

# Markus J V VÃ¤hÃ¤-Koskela

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,172  
citations

186265

28  
h-index

233421

45  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oncolytic viruses in cancer therapy. <i>Cancer Letters</i> , 2007, 254, 178-216.	7.2	281
2	Chemical targeting of the innate antiviral response by histone deacetylase inhibitors renders refractory cancers sensitive to viral oncolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14981-14986.	7.1	161
3	Drug Target Commons: A Community Effort to Build a Consensus Knowledge Base for Drug-Target Interactions. <i>Cell Chemical Biology</i> , 2018, 25, 224-229.e2.	5.2	124
4	Immunogenomic Landscape of Hematological Malignancies. <i>Cancer Cell</i> , 2020, 38, 380-399.e13.	16.8	109
5	A High-throughput Pharmacoviral Approach Identifies Novel Oncolytic Virus Sensitizers. <i>Molecular Therapy</i> , 2010, 18, 1123-1129.	8.2	85
6	Artificial intelligence, machine learning, and drug repurposing in cancer. <i>Expert Opinion on Drug Discovery</i> , 2021, 16, 977-989.	5.0	68
7	Exploration of databases and methods supporting drug repurposing: a comprehensive survey. <i>Briefings in Bioinformatics</i> , 2021, 22, 1656-1678.	6.5	66
8	Oncolytic Adenoviruses for Cancer Immunotherapy. <i>Advances in Cancer Research</i> , 2012, 115, 265-318.	5.0	61
9	Adenovirus Improves the Efficacy of Adoptive T-cell Therapy by Recruiting Immune Cells to and Promoting Their Activity at the Tumor. <i>Cancer Immunology Research</i> , 2015, 3, 915-925.	3.4	61
10	Oncolytic Capacity of Attenuated Replicative Semliki Forest Virus in Human Melanoma Xenografts in Severe Combined Immunodeficient Mice. <i>Cancer Research</i> , 2006, 66, 7185-7194.	0.9	55
11	Tumor Restrictions to Oncolytic Virus. <i>Biomedicines</i> , 2014, 2, 163-194.	3.2	52
12	Oncolytic adenovirus and doxorubicin-based chemotherapy results in synergistic antitumor activity against soft tissue sarcoma. <i>International Journal of Cancer</i> , 2015, 136, 945-954.	5.1	51
13	Intravenously Administered Alphavirus Vector VA7 Eradicates Orthotopic Human Glioma Xenografts in Nude Mice. <i>PLoS ONE</i> , 2010, 5, e8603.	2.5	51
14	Semliki Forest Virus A7(74) Transduces Hippocampal Neurons and Glial Cells in a Temperature-Dependent Dual Manner. <i>Journal of NeuroVirology</i> , 2003, 9, 16-28.	2.1	49
15	A Novel Neurotropic Expression Vector Based on the Avirulent A7(74) Strain of Semliki Forest Virus. <i>Journal of NeuroVirology</i> , 2003, 9, 1-15.	2.1	47
16	Treatment of melanoma with a serotype 5/3 chimeric oncolytic adenovirus coding for GM-CSF: results <i>in vitro</i> , in rodents and in humans. <i>International Journal of Cancer</i> , 2015, 137, 1775-1783.	5.1	41
17	Replication competent Semliki Forest virus prolongs survival in experimental lung cancer. <i>International Journal of Cancer</i> , 2008, 123, 1704-1711.	5.1	40
18	Antiviral Properties of Chemical Inhibitors of Cellular Anti-Apoptotic Bcl-2 Proteins. <i>Viruses</i> , 2017, 9, 271.	3.3	39

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19	Model-based rational design of an oncolytic virus with improved therapeutic potential. <i>Nature Communications</i> , 2013, 4, 1974.	12.8	38
20	Favorable Alteration of Tumor Microenvironment by Immunomodulatory Cytokines for Efficient T-Cell Therapy in Solid Tumors. <i>PLoS ONE</i> , 2015, 10, e0131242.	2.5	38
21	Adenoviral Delivery of Tumor Necrosis Factor- $\alpha$ and Interleukin-2 Enables Successful Adoptive Cell Therapy of Immunosuppressive Melanoma. <i>Molecular Therapy</i> , 2016, 24, 1435-1443.	8.2	37
22	Dasatinib Changes Immune Cell Profiles Concomitant with Reduced Tumor Growth in Several Murine Solid Tumor Models. <i>Cancer Immunology Research</i> , 2017, 5, 157-169.	3.4	36
23	Drug Target Commons 2.0: a community platform for systematic analysis of drug-target interaction profiles. <i>Database: the Journal of Biological Databases and Curation</i> , 2018, 2018, 1-13.	3.0	36
24	Propagation, Purification, and In Vivo Testing of Oncolytic Vesicular Stomatitis Virus Strains. <i>Methods in Molecular Biology</i> , 2012, 797, 127-140.	0.9	35
25	Expression of DAI by an oncolytic vaccinia virus boosts the immunogenicity of the virus and enhances antitumor immunity. <i>Molecular Therapy - Oncolytics</i> , 2016, 3, 16002.	4.4	32
26	Oncolytic adenoviruses. <i>Oncolmmunology</i> , 2012, 1, 979-981.	4.6	31
27	MicroRNA-Attenuated Clone of Virulent Semliki Forest Virus Overcomes Antiviral Type I Interferon in Resistant Mouse CT-2A Glioma. <i>Journal of Virology</i> , 2015, 89, 10637-10647.	3.4	30
28	Evaluation of cancer virotherapy with attenuated replicative Semliki forest virus in different rodent tumor models. <i>International Journal of Cancer</i> , 2007, 121, 863-870.	5.1	29
29	Novel oncolytic viruses: Riding high on the next wave?. <i>Cytokine and Growth Factor Reviews</i> , 2010, 21, 177-183.	7.2	28
30	Patient-tailored design for selective co-inhibition of leukemic cell subpopulations. <i>Science Advances</i> , 2021, 7, .	10.3	28
31	Potent Oncolytic Activity of Raccoonpox Virus in the Absence of Natural Pathogenicity. <i>Molecular Therapy</i> , 2010, 18, 896-902.	8.2	27
32	Chronic Activation of Innate Immunity Correlates With Poor Prognosis in Cancer Patients Treated With Oncolytic Adenovirus. <i>Molecular Therapy</i> , 2016, 24, 175-183.	8.2	26
33	PROX1 is a transcriptional regulator of MMP14. <i>Scientific Reports</i> , 2018, 8, 9531.	3.3	26
34	Interactive visual analysis of drug-target interaction networks using Drug Target Profiler, with applications to precision medicine and drug repurposing. <i>Briefings in Bioinformatics</i> , 2018, .	6.5	25
35	MicroRNA-Mediated Suppression of Oncolytic Adenovirus Replication in Human Liver. <i>PLoS ONE</i> , 2013, 8, e54506.	2.5	24
36	GMCSF-armed vaccinia virus induces an antitumor immune response. <i>International Journal of Cancer</i> , 2015, 136, 1065-1072.	5.1	23

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37	Pan-RAF inhibition induces apoptosis in acute myeloid leukemia cells and synergizes with BCL2 inhibition. <i>Leukemia</i> , 2020, 34, 3186-3196.	7.2	22
38	T-Cell Therapy Enabling Adenoviruses Coding for IL2 and TNF $\alpha$ Induce Systemic Immunomodulation in Mice With Spontaneous Melanoma. <i>Journal of Immunotherapy</i> , 2016, 39, 343-354.	2.4	21
39	Resistance to Two Heterologous Neurotropic Oncolytic Viruses, Semliki Forest Virus and Vaccinia Virus, in Experimental Glioma. <i>Journal of Virology</i> , 2013, 87, 2363-2366.	3.4	19
40	Attenuated Semliki Forest virus for cancer treatment in dogs: safety assessment in two laboratory Beagles. <i>BMC Veterinary Research</i> , 2015, 11, 170.	1.9	17
41	Syngeneic Syrian hamster tumors feature tumor-infiltrating lymphocytes allowing adoptive cell therapy enhanced by oncolytic adenovirus in a replication permissive setting. <i>Oncolmmunology</i> , 2016, 5, e1136046.	4.6	17
42	Interferon- $\beta$ Sensitivity of Tumor Cells Correlates With Poor Response to VA7 Virotherapy in Mouse Glioma Models. <i>Molecular Therapy</i> , 2012, 20, 1529-1539.	8.2	16
43	Cancer-Targeted Oncolytic Adenoviruses for Modulation of the Immune System. <i>Current Cancer Drug Targets</i> , 2018, 18, 124-138.	1.6	13
44	Safety and biodistribution of a double-deleted oncolytic vaccinia virus encoding CD40 ligand in laboratory Beagles. <i>Molecular Therapy - Oncolytics</i> , 2014, 1, 14002.	4.4	11
45	Semliki Forest virus vectors expressing transforming growth factor beta inhibit experimental autoimmune encephalomyelitis in Balb/c mice. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 776-781.	2.1	9
46	Overcoming tumor resistance by heterologous adeno-poxvirus combination therapy. <i>Molecular Therapy - Oncolytics</i> , 2014, 1, 14006.	4.4	8
47	Minimal information for chemosensitivity assays (MICHA): a next-generation pipeline to enable the FAIRification of drug screening experiments. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	7
48	Pancreatic Cancer Organoids in the Field of Precision Medicine: A Review of Literature and Experience on Drug Sensitivity Testing with Multiple Readouts and Synergy Scoring. <i>Cancers</i> , 2022, 14, 525.	3.7	7
49	Immunohistochemical Characterization and Sensitivity to Human Adenovirus Serotypes 3, 5, and 11p of New Cell Lines Derived from Human Diffuse Grade II to IV Gliomas. <i>Translational Oncology</i> , 2017, 10, 772-779.	3.7	5
50	Incomplete but Infectious Vaccinia Virions Are Produced in the Absence of Oncolysis in Feline SCCF1 Cells. <i>PLoS ONE</i> , 2015, 10, e0120496.	2.5	4
51	Paradox-Breaker Pan-RAF Inhibitors Induce an AML-Specific Cytotoxic Response and Synergize with Venetoclax to Display Superior Antileukemic Activity. <i>Blood</i> , 2018, 132, 2210-2210.	1.4	2
52	Expanding the Utility of Midostaurin in Acute Myeloid Leukemia - Predictive Mutational Signatures in Patient Samples without FLT3 mutations and Clinically Applicable Synergistic Drug Combinations. <i>Blood</i> , 2018, 132, 2743-2743.	1.4	0