

Janos Ludwig

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

5,936
citations

516710

16
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

8188
citing authors

#	ARTICLE	IF	CITATIONS
1	cGAS produces a 5'-5'-linked cyclic dinucleotide second messenger that activates STING. <i>Nature</i> , 2013, 498, 380-384.	27.8	1,193
2	Incorporation of Pseudouridine Into mRNA Yields Superior Nonimmunogenic Vector With Increased Translational Capacity and Biological Stability. <i>Molecular Therapy</i> , 2008, 16, 1833-1840.	8.2	1,106
3	Recognition of 5'-Triphosphate by RIG-I Helicase Requires Short Blunt Double-Stranded RNA as Contained in Panhandle of Negative-Strand Virus. <i>Immunity</i> , 2009, 31, 25-34.	14.3	660
4	Generating the optimal mRNA for therapy: HPLC purification eliminates immune activation and improves translation of nucleoside-modified, protein-encoding mRNA. <i>Nucleic Acids Research</i> , 2011, 39, e142-e142.	14.5	586
5	Antiviral immunity via RIG-I-mediated recognition of RNA bearing 5'-diphosphates. <i>Nature</i> , 2014, 514, 372-375.	27.8	459
6	Identification of microRNAs and other small regulatory RNAs using cDNA library sequencing. <i>Methods</i> , 2008, 44, 3-12.	3.8	419
7	Rapid and efficient synthesis of nucleoside 5'-O-(1-thiotriphosphates), 5'-triphosphates and 2',3'-cyclophosphorothioates using 2-chloro-4H-1,3,2-benzodioxaphosphorin-4-one. <i>Journal of Organic Chemistry</i> , 1989, 54, 631-635.	3.2	356
8	RNA-ligase-dependent biases in miRNA representation in deep-sequenced small RNA cDNA libraries. <i>Rna</i> , 2011, 17, 1697-1712.	3.5	307
9	Structural and functional insights into 5'-ppp RNA pattern recognition by the innate immune receptor RIG-I. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 781-787.	8.2	229
10	A Conserved Histidine in the RNA Sensor RIG-I Controls Immune Tolerance to N1-2'-O-Methylated Self RNA. <i>Immunity</i> , 2015, 43, 41-51.	14.3	221
11	Sequence-specific activation of the DNA sensor cGAS by Y-form DNA structures as found in primary HIV-1 cDNA. <i>Nature Immunology</i> , 2015, 16, 1025-1033.	14.5	202
12	Synthesis of nucleoside 5'-O-(1,3-dithiotriphosphates) and 5'-O-(1,1-dithiotriphosphates). <i>Journal of Organic Chemistry</i> , 1991, 56, 1777-1783.	3.2	44
13	Synthesis of \pm -P-Modified Nucleoside Diphosphates with Ethylenediamine. <i>Journal of the American Chemical Society</i> , 2005, 127, 16782-16783.	13.7	31
14	Higher activation of TLR9 in plasmacytoid dendritic cells by microbial DNA compared with self-DNA based on CpG-specific recognition of phosphodiester DNA. <i>Journal of Leukocyte Biology</i> , 2009, 86, 663-670.	3.3	31
15	RIG-I Resists Hypoxia-Induced Immunosuppression and Dedifferentiation. <i>Cancer Immunology Research</i> , 2017, 5, 455-467.	3.4	29
16	RIG-I Activation Protects and Rescues from Lethal Influenza Virus Infection and Bacterial Superinfection. <i>Molecular Therapy</i> , 2017, 25, 2093-2103.	8.2	26
17	Ribozyme Assays to Quantify the Capping Efficiency of In Vitro-Transcribed mRNA. <i>Pharmaceutics</i> , 2022, 14, 328.	4.5	20
18	NUDT2 initiates viral RNA degradation by removal of 5'-phosphates. <i>Nature Communications</i> , 2021, 12, 6918.	12.8	13

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19	Synthesis of 5â€™-Dithiotriphosphate Derivatives of 3â€™-Deoxy 3â€™-Azidothymidine. Nucleosides & Nucleotides, 1991, 10, 663-664.	0.5	4
20	Mechanisms of small RNA mediated mammalian gene silencing. FASEB Journal, 2007, 21, A149.	0.5	0