

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	Glide: A New Approach for Rapid, Accurate Docking and Scoring. 1. Method and Assessment of Docking Accuracy. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 1739-1749.	2.9	7,428
2	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
3	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
4	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
5	Structural basis for RNA replication by the hepatitis C virus polymerase. <i>Science</i> , 2015, 347, 771-775.	6.0	294
6	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
7	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
8	Sensitivity of Mitochondrial Transcription and Resistance of RNA Polymerase II Dependent Nuclear Transcription to Antiviral Ribonucleosides. <i>PLoS Pathogens</i> , 2012, 8, e1003030.	2.1	119
9	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
10	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
11	RNase H Active Site Inhibitors of Human Immunodeficiency Virus Type 1 Reverse Transcriptase: Design, Biochemical Activity, and Structural Information. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5781-5784.	2.9	96
12	Advanced initial-guess algorithm for self-consistent-field calculations on organometallic systems. <i>Chemical Physics Letters</i> , 1999, 310, 189-194.	1.2	95
13	Structural and Binding Analysis of Pyrimidinol Carboxylic Acid and <i>N</i> -Hydroxy Quinazolidione HIV-1 RNase H Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 2905-2915.	1.4	77
14	Mechanism and Energetics for Dehydrogenation of Methane by Gaseous Iridium Ions. <i>Organometallics</i> , 1994, 13, 1870-1877.	1.1	71
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	<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
24	Remdesivir Potently Inhibits SARS-CoV-2 in Human Lung Cells and Chimeric SARS-CoV Expressing the SARS-CoV-2 RNA Polymerase in Mice. <i>SSRN Electronic Journal</i> , 0, , .	0.4	15
25	The Nucleoside/Nucleotide Analogs Tenofovir and Emtricitabine Are Inactive against SARS-CoV-2. <i>Molecules</i> , 2022, 27, 4212.	1.7	9