

Selena M Sagan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

1,311
citations

19
h-index

35
g-index

57
ext. papers

1,581
ext. citations

6.7
avg, IF

4.82
L-index

#	Paper	IF	Citations
48	Masking the 5' terminal nucleotides of the hepatitis C virus genome by an unconventional microRNA-target RNA complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3193-8	11.5	230
47	Analysis of the T Cell Response to Zika Virus and Identification of a Novel CD8+ T Cell Epitope in Immunocompetent Mice. <i>PLoS Pathogens</i> , 2017 , 13, e1006184	7.6	86
46	Bioinformatic and physical characterizations of genome-scale ordered RNA structure in mammalian RNA viruses. <i>Journal of Virology</i> , 2008 , 82, 11824-36	6.6	86
45	Peroxisome proliferator-activated receptor alpha antagonism inhibits hepatitis C virus replication. <i>Chemistry and Biology</i> , 2006 , 13, 23-30		72
44	The influence of cholesterol and lipid metabolism on host cell structure and hepatitis C virus replication. <i>Biochemistry and Cell Biology</i> , 2006 , 84, 67-79	3.6	65
43	Dissecting noncoding and pathogen RNA-protein interactomes. <i>Rna</i> , 2015 , 21, 135-43	5.8	61
42	The Diverse Roles of microRNAs at the Host-Virus Interface. <i>Viruses</i> , 2018 , 10,	6.2	53
41	Direct imaging of the disruption of hepatitis C virus replication complexes by inhibitors of lipid metabolism. <i>Virology</i> , 2009 , 394, 130-42	3.6	53
40	Beyond the seed: structural basis for supplementary microRNA targeting by human Argonaute2. <i>EMBO Journal</i> , 2019 , 38, e101153	13	52
39	The miR-17~92 microRNA Cluster Is a Global Regulator of Tumor Metabolism. <i>Cell Reports</i> , 2016 , 16, 1915-28	10.6	43
38	Unraveling the Mysterious Interactions Between Hepatitis C Virus RNA and Liver-Specific MicroRNA-122. <i>Annual Review of Virology</i> , 2016 , 3, 309-332	14.6	39
37	miR-122 and Ago interactions with the HCV genome alter the structure of the viral 5' terminus. <i>Nucleic Acids Research</i> , 2019 , 47, 5307-5324	20.1	30
36	cis-Acting RNA elements in the hepatitis C virus RNA genome. <i>Virus Research</i> , 2015 , 206, 90-8	6.4	30
35	Transcriptional profiling of the effects of 25-hydroxycholesterol on human hepatocyte metabolism and the antiviral state it conveys against the hepatitis C virus. <i>BMC Chemical Biology</i> , 2009 , 9, 2		29
34	miR-122 does not impact recognition of the HCV genome by innate sensors of RNA but rather protects the 5' end from the cellular pyrophosphatases, DOM3Z and DUSP11. <i>Nucleic Acids Research</i> , 2018 , 46, 5139-5158	20.1	27
33	Hepatitis C virus and human miR-122: insights from the bench to the clinic. <i>Current Opinion in Virology</i> , 2014 , 7, 11-8	7.5	26
32	Zika Virus: Emergence, Phylogenetics, Challenges, and Opportunities. <i>ACS Infectious Diseases</i> , 2016 , 2, 763-772	5.5	22

31	Effects of pH and salt concentration on the siRNA binding activity of the RNA silencing suppressor protein p19. <i>FEBS Letters</i> , 2007 , 581, 3051-6	3.8	21
30	Combating hepatitis C virus by targeting microRNA-122 using locked nucleic acids. <i>Current Gene Therapy</i> , 2012 , 12, 301-6	4.3	19
29	Modulation of GB virus B RNA abundance by microRNA-122: dependence on and escape from microRNA-122 restriction. <i>Journal of Virology</i> , 2013 , 87, 7338-47	6.6	18
28	Studies of the interaction of the viral suppressor of RNA silencing protein p19 with small RNAs using fluorescence polarization. <i>Biochemistry</i> , 2008 , 47, 8130-8	3.2	18
27	Neuronal microRNA regulation in Experimental Autoimmune Encephalomyelitis. <i>Scientific Reports</i> , 2018 , 8, 13437	4.9	18
26	The efficacy of siRNAs against hepatitis C virus is strongly influenced by structure and target site accessibility. <i>Chemistry and Biology</i> , 2010 , 17, 515-27		17
25	Inhibition of siRNA binding to a p19 viral suppressor of RNA silencing by cysteine alkylation. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2005-9	16.4	17
24	Molecular biology. RNAi, Antiviral after all. <i>Science</i> , 2013 , 342, 207-8	33.3	16
23	Higher Cytopathic Effects of a Zika Virus Brazilian Isolate from Bahia Compared to a Canadian-Imported Thai Strain. <i>Viruses</i> , 2018 , 10,	6.2	15
22	Enhancement of hepatitis C viral RNA abundance by precursor miR-122 molecules. <i>Rna</i> , 2013 , 19, 1825-32	3.8	13
21	Molecular Determinants of Flavivirus Virion Assembly. <i>Trends in Biochemical Sciences</i> , 2021 , 46, 378-390	10.3	13
20	Cysteine residues of Carnation Italian Ringspot virus p19 suppressor of RNA silencing maintain global structural integrity and stability for siRNA binding. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 1197-203	4	12
19	Stabilized recombinant suppressors of RNA silencing: functional effects of linking monomers of Carnation Italian Ringspot virus p19. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 1528-35	4	12
18	Contemporary Zika Virus Isolates Induce More dsRNA and Produce More Negative-Strand Intermediate in Human Astrocytoma Cells. <i>Viruses</i> , 2018 , 10,	6.2	12
17	A Complex Network of Interactions between S282 and G283 of Hepatitis C Virus Nonstructural Protein 5B and the Template Strand Affects Susceptibility to Sofosbuvir and Ribavirin. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 2018-27	5.9	11
16	Studies of a viral suppressor of RNA silencing p19-CFP fusion protein: a FRET-based probe for sensing double-stranded fluorophore tagged small RNAs. <i>Biophysical Chemistry</i> , 2009 , 143, 166-9	3.5	11
15	Virus discovery reveals frequent infection by diverse novel members of the Flaviviridae in wild lemurs. <i>Archives of Virology</i> , 2019 , 164, 509-522	2.6	8
14	Plasmacytoid dendritic cells as guardians in hepatitis C virus-infected liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7625-6	11.5	6

13	Beyond sites 1 and 2, miR-122 target sites in the HCV genome have negligible contributions to HCV RNA accumulation in cell culture. <i>Journal of General Virology</i> , 2019 , 100, 217-226	4.9	6
12	A survey of medication preparation and administration practices among members of the Canadian Anesthesiologists' Society. <i>Canadian Journal of Anaesthesia</i> , 2018 , 65, 1100-1109	3	3
11	Hepatitis C Contamination of Medication Vials Accessed with Sterile Needles and Syringes. <i>Anesthesiology</i> , 2019 , 131, 305-314	4.3	3
10	6th Canadian Symposium on Hepatitis C Virus: Delivering a cure for hepatitis C infection—What are the remaining gaps?. <i>Canadian Liver Journal</i> , 2018 , 1, 94-105	0.3	3
9	Sandfly Fever Sicilian Virus-Leishmania major co-infection modulates innate inflammatory response favoring myeloid cell infections and skin hyperinflammation. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009638	4.8	2
8	The 7th Canadian Symposium on Hepatitis C Virus: "Toward Elimination of HCV: How to Get There" <i>Canadian Liver Journal</i> , 2018 , 1, 139-152	0.3	2
7	miR-122-based therapies select for three distinct resistance mechanisms based on alterations in RNA structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
6	Design and screening of siRNAs against highly structured RNA targets. <i>Methods in Molecular Biology</i> , 2013 , 942, 69-86	1.4	1
5	A highly sensitive strand-specific multiplex RT-qPCR assay for quantitation of Zika virus replication. <i>Journal of Virological Methods</i> , 2022 , 307, 114556	2.6	1
4	The 8th Canadian Symposium on Hepatitis C virus: "Improving diagnosis and linkage to care" <i>Canadian Liver Journal</i> , 2020 , 3, 3-14	0.3	0
3	Effectiveness of germicidal ultraviolet light to inactivate coronaviruses on personal protective equipment to reduce nosocomial transmission. <i>Infection Control and Hospital Epidemiology</i> , 2021 , 1-6	2	0
2	Zika virus infection: induction, restriction and evasion of host interferon responses. <i>Future Virology</i> , 2017 , 12, 627-630	2.4	
1	A Moonlighting microRNA: Mechanism(s) of miR-122-Mediated Viral RNA Accumulation. <i>Proceedings (mdpi)</i> , 2020 , 50, 131	0.3	