

# Joe S Mymryk

## List of Publications by Year in descending order

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111  
papers

3,643  
citations

136950

32  
h-index

161849

54  
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111  
all docs

111  
docs citations

111  
times ranked

4652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adenovirus-5 E1A: paradox and paradigm. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 441-452.	37.0	270
2	Impaired H3K36 methylation defines a subset of head and neck squamous cell carcinomas. <i>Nature Genetics</i> , 2017, 49, 180-185.	21.4	195
3	Sequences in E1A proteins of human adenovirus 5 required for cell transformation, repression of a transcriptional enhancer, and induction of proliferating cell nuclear antigen. <i>Virology</i> , 1989, 171, 120-130.	2.4	178
4	Interaction between the HPV E7 oncoprotein and the transcriptional coactivator p300. <i>Oncogene</i> , 2003, 22, 7871-7881.	5.9	129
5	Intrinsic Structural Disorder in Adenovirus E1A: a Viral Molecular Hub Linking Multiple Diverse Processes. <i>Journal of Virology</i> , 2008, 82, 7252-7263.	3.4	129
6	Treatment-naïve HPV+ head and neck cancers display a T-cell-inflamed phenotype distinct from their HPV- counterparts that has implications for immunotherapy. <i>Oncolmmunology</i> , 2018, 7, e1498439.	4.6	124
7	Size, position and dynamic behavior of PML nuclear bodies following cell stress as a paradigm for supramolecular trafficking and assembly. <i>Journal of Cell Science</i> , 2003, 116, 4455-4466.	2.0	120
8	Interaction of the HPV E7 proteins with the pCAF acetyltransferase. <i>Oncogene</i> , 2003, 22, 3833-3841.	5.9	110
9	Intravital Imaging of Human Prostate Cancer Using Viral Nanoparticles Targeted to Gastrin Releasing Peptide Receptors. <i>Small</i> , 2011, 7, 1664-1672.	10.0	100
10	E1A Activates Transcription of p73 and Noxa to Induce Apoptosis. <i>Journal of Biological Chemistry</i> , 2005, 280, 5945-5959.	3.4	73
11	High Frequency of Activating PIK3CA Mutations in Human Papillomavirus-Positive Oropharyngeal Cancer. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2013, 139, 617.	2.2	68
12	Metabolic Reprogramming of the Host Cell by Human Adenovirus Infection. <i>Viruses</i> , 2019, 11, 141.	3.3	67
13	Hacking the Cell: Network Intrusion and Exploitation by Adenovirus E1A. <i>MBio</i> , 2018, 9, .	4.1	62
14	Comparative Sequence Analysis of the Largest E1A Proteins of Human and Simian Adenoviruses. <i>Journal of Virology</i> , 2002, 76, 7968-7975.	3.4	58
15	Interaction of the E1A Oncoprotein with Yak1p, a Novel Regulator of Yeast Pseudohyphal Differentiation, and Related Mammalian Kinases. <i>Molecular Biology of the Cell</i> , 2001, 12, 699-710.	2.1	53
16	Nuclear localization of maspin is essential for its inhibition of tumor growth and metastasis. <i>Laboratory Investigation</i> , 2011, 91, 1181-1187.	3.7	53
17	Does HPV type affect outcome in oropharyngeal cancer?. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2013, 42, 9.	1.9	52
18	Multidrug-resistant Cancer Cells Facilitate E1-independent Adenoviral Replication. <i>Cancer Research</i> , 2004, 64, 322-328.	0.9	49

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19	Human papillomavirus E7 oncoprotein targets RNF168 to hijack the host DNA damage response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19552-19562.	7.1	47
20	Transcriptional control by adenovirus E1A conserved region 3 via p300/CBP. <i>Nucleic Acids Research</i> , 2009, 37, 1095-1106.	14.5	45
21	Conserved Region 3 of Human Papillomavirus 16 E7 Contributes to Deregulation of the Retinoblastoma Tumor Suppressor. <i>Journal of Virology</i> , 2012, 86, 13313-13323.	3.4	44
22	Steroid hormone receptor status defines the MMTV promoter chromatin structure in vivo. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1995, 53, 421-429.	2.5	43
23	Recruitment of CBP/p300, TATA-Binding Protein, and S8 to Distinct Regions at the N Terminus of Adenovirus E1A. <i>Journal of Virology</i> , 2005, 79, 5594-5605.	3.4	42
24	Roles for APIS and the 20S proteasome in adenovirus E1A-dependent transcription. <i>EMBO Journal</i> , 2006, 25, 2710-2722.	7.8	42
25	Adenovirus early region 1A protein binds to mammalian SUG1-a regulatory component of the proteasome. <i>Oncogene</i> , 1999, 18, 449-458.	5.9	40
26	Adenovirus E1A Directly Targets the E2F/DP-1 Complex. <i>Journal of Virology</i> , 2011, 85, 8841-8851.	3.4	40
27	Survival-Associated Metabolic Genes in Human Papillomavirus-Positive Head and Neck Cancers. <i>Cancers</i> , 2020, 12, 253.	3.7	40
28	The Coactivator p/CIP/SRC-3 Facilitates Retinoic Acid Receptor Signaling via Recruitment of GCN5. <i>Journal of Biological Chemistry</i> , 2003, 278, 39402-39412.	3.4	39
29	Adenovirus Type 5 E1A and E6 Proteins of Low-Risk Cutaneous Beta-Human Papillomaviruses Suppress Cell Transformation through Interaction with FOXK1/K2 Transcription Factors. <i>Journal of Virology</i> , 2010, 84, 2719-2731.	3.4	39
30	The adaptor protein DCAF7 mediates the interaction of the adenovirus E1A oncoprotein with the protein kinases DYRK1A and HIPK2. <i>Scientific Reports</i> , 2016, 6, 28241.	3.3	39
31	Pharmaceutical-mediated inactivation of p53 sensitizes U87MG glioma cells to BCNU and temozolomide. <i>International Journal of Cancer</i> , 2005, 116, 187-192.	5.1	38
32	Emerging antiviral therapeutics for human adenovirus infection: Recent developments and novel strategies. <i>Antiviral Research</i> , 2021, 188, 105034.	4.1	37
33	Systematic Analysis of the Amino Acid Residues of Human Papillomavirus Type 16 E7 Conserved Region 3 Involved in Dimerization and Transformation. <i>Journal of Virology</i> , 2011, 85, 10048-10057.	3.4	36
34	A Pilot Study Comparing HPV-Positive and HPV-Negative Head and Neck Squamous Cell Carcinomas by Whole Exome Sequencing. <i>ISRN Oncology</i> , 2012, 2012, 1-9.	2.1	31
35	Identification of a Second CtBP Binding Site in Adenovirus Type 5 E1A Conserved Region 3. <i>Journal of Virology</i> , 2008, 82, 8476-8486.	3.4	30
36	Inhibition of Human Adenovirus Replication by the Importin $\beta$ 1 Nuclear Import Inhibitor Ivermectin. <i>Journal of Virology</i> , 2020, 94, .	3.4	30

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37	Analysis of Class I Major Histocompatibility Complex Gene Transcription in Human Tumors Caused by Human Papillomavirus Infection. <i>Viruses</i> , 2017, 9, 252.	3.3	29
38	ERK-TSC2 signalling in constitutively-active HRAS mutant HNSCC cells promotes resistance to PI3K inhibition. <i>Oral Oncology</i> , 2018, 84, 95-103.	1.5	29
39	Repurposing Albendazole: new potential as a chemotherapeutic agent with preferential activity against HPV-negative head and neck squamous cell cancer. <i>Oncotarget</i> , 2017, 8, 71512-71519.	1.8	29
40	The Targeting of the Proteasomal Regulatory Subunit S2 by Adenovirus E1A Causes Inhibition of Proteasomal Activity and Increased p53 Expression. <i>Journal of Biological Chemistry</i> , 2004, 279, 25122-25133.	3.4	28
41	Adenovirus E1A Targets the DREF Nuclear Factor To Regulate Virus Gene Expression, DNA Replication, and Growth. <i>Journal of Virology</i> , 2014, 88, 13469-13481.	3.4	28
42	Variable expression of the forgotten oncogene E5 in HPV-positive oropharyngeal cancer. <i>Journal of Clinical Virology</i> , 2014, 61, 94-100.	3.1	28
43	The Adenovirus E1A Protein Targets the SAGA but Not the ADA Transcriptional Regulatory Complex through Multiple Independent Domains. <i>Journal of Biological Chemistry</i> , 2002, 277, 30844-30851.	3.4	26
44	Inactivation of p53 Sensitizes Astrocytic Glioma Cells to BCNU and Temozolomide, but not Cisplatin. <i>Journal of Neuro-Oncology</i> , 2005, 74, 141-149.	2.9	26
45	High MHC-II expression in Epstein-Barr virus-associated gastric cancers suggests that tumor cells serve an important role in antigen presentation. <i>Scientific Reports</i> , 2020, 10, 14786.	3.3	26
46	Disruption of the RICTOR/mTORC2 complex enhances the response of head and neck squamous cell carcinoma cells to PI3K inhibition. <i>Molecular Oncology</i> , 2019, 13, 2160-2177.	4.6	25
47	Mutational analysis of head and neck squamous cell carcinoma stratified by smoking status. <i>JCI Insight</i> , 2019, 4, .	5.0	25
48	Human papillomavirus dysregulates the cellular apparatus controlling the methylation status of H3K27 in different human cancers to consistently alter gene expression regardless of tissue of origin. <i>Oncotarget</i> , 2017, 8, 72564-72576.	1.8	24
49	A Universal Surrogate Reporter for Efficient Enrichment of CRISPR/Cas9-Mediated Homology-Directed Repair in Mammalian Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 775-789.	5.1	23
50	E1A and a nuclear receptor corepressor splice variant (N-CoRI) are thyroid hormone receptor coactivators that bind in the corepressor mode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6267-6272.	7.1	22
51	Viral Retasking of hBre1/RNF20 to Recruit hPaf1 for Transcriptional Activation. <i>PLoS Pathogens</i> , 2013, 9, e1003411.	4.7	22
52	Sex disparities in head & neck cancer driver genes: An analysis of the TCGA dataset. <i>Oral Oncology</i> , 2020, 104, 104614.	1.5	21
53	Cellular Context of Coregulator and Adaptor Proteins Regulates Human Adenovirus 5 Early Region 1A-Dependent Gene Activation by the Thyroid Hormone Receptor. <i>Molecular Endocrinology</i> , 2003, 17, 1095-1105.	3.7	20
54	Cellular GCN5 Is a Novel Regulator of Human Adenovirus E1A-Conserved Region 3 Transactivation. <i>Journal of Virology</i> , 2012, 86, 8198-8209.	3.4	20

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55	Genomically Driven Precision Medicine to Improve Outcomes in Anaplastic Thyroid Cancer. <i>Journal of Oncology</i> , 2014, 2014, 1-7.	1.3	20
56	The Persistent Mystery of Adenovirus Persistence. <i>Trends in Microbiology</i> , 2016, 24, 323-324.	7.7	20
57	High Level Expression of MHC-II in HPV+ Head and Neck Cancers Suggests that Tumor Epithelial Cells Serve an Important Role as Accessory Antigen Presenting Cells. <i>Cancers</i> , 2019, 11, 1129.	3.7	20
58	Viral Appropriation: Laying Claim to Host Nuclear Transport Machinery. <i>Cells</i> , 2019, 8, 559.	4.1	20
59	Identification of a second independent binding site for the pCAF acetyltransferase in adenovirus E1A. <i>Virology</i> , 2009, 391, 90-98.	2.4	19
60	High Levels of Class I Major Histocompatibility Complex mRNA Are Present in Epstein-Barr Virus-Associated Gastric Adenocarcinomas. <i>Cells</i> , 2020, 9, 499.	4.1	19
61	Detection of transcription factor binding in vivo using lambda exonuclease. <i>Nucleic Acids Research</i> , 1994, 22, 4344-4345.	14.5	18
62	Lestaurtinib is a potent inhibitor of anaplastic thyroid cancer cell line models. <i>PLoS ONE</i> , 2018, 13, e0207152.	2.5	18
63	Adenovirus E1A interacts directly with, and regulates the level of expression of, the immunoproteasome component MECL1. <i>Virology</i> , 2011, 421, 149-158.	2.4	17
64	A controlled trial of HNSCC patient-derived xenografts reveals broad efficacy of PI3K inhibition in controlling tumor growth. <i>International Journal of Cancer</i> , 2019, 145, 2100-2106.	5.1	17
65	Identification and characterization of multiple conserved nuclear localization signals within adenovirus E1A. <i>Virology</i> , 2014, 454-455, 206-214.	2.4	16
66	Piggybacking on Classical Import and Other Non-Classical Mechanisms of Nuclear Import Appear Highly Prevalent within the Human Proteome. <i>Biology</i> , 2020, 9, 188.	2.8	16
67	The Human Papillomavirus E7 Proteins Associate with p19RhoGAP and Alter Its Function. <i>Journal of Virology</i> , 2014, 88, 3653-3663.	3.4	15
68	Differential Effects of Human Adenovirus E1A Protein Isoforms on Aerobic Glycolysis in A549 Human Lung Epithelial Cells. <i>Viruses</i> , 2020, 12, 610.	3.3	15
69	Analysis of DNA binding by the adenovirus type 5 E1A oncoprotein. <i>Journal of General Virology</i> , 2002, 83, 517-524.	2.9	15
70	An improved genetic system for detection and analysis of protein nuclear import signals. <i>BMC Molecular Biology</i> , 2007, 8, 6.	3.0	14
71	Coactivator requirements for p53-dependent transcription in the yeast <i>Saccharomyces cerevisiae</i> . <i>International Journal of Cancer</i> , 2008, 122, 942-946.	5.1	13
72	Functional analysis of the C-terminal region of human adenovirus E1A reveals a misidentified nuclear localization signal. <i>Virology</i> , 2014, 468-470, 238-243.	2.4	13

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73	Activation of Langerhans-Type Dendritic Cells Alters Human Cytomegalovirus Infection and Reactivation in a Stimulus-Dependent Manner. <i>Frontiers in Microbiology</i> , 2016, 7, 1445.	3.5	13
74	All HPV-negative head and neck cancers are not the same: Analysis of the TCGA dataset reveals that anatomical sites have distinct mutation, transcriptome, hypoxia, and tumor microenvironment profiles. <i>Oral Oncology</i> , 2021, 116, 105260.	1.5	13
75	High-throughput testing in head and neck squamous cell carcinoma identifies agents with preferential activity in human papillomavirus-positive or negative cell lines. <i>Oncotarget</i> , 2018, 9, 26064-26071.	1.8	13
76	The tumor immune microenvironments of HPV <sup>+</sup> and HPV <sup>-</sup> head and neck cancers. <i>WIREs Mechanisms of Disease</i> , 2022, 14, e1539.	3.3	13
77	New tools for the construction of replication-competent adenoviral vectors with altered E1A regulation. <i>Journal of Virological Methods</i> , 2002, 103, 41-49.	2.1	12
78	The C-terminal region of E1A: a molecular tool for cellular cartography. <i>Biochemistry and Cell Biology</i> , 2012, 90, 153-163.	2.0	12
79	Adenovirus E1A Recruits the Human Paf1 Complex To Enhance Transcriptional Elongation. <i>Journal of Virology</i> , 2014, 88, 5630-5637.	3.4	12
80	The E1A proteins of all six human adenovirus subgroups target the p300/CBP acetyltransferases and the SAGA transcriptional regulatory complex. <i>Virology</i> , 2003, 316, 75-83.	2.4	11
81	The control of anaplastic thyroid carcinoma cell lines by oncolytic poxviruses. <i>Virus Research</i> , 2014, 190, 53-59.	2.2	11
82	Almost famous: Human adenoviruses (and what they have taught us about cancer). <i>Tumour Virus Research</i> , 2021, 12, 200225.	3.8	11
83	Comparison of E1A CR3-Dependent Transcriptional Activation across Six Different Human Adenovirus Subgroups. <i>Journal of Virology</i> , 2010, 84, 12771-12781.	3.4	10
84	TAM family receptors in conjunction with MAPK signalling are involved in acquired resistance to PI3K $\pm$ inhibition in head and neck squamous cell carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 217.	8.6	10
85	Flavopiridol causes cell cycle inhibition and demonstrates anti-cancer activity in anaplastic thyroid cancer models. <i>PLoS ONE</i> , 2020, 15, e0239315.	2.5	10
86	Low expression of NSD1, NSD2, and NSD3 define a subset of human papillomavirus-positive oral squamous carcinomas with unfavorable prognosis. <i>Infectious Agents and Cancer</i> , 2021, 16, 13.	2.6	10
87	Functional and Structural Mimicry of Cellular Protein Kinase A Anchoring Proteins by a Viral Oncoprotein. <i>PLoS Pathogens</i> , 2016, 12, e1005621.	4.7	10
88	The adenoviral E1A protein displaces corepressors and relieves gene repression by unliganded thyroid hormone receptors in vivo. <i>Cell Research</i> , 2009, 19, 783-792.	12.0	9
89	Characterization of the 55-Residue Protein Encoded by the 9S E1A mRNA of Species C Adenovirus. <i>Journal of Virology</i> , 2012, 86, 4222-4233.	3.4	9
90	Chromosome 3p loss in the progression and prognosis of head and neck cancer. <i>Oral Oncology</i> , 2020, 109, 104944.	1.5	9

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91	Analysis of the TCGA Dataset Reveals that Subsites of Laryngeal Squamous Cell Carcinoma Are Molecularly Distinct. <i>Cancers</i> , 2021, 13, 105.	3.7	9
92	Vaccinia Virus Outperforms a Panel of Other Poxviruses as a Potent Oncolytic Agent for the Control of Head and Neck Squamous Cell Carcinoma Cell Lines. <i>Intervirology</i> , 2014, 57, 17-22.	2.8	8
93	Color Me Infected: Painting Cellular Chromatin with a Viral Histone Mimic. <i>Trends in Microbiology</i> , 2016, 24, 774-776.	7.7	8
94	Sweet DREAMs for Hippo. <i>Genes and Development</i> , 2011, 25, 889-894.	5.9	7
95	Multiple pathways for activation of E2A expression in human KB cells by the 243R E1A protein of adenovirus type 5. <i>Virus Research</i> , 1994, 33, 89-97.	2.2	6
96	Requirements for E1A dependent transcription in the yeast <i>Saccharomyces cerevisiae</i> . <i>BMC Molecular Biology</i> , 2009, 10, 32.	3.0	6
97	Mimicry of Cellular A Kinase-Anchoring Proteins Is a Conserved and Critical Function of E1A across Various Human Adenovirus Species. <i>Journal of Virology</i> , 2018, 92, .	3.4	5
98	Inhibition of androgen receptor transactivation function by adenovirus type 12 E1A undermines prostate cancer cell survival. <i>Prostate</i> , 2018, 78, 1140-1156.	2.3	5
99	The Transcriptional Repressor BS69 is a Conserved Target of the E1A Proteins from Several Human Adenovirus Species. <i>Viruses</i> , 2018, 10, 662.	3.3	5
100	Spleen tyrosine kinase expression is correlated with human papillomavirus in head and neck cancer. <i>Oral Oncology</i> , 2020, 101, 104529.	1.5	5
101	An unhealthy relationship: viral manipulation of the nuclear receptor superfamily. <i>Future Microbiology</i> , 2011, 6, 999-1019.	2.0	4
102	Expression and Functional Analysis of the Argonaute Protein of <i>Thermus thermophilus</i> (TtAgo) in <i>E. coli</i> BL21(DE3). <i>Biomolecules</i> , 2021, 11, 524.	4.0	4
103	Metabolic Control by DNA Tumor Virus-Encoded Proteins. <i>Pathogens</i> , 2021, 10, 560.	2.8	4
104	The Impact of Surgical Resectability on Outcomes for Patients Undergoing Primary Radiation Treatment for Human Papillomavirus-Related Oropharyngeal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 521-529.	0.8	4
105	Tumor molecular differences associated with outcome disparities of Black patients with head and neck cancer. <i>Head and Neck</i> , 2022, 44, 1124-1135.	2.0	4
106	Disruption of the coordinate expression of muscle genes in a transfected BC <sub>3</sub> H1 myoblast cell line producing a low level of the adenovirus E1A transforming protein. <i>Biochemistry and Cell Biology</i> , 1992, 70, 1268-1276.	2.0	3
107	The adenovirus 55 residue E1A protein is a transcriptional activator and binds the unliganded thyroid hormone receptor. <i>Journal of General Virology</i> , 2014, 95, 142-152.	2.9	3
108	3p Arm Loss and Survival in Head and Neck Cancer: An Analysis of TCGA Dataset. <i>Cancers</i> , 2021, 13, 5313.	3.7	3

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109	Prokaryotic Argonaute Protein from <i>Natronobacterium gregoryi</i> Requires RNAs To Activate for DNA Interference <i>In Vivo</i> . <i>MBio</i> , 2022, 13, e0365621.	4.1	3
110	DIY: Visualizing the immune landscape of tumors using transcriptome and methylome data. <i>Methods in Enzymology</i> , 2020, 636, 49-76.	1.0	1
111	Viral Nanoparticles: Intravital Imaging of Human Prostate Cancer Using Viral Nanoparticles Targeted to Gastrin-Releasing Peptide Receptors (Small 12/2011). <i>Small</i> , 2011, 7, 1602-1602.	10.0	0