

Jason K Perry

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

10,922
citations

331259

21
h-index

610482

24
g-index

34
all docs

34
docs citations

34
times ranked

16709
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient incorporation and template-dependent polymerase inhibition are major determinants for the broad-spectrum antiviral activity of remdesivir. <i>Journal of Biological Chemistry</i> , 2022, 298, 101529.	1.6	25
2	Ensemble cryo-EM reveals conformational states of the nsp13 helicase in the SARS-CoV-2 helicase replication–transcription complex. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 250-260.	3.6	35
3	Remdesivir and GS-441524 Retain Antiviral Activity against Delta, Omicron, and Other Emergent SARS-CoV-2 Variants. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0022222.	1.4	39
4	Mutations in the SARS-CoV-2 RNA-dependent RNA polymerase confer resistance to remdesivir by distinct mechanisms. <i>Science Translational Medicine</i> , 2022, 14, eabo0718.	5.8	108
5	<i>In Vitro</i> Selection of Remdesivir-Resistant SARS-CoV-2 Demonstrates High Barrier to Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, .	1.4	18
6	The Nucleoside/Nucleotide Analogs Tenofovir and Emtricitabine Are Inactive against SARS-CoV-2. <i>Molecules</i> , 2022, 27, 4212.	1.7	9
7	Genetic conservation of SARS-CoV-2 RNA replication complex in globally circulating isolates and recently emerged variants from humans and minks suggests minimal pre-existing resistance to remdesivir. <i>Antiviral Research</i> , 2021, 188, 105033.	1.9	32
8	Remdesivir targets a structurally analogous region of the Ebola virus and SARS-CoV-2 polymerases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26946-26954.	3.3	54
9	Template-dependent inhibition of coronavirus RNA-dependent RNA polymerase by remdesivir reveals a second mechanism of action. <i>Journal of Biological Chemistry</i> , 2020, 295, 16156-16165.	1.6	120
10	Discovery of GS-9688 (Selgantolimod) as a Potent and Selective Oral Toll-Like Receptor 8 Agonist for the Treatment of Chronic Hepatitis B. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10188-10203.	2.9	54
11	Remdesivir Inhibits SARS-CoV-2 in Human Lung Cells and Chimeric SARS-CoV Expressing the SARS-CoV-2 RNA Polymerase in Mice. <i>Cell Reports</i> , 2020, 32, 107940.	2.9	412
12	Remdesivir is a direct-acting antiviral that inhibits RNA-dependent RNA polymerase from severe acute respiratory syndrome coronavirus 2 with high potency. <i>Journal of Biological Chemistry</i> , 2020, 295, 6785-6797.	1.6	752
13	Discovery and Synthesis of a Phosphoramidate Prodrug of a Pyrrolo[2,1- <i>f</i>][triazin-4-amino] Adenine <i>C</i> -Nucleoside (GS-5734) for the Treatment of Ebola and Emerging Viruses. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1648-1661.	2.9	547
14	Role of Mitochondrial RNA Polymerase in the Toxicity of Nucleotide Inhibitors of Hepatitis C Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 806-817.	1.4	68
15	Structural basis for RNA replication by the hepatitis C virus polymerase. <i>Science</i> , 2015, 347, 771-775.	6.0	294
16	Discovery of Ledipasvir (GS-5885): A Potent, Once-Daily Oral NS5A Inhibitor for the Treatment of Hepatitis C Virus Infection. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2033-2046.	2.9	248
17	Discovery of the First <i>C</i> -Nucleoside HCV Polymerase Inhibitor (GS-6620) with Demonstrated Antiviral Response in HCV Infected Patients. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1812-1825.	2.9	108
18	Identification and Optimization of Pteridinone Toll-like Receptor 7 (TLR7) Agonists for the Oral Treatment of Viral Hepatitis. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 7324-7333.	2.9	61

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19	Sensitivity of Mitochondrial Transcription and Resistance of RNA Polymerase II Dependent Nuclear Transcription to Antiviral Ribonucleosides. PLoS Pathogens, 2012, 8, e1003030.	2.1	119
20	Structural and Binding Analysis of Pyrimidinol Carboxylic Acid and <i>N</i> -Hydroxy Quinazolinone HIV-1 RNase H Inhibitors. Antimicrobial Agents and Chemotherapy, 2011, 55, 2905-2915.	1.4	77
21	RNase H Active Site Inhibitors of Human Immunodeficiency Virus Type 1 Reverse Transcriptase: Design, Biochemical Activity, and Structural Information. Journal of Medicinal Chemistry, 2009, 52, 5781-5784.	2.9	96
22	Glide: A New Approach for Rapid, Accurate Docking and Scoring. 1. Method and Assessment of Docking Accuracy. Journal of Medicinal Chemistry, 2004, 47, 1739-1749.	2.9	7,428
23	Advanced initial-guess algorithm for self-consistent-field calculations on organometallic systems. Chemical Physics Letters, 1999, 310, 189-194.	1.2	95
24	Mechanism and Energetics for Dehydrogenation of Methane by Gaseous Iridium Ions. Organometallics, 1994, 13, 1870-1877.	1.1	71
25	Remdesivir Potently Inhibits SARS-CoV-2 in Human Lung Cells and Chimeric SARS-CoV Expressing the SARS-CoV-2 RNA Polymerase in Mice. SSRN Electronic Journal, 0, , .	0.4	15