

# Michael J Imperiale

## List of Publications by Year in descending order

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134  
papers

5,146  
citations

87888

38  
h-index

95266

68  
g-index

144  
all docs

144  
docs citations

144  
times ranked

4021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of gene expression by adenovirus and herpesvirus regulatory genes acting in trans and by a cis-acting adenovirus enhancer element. <i>Cell</i> , 1983, 35, 127-136.	28.9	311
2	Promoter Attenuation in Gene Therapy: Interferon- $\beta$ and Tumor Necrosis Factor- $\alpha$ Inhibit Transgene Expression. <i>Human Gene Therapy</i> , 1997, 8, 2019-2029.	2.7	302
3	Requirement of a downstream sequence for generation of a poly(A) addition site. <i>Cell</i> , 1984, 37, 993-999.	28.9	299
4	The role of polyomaviruses in human disease. <i>Virology</i> , 2009, 384, 266-273.	2.4	244
5	Biology of Adenovirus and Its Use as a Vector for Gene Therapy. <i>Human Gene Therapy</i> , 2004, 15, 1022-1033.	2.7	218
6	Taxonomical developments in the family Polyomaviridae. <i>Archives of Virology</i> , 2011, 156, 1627-1634.	2.1	171
7	Identification of Gangliosides GD1b and GT1b as Receptors for BK Virus. <i>Journal of Virology</i> , 2006, 80, 1361-1366.	3.4	164
8	The Human Polyomaviruses, BKV and JCV: Molecular Pathogenesis of Acute Disease and Potential Role in Cancer. <i>Virology</i> , 2000, 267, 1-7.	2.4	137
9	Inhibition of DNA Methyltransferase Activity Prevents Tumorigenesis in a Mouse Model of Prostate Cancer. <i>Cancer Research</i> , 2006, 66, 385-392.	0.9	125
10	Early Events during BK Virus Entry and Disassembly. <i>Journal of Virology</i> , 2009, 83, 1350-1358.	3.4	117
11	BK virus and human cancer: Innocent until proven guilty. <i>Seminars in Cancer Biology</i> , 2009, 19, 252-260.	9.6	113
12	Merkel Cell Polyomavirus Small T Antigen Is Oncogenic in Transgenic Mice. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1415-1424.	0.7	112
13	BKV and SV40 infection of human kidney tubular epithelial cells in vitro. <i>Virology</i> , 2004, 323, 182-188.	2.4	102
14	A novel peptide defined through phage display for therapeutic protein and vector neuronal targeting. <i>Neurobiology of Disease</i> , 2005, 19, 407-418.	4.4	101
15	Novel Mechanisms of E2F Induction by BK Virus Large-T Antigen: Requirement of Both the pRb-Binding and the J Domains. <i>Molecular and Cellular Biology</i> , 1998, 18, 1746-1756.	2.3	94
16	miRNA regulation of BK polyomavirus replication during early infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8200-8205.	7.1	89
17	Adaptations of Avian Flu Virus Are a Cause for Concern. <i>Science</i> , 2012, 335, 660-661.	12.6	88
18	Simian Virus 40 Infection of Humans. <i>Journal of Virology</i> , 2003, 77, 5039-5045.	3.4	87

#	ARTICLE	IF	CITATIONS
19	Encapsidation of Viral DNA Requires the Adenovirus L1 52/55-Kilodalton Protein. <i>Journal of Virology</i> , 1998, 72, 7860-7870.	3.4	87
20	Inhibitory Effect of Gamma Interferon on BK Virus Gene Expression and Replication. <i>Journal of Virology</i> , 2007, 81, 272-279.	3.4	84
21	BK polyomavirus: emerging pathogen. <i>Microbes and Infection</i> , 2012, 14, 672-683.	1.9	82
22	BK Virus as a Cofactor in the Etiology of Prostate Cancer in Its Early Stages. <i>Journal of Virology</i> , 2008, 82, 2705-2714.	3.4	79
23	Interaction of the Adenovirus IVa2 Protein with Viral Packaging Sequences. <i>Journal of Virology</i> , 2000, 74, 2687-2693.	3.4	78
24	Requirement of the Adenovirus IVa2 Protein for Virus Assembly. <i>Journal of Virology</i> , 2003, 77, 3586-3594.	3.4	77
25	Detection and expression of human BK virus sequences in neoplastic prostate tissues. <i>Oncogene</i> , 2004, 23, 7031-7046.	5.9	76
26	Role for the Adenovirus IVa2 Protein in Packaging of Viral DNA. <i>Journal of Virology</i> , 2001, 75, 10446-10454.	3.4	72
27	Roles of ATM and ATR-Mediated DNA Damage Responses during Lytic BK Polyomavirus Infection. <i>PLoS Pathogens</i> , 2012, 8, e1002898.	4.7	62
28	Risks and Benefits of Gain-of-Function Experiments with Pathogens of Pandemic Potential, Such as Influenza Virus: a Call for a Science-Based Discussion. <i>MBio</i> , 2014, 5, e01730-14.	4.1	57
29	Characterization of a Permissive Epitope Insertion Site in Adenovirus Hexon. <i>Journal of Virology</i> , 2006, 80, 5361-5370.	3.4	55
30	A truncated T antigen expressed from an alternatively spliced BK virus early mRNA. <i>Journal of General Virology</i> , 2009, 90, 1238-1245.	2.9	54
31	Role of a nuclear localization signal on the minor capsid Proteins VP2 and VP3 in BKPyV nuclear entry. <i>Virology</i> , 2015, 474, 110-116.	2.4	51
32	Adeno-associated viral vector gene expression in the adult rat spinal cord following remote vector delivery. <i>Neurobiology of Disease</i> , 2003, 14, 535-541.	4.4	50
33	Intraneural Colchicine Inhibition of Adenoviral and Adeno-associated Viral Vector Remote Spinal Cord Gene Delivery. <i>Neurosurgery</i> , 2003, 52, 381-387.	1.1	50
34	Gain-of-function experiments: time for a real debate. <i>Nature Reviews Microbiology</i> , 2015, 13, 58-64.	28.6	49
35	Efficient propagation of archetype BK and JC polyomaviruses. <i>Virology</i> , 2012, 422, 235-241.	2.4	48
36	Viral DNA Replication-Dependent DNA Damage Response Activation during BK Polyomavirus Infection. <i>Journal of Virology</i> , 2015, 89, 5032-5039.	3.4	48

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37	Role of Cell-Type-Specific Endoplasmic Reticulum-Associated Degradation in Polyomavirus Trafficking. <i>Journal of Virology</i> , 2013, 87, 8843-8852.	3.4	45
38	Presence of the Adenovirus IVa2 Protein at a Single Vertex of the Mature Virion. <i>Journal of Virology</i> , 2008, 82, 9086-9093.	3.4	44
39	Adenovirus-based Prime-boost Immunization for Rapid Vaccination Against Anthrax. <i>Molecular Therapy</i> , 2007, 15, 203-210.	8.2	40
40	Global effects of BKV infection on gene expression in human primary kidney epithelial cells. <i>Virology</i> , 2010, 397, 73-79.	2.4	40
41	Analysis of the Interaction of the Adenovirus L1 52/55-Kilodalton and IVa2 Proteins with the Packaging Sequence In Vivo and In Vitro. <i>Journal of Virology</i> , 2005, 79, 2366-2374.	3.4	39
42	Oncogenic transformation by the human polyomaviruses. <i>Oncogene</i> , 2001, 20, 7917-7923.	5.9	37
43	Functional Reorganization of Promyelocytic Leukemia Nuclear Bodies during BK Virus Infection. <i>MBio</i> , 2011, 2, e00281-10.	4.1	36
44	Ternary Complex Formation on the Adenovirus Packaging Sequence by the IVa2 and L4 22-Kilodalton Proteins. <i>Journal of Virology</i> , 2007, 81, 12450-12457.	3.4	35
45	Polyomavirus Persistence. <i>Annual Review of Virology</i> , 2016, 3, 517-532.	6.7	35
46	Cytokine Response and Survival of Mice Immunized with an Adenovirus Expressing Bacillus anthracis Protective Antigen Domain 4. <i>Infection and Immunity</i> , 2006, 74, 1009-1015.	2.2	33
47	Adaptations of avian flu virus are a cause for concern. <i>Nature</i> , 2012, 482, 153-154.	27.8	30
48	Identification of Rab18 as an Essential Host Factor for BK Polyomavirus Infection Using a Whole-Genome RNA Interference Screen. <i>MSphere</i> , 2017, 2, .	2.9	29
49	Caveolin- and clathrin-independent entry of BKPvV into primary human proximal tubule epithelial cells. <i>Virology</i> , 2016, 492, 66-72.	2.4	28
50	Abl Family Tyrosine Kinases Regulate Sialylated Ganglioside Receptors for Polyomavirus. <i>Journal of Virology</i> , 2010, 84, 4243-4251.	3.4	27
51	Polyomavirus miRNAs: the beginning. <i>Current Opinion in Virology</i> , 2014, 7, 29-32.	5.4	27
52	The Human Polyomaviruses: An Overview. , 0, , 53-71.		25
53	Prospects for an SV40 vaccine. <i>Seminars in Cancer Biology</i> , 2001, 11, 81-85.	9.6	25
54	Formation of a Multiple Protein Complex on the Adenovirus Packaging Sequence by the IVa2 Protein. <i>Journal of Virology</i> , 2007, 81, 3447-3454.	3.4	24

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55	Transforming growth factor-beta-mediated regulation of BK virus gene expression. <i>Virology</i> , 2008, 378, 6-12.	2.4	24
56	An Epistemological Perspective on the Value of Gain-of-Function Experiments Involving Pathogens with Pandemic Potential. <i>MBio</i> , 2014, 5, e01875-14.	4.1	24
57	A New Synthesis for Dual Use Research of Concern. <i>PLoS Medicine</i> , 2015, 12, e1001813.	8.4	24
58	Adeno-Associated Viral-Mediated Insulin-Like Growth Factor Delivery Protects Motor Neurons In Vitro. <i>NeuroMolecular Medicine</i> , 2005, 6, 079-086.	3.4	23
59	A system for the analysis of BKV non-coding control regions: Application to clinical isolates from an HIV/AIDS patient. <i>Virology</i> , 2010, 407, 368-373.	2.4	23
60	Neuronal survival following remote adenovirus gene delivery. <i>Journal of Neurosurgery: Spine</i> , 2002, 96, 212-219.	1.7	20
61	Dual-Use Research of Concern (DURC) Review at American Society for Microbiology Journals. <i>MBio</i> , 2015, 6, e01236.	4.1	19
62	Rethinking Gain-of-Function Experiments in the Context of the COVID-19 Pandemic. <i>MBio</i> , 2020, 11, .	4.1	19
63	Fate of the Urinary Tract Virus BK Human Polyomavirus in Source-Separated Urine. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	18
64	What DNA Viral Genomic Rearrangements Tell Us about Persistence. <i>Journal of Virology</i> , 2015, 89, 1948-1950.	3.4	16
65	ASM Journals Eliminate Impact Factor Information from Journal Websites. <i>MBio</i> , 2016, 7, .	4.1	16
66	Restriction of Human Polyomavirus BK Virus DNA Replication in Murine Cells and Extracts. <i>Journal of Virology</i> , 2009, 83, 5708-5717.	3.4	15
67	Can Science Help Resolve the Controversy on the Origins of the SARS-CoV-2 Pandemic?. <i>MBio</i> , 2021, 12, e0194821.	4.1	15
68	Design stars: how small DNA viruses remodel the host nucleus. <i>Future Virology</i> , 2012, 7, 445-459.	1.8	14
69	On the Need for a National Board To Assess Dual Use Research of Concern. <i>Journal of Virology</i> , 2014, 88, 6535-6537.	3.4	14
70	Dependence of the Encapsidation Function of the Adenovirus L1 52/55-Kilodalton Protein on Its Ability To Bind the Packaging Sequence. <i>Journal of Virology</i> , 2006, 80, 1965-1971.	3.4	13
71	Bioterrorism: Lessons Learned Since the Anthrax Mailings. <i>MBio</i> , 2011, 2, e00232-11.	4.1	12
72	Biosafety Considerations of Mammalian-Transmissible H5N1 Influenza. <i>MBio</i> , 2012, 3, e00043-12.	4.1	12

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73	A New Approach to Evaluating the Risk-Benefit Equation for Dual-Use and Gain-of-Function Research of Concern. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 21.	4.1	12
74	Quantitative Proteomic Analysis of Enriched Nuclear Fractions from BK Polyomavirus-Infected Primary Renal Proximal Tubule Epithelial Cells. <i>Journal of Proteome Research</i> , 2015, 14, 4413-4424.	3.7	11
75	Identification and characterization of a DNA binding domain on the adenovirus IVa2 protein. <i>Virology</i> , 2012, 433, 124-130.	2.4	9
76	The Importance of Virology at a Time of Great Need and Great Jeopardy. <i>MBio</i> , 2015, 6, e00236.	4.1	9
77	ASM Journals Eliminate Impact Factor Information from Journal Websites. <i>Infection and Immunity</i> , 2016, 84, 2407-2408.	2.2	9
78	Keeping Adenovirus Away from the Liver. <i>Cell Host and Microbe</i> , 2008, 3, 119-120.	11.0	8
79	Analysis of viruses present in urine from patients with interstitial cystitis. <i>Virus Genes</i> , 2020, 56, 430-438.	1.6	8
80	Biology of Polyomavirus miRNA. <i>Frontiers in Microbiology</i> , 2021, 12, 662892.	3.5	8
81	Long-read sequencing reveals complex patterns of wraparound transcription in polyomaviruses. <i>PLoS Pathogens</i> , 2022, 18, e1010401.	4.7	8
82	The Apocalypse as a Rhetorical Device in the Influenza Virus Gain-of-Function Debate. <i>MBio</i> , 2014, 5, e02062-14.	4.1	7
83	ASM Journals Eliminate Impact Factor Information from Journal Websites. <i>Journal of Clinical Microbiology</i> , 2016, 54, 2216-2217.	3.9	7
84	mSphereDirect: Author-Initiated Peer Review of Manuscripts. <i>MSphere</i> , 2016, 1, .	2.9	7
85	The Silver Lining in Gain-of-Function Experiments with Pathogens of Pandemic Potential. <i>Methods in Molecular Biology</i> , 2018, 1836, 575-587.	0.9	7
86	Establishing Renal Proximal Tubule Epithelial-Derived Cell Lines Expressing Human Telomerase Reverse Transcriptase for Studying BK Polyomavirus. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	7
87	A Cell Culture Model of BK Polyomavirus Persistence, Genome Recombination, and Reactivation. <i>MBio</i> , 2021, 12, e0235621.	4.1	7
88	ASM Journals Eliminate Impact Factor Information from Journal Websites. <i>MSphere</i> , 2016, 1, .	2.9	5
89	Integrated Cell Culture-Mass Spectrometry Method for Infectious Human Virus Monitoring. <i>Environmental Science and Technology Letters</i> , 2019, 6, 407-412.	8.7	5
90	Control of Archetype BK Polyomavirus MicroRNA Expression. <i>Journal of Virology</i> , 2020, 95, .	3.4	5

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91	The Decision to Publish an Avian H7N1 Influenza Virus Gain-of-Function Experiment. MBio, 2014, 5, e01985-14.	4.1	4
92	ASM Journals Eliminate Impact Factor Information from Journal Websites. Clinical Microbiology Reviews, 2016, 29, i-ii.	13.6	4
93	Does Biotechnology Pose New Catastrophic Risks?. Current Topics in Microbiology and Immunology, 2019, 424, 107-119.	1.1	4
94	Reply to "Can Limited Scientific Value of Potential Pandemic Pathogen Experiments Justify the Risks?" MBio, 2014, 5, e02053-14.	4.1	3
95	Zika Virus Focuses the Gain-of-Function Debate. MSphere, 2016, 1, .	2.9	3
96	ASM Journals Eliminate Impact Factor Information from Journal Websites. MSystems, 2016, 1, .	3.8	3
97	ASM Journals Eliminate Impact Factor Information from Journal Websites. Antimicrobial Agents and Chemotherapy, 2016, 60, 5109-5110.	3.2	3
98	JC Polyomavirus: Let's Please Respect Privacy. Journal of Virology, 2018, 92, .	3.4	3
99	The ASM Journals Committee Values the Contributions of Black Microbiologists. MBio, 2020, 11, .	4.1	3
100	Pandemics and People. MSphere, 2020, 5, .	2.9	3
101	RNA Polymerase II-dependent Positional Effects on mRNA 3' End Processing in the Adenovirus Major Late Transcription Unit. Journal of Biological Chemistry, 2001, 276, 41825-41831.	3.4	2
102	ASM Launches <i>mSphere</i> . MSphere, 2016, 1, .	2.9	2
103	Re-creation of Horsepox Virus. MSphere, 2018, 3, .	2.9	2
104	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Microbiology and Biology Education, 2020, 21, .	1.0	2
105	Gene Therapy and Biosecurity. Molecular Therapy, 2007, 15, 648-649.	8.2	1
106	Reply to "A Brain Drain due to Increased Regulation of Influenza Virus Research Is Highly Speculative" MBio, 2014, 5, e01860-14.	4.1	1
107	Reply to "Valuing Knowledge: a Reply to the Epistemological Perspective on the Value of Gain-of-Function Experiments" MBio, 2014, 5, e02054-14.	4.1	1
108	ASM Journals Eliminate Impact Factor Information from Journal Websites. Applied and Environmental Microbiology, 2016, 82, 5479-5480.	3.1	1

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109	ASM Journals Eliminate Impact Factor Information from Journal Websites. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, i-ii.	6.6	1
110	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	3.9	1
111	Oncogenic transformation by the human polyomaviruses. , 0, .		1
112	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	1
113	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>MSphere</i> , 2020, 5, .	2.9	1
114	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Clinical Microbiology Reviews</i> , 2020, 33, .	13.6	1
115	590. Recombinant Adenovirus Vaccines Against Anthrax. <i>Molecular Therapy</i> , 2006, 13, S228.	8.2	0
116	How Should I Submit to <i>mSphere</i> : Traditional, Expedited, or <i>mSphereDirect</i> ?. <i>MSphere</i> , 2017, 2, .	2.9	0
117	Acknowledgment of <i>Ad Hoc</i> Reviewers. <i>MSphere</i> , 2017, 2, .	2.9	0
118	Completion of an Experiment. <i>MSphere</i> , 2018, 3, .	2.9	0
119	<i>mSphere</i> of Influence: the View from the Microbiologists of the Future. <i>MSphere</i> , 2019, 4, .	2.9	0
120	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Infection and Immunity</i> , 2020, 88, .	2.2	0
121	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Microbiology Spectrum</i> , 2020, 8, .	3.0	0
122	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	0
123	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Journal of Virology</i> , 2020, 94, .	3.4	0
124	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	0
125	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>Microbiology and Molecular Biology Reviews</i> , 2020, 84, .	6.6	0
126	The ASM Journals Committee Values the Contributions of Black Microbiologists. <i>MSystems</i> , 2020, 5, .	3.8	0



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127	The ASM Journals Committee Values the Contributions of Black Microbiologists. Microbiology Resource Announcements, 2020, 9, .	0.6	0
128	Recurring Themes. MSphere, 2020, 5, .	2.9	0
129	The Polyomavirus Episteme: A Database for Researchers. Microbiology Resource Announcements, 2021, 10, .	0.6	0
130	A Fortuitous Journey from a Model System to a Human Pathogen. PLoS Pathogens, 2015, 11, e1005313.	4.7	0
131	An Expanded Platform for Young Scientists. MSphere, 2019, 4, .	2.9	0
132	The ASM Journals Committee Values the Contributions of Black Microbiologists. Molecular and Cellular Biology, 2020, 40, .	2.3	0
133	Pandemics and People. Microbiology Spectrum, 2020, 8, .	3.0	0
134	2021 Acknowledgment of <i>mSphere Ad Hoc</i> Reviewers. MSphere, 2022, 7, e0095721.	2.9	0