/Hsp70-2, HSPA6/Hsp70B', and HSPA5/BiP/GRP78. PLoS ONE, 2010, 5, e8625.	1.1	123
64	Structural studies of tri-functional human GART. Nucleic Acids Research, 2010, 38, 7308-7319.	6.5	28
65	Structural Determination of Functional Domains in Early B-cell Factor (EBF) Family of Transcription Factors Reveals Similarities to Rel DNA-binding Proteins and a Novel Dimerization Motif. Journal of Biological Chemistry, 2010, 285, 25875-25879.	1.6	26
66	PARP-3 Is a Mono-ADP-ribosylase That Activates PARP-1 in the Absence of DNA. Journal of Biological Chemistry, 2010, 285, 8054-8060.	1.6	135
67	The DEXD/H-box RNA Helicase DDX19 Is Regulated by an Î±-Helical Switch. Journal of Biological Chemistry, 2009, 284, 10296-10300.	1.6	119
68	Structural Basis for Inhibitor Specificity in Human Poly(ADP-ribose) Polymerase-3. Journal of Medicinal Chemistry, 2009, 52, 3108-3111.	2.9	88
69	Completing the family portrait of the anti-apoptotic Bcl-2 proteins: Crystal structure of human Bfl-1 in complex with Bim. FEBS Letters, 2008, 582, 3590-3594.	1.3	64
70	Zinc Binding Catalytic Domain of Human Tankyrase 1. Journal of Molecular Biology, 2008, 379, 136-145.	2.0	56
71	A Trimetal Site and Substrate Distortion in a Family II Inorganic Pyrophosphatase. Journal of Biological Chemistry, 2007, 282, 1422-1431.	1.6	45
72	Crystal Structure of the N-terminal NC4 Domain of Collagen IX, a Zinc Binding Member of the Laminin-Neurexin-Sex Hormone Binding Globulin (LNS) Domain Family. Journal of Biological Chemistry, 2007, 282, 23219-23230.	1.6	14

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73	Structure of the <i>Streptococcus agalactiae</i> family II inorganic pyrophosphatase at 2.80 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007, 63, 738-743.	2.5	21
74	Structure of <i>Streptococcus agalactiae</i> serine/threonine phosphatase. <i>FEBS Journal</i> , 2007, 274, 3128-3137.	2.2	50
75	Crystal Structure of a Glycyl Radical Enzyme from <i>Archaeoglobus fulgidus</i> . <i>Journal of Molecular Biology</i> , 2006, 357, 221-235.	2.0	23
76	Crystallization and preliminary crystallographic analysis of two <i>Streptococcus agalactiae</i> proteins: the family II inorganic pyrophosphatase and the serine/threonine phosphatase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 891-894.	0.7	3
77	Structure and function of the 3-carboxy-cis,cis-muconate lactonizing enzyme from the protocatechuate degradative pathway of <i>Agrobacterium radiobacter</i> S2. <i>FEBS Journal</i> , 2006, 273, 5169-5182.	2.2	7
78	Unusual twinning in an acetyl coenzyme A synthetase (ADP-forming) from <i>Pyrococcus furiosus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 350-354.	2.5	5
79	Structural Studies of Metal Ions in Family II Pyrophosphatases: The Requirement for a Janus Ion. <i>Biochemistry</i> , 2004, 43, 14403-14411.	1.2	30
80	The structure of <i>Pseudomonas</i> P51 Cl-muconate lactonizing enzyme: Co-evolution of structure and dynamics with the dehalogenation function. <i>Protein Science</i> , 2003, 12, 1855-1864.	3.1	12
81	Structure of <i>Escherichia coli</i> pyruvate formate-lyase with pyruvate. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 2209-2212.	2.5	16
82	Buried Charged Surface in Proteins. <i>Structure</i> , 2000, 8, 1203-1214.	1.6	110