

# Joanna L Shisler

## List of Publications by Year in descending order

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68  
papers

2,286  
citations

218677

26  
h-index

223800

46  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2539  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Role for Tumor Necrosis Factor Receptor-2 and Receptor-interacting Protein in Programmed Necrosis and Antiviral Responses. <i>Journal of Biological Chemistry</i> , 2003, 278, 51613-51621.	3.4	406
2	The Vaccinia Virus K1L Gene Product Inhibits Host NF- $\kappa$ B Activation by Preventing I $\kappa$ B $\alpha$ Degradation. <i>Journal of Virology</i> , 2004, 78, 3553-3560.	3.4	165
3	Waterborne Viruses: A Barrier to Safe Drinking Water. <i>PLoS Pathogens</i> , 2015, 11, e1004867.	4.7	144
4	Immunology 101 at poxvirus U: Immune evasion genes. <i>Seminars in Immunology</i> , 2001, 13, 59-66.	5.6	123
5	Poxviral Regulation of the Host NF- $\kappa$ B Response: the Vaccinia Virus M2L Protein Inhibits Induction of NF- $\kappa$ B Activation via an ERK2 Pathway in Virus-Infected Human Embryonic Kidney Cells. <i>Journal of Virology</i> , 2006, 80, 8676-8685.	3.4	85
6	Molluscum Contagiosum Virus Inhibitors of Apoptosis: The MC159 v-FLIP Protein Blocks Fas-Induced Activation of Procaspases and Degradation of the Related MC160 Protein. <i>Virology</i> , 2001, 282, 14-25.	2.4	78
7	Immune Evasion Strategies of Molluscum Contagiosum Virus. <i>Advances in Virus Research</i> , 2015, 92, 201-252.	2.1	51
8	Mechanistic Aspects of Adenovirus Serotype 2 Inactivation with Free Chlorine. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2946-2954.	3.1	50
9	Kinetics of adenovirus type 2 inactivation with free chlorine. <i>Water Research</i> , 2009, 43, 2916-2926.	11.3	48
10	The MC160 Protein Expressed by the Dermatotropic Poxvirus Molluscum Contagiosum Virus Prevents Tumor Necrosis Factor Alpha-Induced NF- $\kappa$ B Activation via Inhibition of I Kappa Kinase Complex Formation. <i>Journal of Virology</i> , 2006, 80, 578-586.	3.4	46
11	Effect of Exposure to UV-C Irradiation and Monochloramine on Adenovirus Serotype 2 Early Protein Expression and DNA Replication. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3774-3782.	3.1	45
12	Immune-defense molecules of Molluscum contagiosum virus, a human poxvirus. <i>Trends in Microbiology</i> , 2000, 8, 473-477.	7.7	43
13	Myxoma Virus Expressing a Fusion Protein of Interleukin-15 (IL15) and IL15 Receptor Alpha Has Enhanced Antitumor Activity. <i>PLoS ONE</i> , 2014, 9, e109801.	2.5	43
14	Kaposi's Sarcoma-Associated Herpesvirus (KSHV) Induces the Oncogenic miR-17-92 Cluster and Down-Regulates TGF- $\beta$ 2 Signaling. <i>PLoS Pathogens</i> , 2015, 11, e1005255.	4.7	40
15	Viral Double-stranded RNAs from Vaccinia Virus Early or Intermediate Gene Transcripts Possess PKR Activating Function, Resulting in NF- $\kappa$ B Activation, When the K1 Protein Is Absent or Mutated. <i>Journal of Biological Chemistry</i> , 2011, 286, 7765-7778.	3.4	39
16	Synergistic Combination of Oncolytic Virotherapy and Immunotherapy for Glioma. <i>Clinical Cancer Research</i> , 2020, 26, 2216-2230.	7.0	39
17	Vaccinia Virus Serpin-1 Deletion Mutant Exhibits a Host Range Defect Characterized by Low Levels of Intermediate and Late mRNAs. <i>Virology</i> , 1999, 262, 298-311.	2.4	38
18	The MCV MC159 protein inhibits late, but not early, events of TNF- $\alpha$ -induced NF- $\kappa$ B activation. <i>Virology</i> , 2005, 340, 255-264.	2.4	38

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19	Inactivation kinetics of adenovirus serotype 2 with monochloramine. <i>Water Research</i> , 2008, 42, 1467-1474.	11.3	38
20	Analysis of the Viral Replication Cycle of Adenovirus Serotype 2 after Inactivation by Free Chlorine. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4584-4590.	10.0	38
21	UV Inactivation of Rotavirus and Tulane Virus Targets Different Components of the Virions. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	33
22	Immunology 102 at poxvirus U: Avoiding apoptosis. <i>Seminars in Immunology</i> , 2001, 13, 67-72.	5.6	32
23	Free Chlorine Disinfection Mechanisms of Rotaviruses and Human Norovirus Surrogate Tulane Virus Attached to Fresh Produce Surfaces. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11999-12006.	10.0	31
24	Assessment of microbial risks by characterization of Escherichia coli presence to analyze the public health risks from poor water quality in Nepal. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 226, 113484.	4.3	31
25	The MC159 Protein from the Molluscum Contagiosum Poxvirus Inhibits NF- $\kappa$ B Activation by Interacting with the I $\kappa$ B Kinase Complex. <i>Journal of Immunology</i> , 2012, 188, 2371-2379.	0.8	30
26	Poxvirus MC160 Protein Utilizes Multiple Mechanisms To Inhibit NF- $\kappa$ B Activation Mediated via Components of the Tumor Necrosis Factor Receptor 1 Signal Transduction Pathway. <i>Journal of Virology</i> , 2009, 83, 3162-3174.	3.4	29
27	The effect of the vaccinia K1 protein on the PKR-eIF2 $\gamma$ pathway in RK13 and HeLa cells. <i>Virology</i> , 2009, 394, 73-81.	2.4	28
28	Inhibition of interferon gene activation by death-effector domain-containing proteins from the molluscum contagiosum virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E265-E272.	7.1	25
29	Ectromelia Virus Encodes a BTB/kelch Protein, EVM150, That Inhibits NF- $\kappa$ B Signaling. <i>Journal of Virology</i> , 2014, 88, 4853-4865.	3.4	25
30	Quantification of multiple waterborne pathogens in drinking water, drainage channels, and surface water in Kampala, Uganda, during seasonal variation. <i>GeoHealth</i> , 2017, 1, 258-269.	4.0	25
31	Vaccinia virus K1 ankyrin repeat protein inhibits NF- $\kappa$ B activation by preventing RelA acetylation. <i>Journal of General Virology</i> , 2016, 97, 2691-2702.	2.9	25
32	The Effect of the 2015 Earthquake on the Bacterial Community Compositions in Water in Nepal. <i>Frontiers in Microbiology</i> , 2017, 8, 2380.	3.5	24
33	Adenovirus Replication Cycle Disruption from Exposure to Polychromatic Ultraviolet Irradiation. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3652-3659.	10.0	21
34	cFLIPL Interrupts IRF3-CBP-DNA Interactions To Inhibit IRF3-Driven Transcription. <i>Journal of Immunology</i> , 2016, 197, 923-933.	0.8	20
35	Inactivation Mechanisms of Human and Animal Rotaviruses by Solar UVA and Visible Light. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5682-5690.	10.0	20
36	Effect of Leaf Surface Chemical Properties on Efficacy of Sanitizer for Rotavirus Inactivation. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6214-6222.	3.1	19

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37	Characterization of wild-type and mutant vaccinia virus M2L proteins' abilities to localize to the endoplasmic reticulum and to inhibit NF- $\kappa$ B activation during infection. <i>Virology</i> , 2008, 373, 248-262.	2.4	18
38	SEROLOGIC EVIDENCE FOR CIRCULATING ORTHOPOXVIRUSES IN PERIDOMESTIC RODENTS FROM RURAL UGANDA. <i>Journal of Wildlife Diseases</i> , 2013, 49, 125-131.	0.8	18
39	Vaccinia Virus Encodes a Novel Inhibitor of Apoptosis That Associates with the Apoptosome. <i>Journal of Virology</i> , 2017, 91, .	3.4	16
40	Viral and Cellular FLICE-Inhibitory Proteins: a Comparison of Their Roles in Regulating Intrinsic Immune Responses. <i>Journal of Virology</i> , 2014, 88, 6539-6541.	3.4	15
41	Solar and Temperature Treatments Affect the Ability of Human Rotavirus Wa To Bind to Host Cells and Synthesize Viral RNA. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4090-4097.	3.1	15
42	Deletion of the <i>K1L</i> Gene Results in a Vaccinia Virus That Is Less Pathogenic Due to Muted Innate Immune Responses, yet Still Elicits Protective Immunity. <i>Journal of Virology</i> , 2017, 91, .	3.4	14
43	&lt;p&gt;A cautionary note on the selectivity of oncolytic poxviruses&lt;/p&gt;. <i>Oncolytic Virotherapy</i> , 2019, Volume 8, 3-8.	6.0	14
44	Characterizing Bacteriophage PR772 as a Potential Surrogate for Adenovirus in Water Disinfection: A Comparative Analysis of Inactivation Kinetics and Replication Cycle Inhibition by Free Chlorine. <i>Environmental Science &amp; Technology</i> , 2016, 50, 2522-2529.	10.0	13
45	Molluscum Contagiosum Virus MC159 Abrogates cIAP1-NEMO Interactions and Inhibits NEMO Polyubiquitination. <i>Journal of Virology</i> , 2017, 91, .	3.4	13
46	Evaluation of Risk of Cholera after a Natural Disaster: Lessons Learned from the 2015 Nepal Earthquake. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	2.6	11
47	Influence of algal organic matter on MS2 bacteriophage inactivation by ultraviolet irradiation at 220â€nm and 254â€nm. <i>Chemosphere</i> , 2019, 214, 195-202.	8.2	11
48	The Basis of Peracetic Acid Inactivation Mechanisms for Rotavirus and Tulane Virus under Conditions Relevant for Vegetable Sanitation. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	11
49	Molluscum contagiosum virus: persistence pays off. <i>Future Virology</i> , 2013, 8, 561-573.	1.8	10
50	Inactivation Kinetics and Replication Cycle Inhibition of Adenovirus by Monochloramine. <i>Environmental Science and Technology Letters</i> , 2016, 3, 185-189.	8.7	10
51	A novel approach to concentrate human and animal viruses from wastewater using receptors-conjugated magnetic beads. <i>Water Research</i> , 2022, 212, 118112.	11.3	10
52	Early viral protein synthesis is necessary for NF- $\kappa$ B activation in modified vaccinia Ankara (MVA)-infected 293AT fibroblast cells. <i>Virology</i> , 2009, 390, 298-306.	2.4	9
53	The C11R Gene, Which Encodes the Vaccinia Virus Growth Factor, Is Partially Responsible for MVA-Induced NF- $\kappa$ B and ERK2 Activation. <i>Journal of Virology</i> , 2012, 86, 9629-9639.	3.4	9
54	Adenoviral inhibitors of the apoptotic cascade. <i>Trends in Microbiology</i> , 1998, 6, 337-339.	7.7	8

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55	Distribution and Antibiotic Resistance Profiles of <i>Salmonella enterica</i> in Rural Areas of North Carolina After Hurricane Florence in 2018. <i>GeoHealth</i> , 2021, 5, e2020GH000294.	4.0	8
56	Roles of Vegetable Surface Properties and Sanitizer Type on Annual Disease Burden of Rotavirus Illness by Consumption of Rotavirus-Contaminated Fresh Vegetables: A Quantitative Microbial Risk Assessment. <i>Risk Analysis</i> , 2020, 40, 741-757.	2.7	7
57	A comparison of the effect of molluscum contagiosum virus MC159 and MC160 proteins on vaccinia virus virulence in intranasal and intradermal infection routes. <i>Journal of General Virology</i> , 2018, 99, 246-252.	2.9	7
58	Cellular FLIP long isoform (cFLIPL) interactions inhibit IRF7 activation, representing a new cellular strategy to inhibit IFN $\beta$ expression. <i>Journal of Biological Chemistry</i> , 2018, 293, 1745-1755.	3.4	6
59	Vaccination with a codon-optimized A27L-containing plasmid decreases virus replication and dissemination after vaccinia virus challenge. <i>Vaccine</i> , 2017, 35, 6007-6014.	3.8	5
60	Peracetic Acid Sanitation on Arugula Microgreens Contaminated with Surface-Attached and Internalized Tulane Virus and Rotavirus. <i>Food and Environmental Virology</i> , 2021, 13, 401-411.	3.4	4
61	Inactivation Mechanism and Efficacy of Grape Seed Extract for Human Norovirus Surrogate. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0224721.	3.1	4
62	Characterizing the effects of insertion of a 5.2-kb region of a VACV genome, which contains known immune evasion genes, on MVA immunogenicity. <i>Virus Research</i> , 2018, 246, 55-64.	2.2	3
63	Inactivation of Coxsackievirus by Chlorine, Silver, and Solar Disinfection for Safe Global Water. <i>Proceedings of the Water Environment Federation</i> , 2011, 2011, 64-71.	0.0	1
64	Voluntary Wheel Running Does Not Alter Mortality to or Immunogenicity of Vaccinia Virus in Mice: A Pilot Study. <i>Frontiers in Physiology</i> , 2018, 8, 1123.	2.8	1
65	Assessment of Suitable Drinking Water Technologies for Disinfection of DNA Viruses: Providing Global Safe Water. <i>Proceedings of the Water Environment Federation</i> , 2011, 2011, 80-83.	0.0	0
66	The Safe Global Water Institute: An integrated, collaborative approach for improving drinking water and sanitation globally. <i>Proceedings of the Water Environment Federation</i> , 2013, 2013, 184-187.	0.0	0
67	Quantitative ultrasound and the pancreas: Demonstration of early detection capability. , 2017, , .		0
68	Quantitative ultrasound and the pancreas: Demonstration of early detection capability. , 2017, , .		0