

# Niklas Arnberg

## List of Publications by Year in descending order

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52  
papers

3,072  
citations

196777

29  
h-index

206121

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g-index

54  
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54  
docs citations

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times ranked

2452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring divalent conjugates of 5-N-acetyl-neuraminic acid as inhibitors of coxsackievirus A24 variant (CVA24v) transduction. RSC Advances, 2022, 12, 2319-2331.	1.7	0
2	ICTV Virus Taxonomy Profile: Adenoviridae 2022. Journal of General Virology, 2022, 103, .	1.3	76
3	Special Issue "Adenovirus Pathogenesis". Viruses, 2021, 13, 1112.	1.5	1
4	Potential Physiological and Cellular Mechanisms of Exercise That Decrease the Risk of Severe Complications and Mortality Following SARS-CoV-2 Infection. Sports, 2021, 9, 121.	0.7	4
5	Exploring the Effect of Structure-Based Scaffold Hopping on the Inhibition of Coxsackievirus A24v Transduction by Pentavalent N-Acetylneuraminic Acid Conjugates. International Journal of Molecular Sciences, 2021, 22, 8418.	1.8	2
6	Human AdV-20-42-42, a Promising Novel Adenoviral Vector for Gene Therapy and Vaccine Product Development. Journal of Virology, 2021, 95, e0038721.	1.5	5
7	The structure of enteric human adenovirus 41 "A leading cause of diarrhea in children. Science Advances, 2021, 7, .	4.7	40
8	Human species D adenovirus hexon capsid protein mediates cell entry through a direct interaction with CD46. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	45
9	BAF45b Is Required for Efficient Zika Virus Infection of HAP1 Cells. Viruses, 2021, 13, 2007.	1.5	2
10	Pentavalent Sialic Acid Conjugates Block Coxsackievirus A24 Variant and Human Adenovirus Type 37 "Viruses That Cause Highly Contagious Eye Infections. ACS Chemical Biology, 2020, 15, 2683-2691.	1.6	12
11	Lactoferrin-Hexon Interactions Mediate CAR-Independent Adenovirus Infection of Human Respiratory Cells. Journal of Virology, 2020, 94, .	1.5	16
12	Characterizing the cellular attachment receptor for Langkat virus. PLoS ONE, 2019, 14, e0217359.	1.1	6
13	Sialic Acid-Containing Glycans as Cellular Receptors for Ocular Human Adenoviruses: Implications for Tropism and Treatment. Viruses, 2019, 11, 395.	1.5	28
14	Sulfated Glycosaminoglycans as Viral Decoy Receptors for Human Adenovirus Type 37. Viruses, 2019, 11, 247.	1.5	27
15	Decoy Receptor Interactions as Novel Drug Targets against EKC-Causing Human Adenovirus. Viruses, 2019, 11, 242.	1.5	13
16	Polysialic acid is a cellular receptor for human adenovirus 52. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4264-E4273.	3.3	70
17	Interaction of Human Enterochromaffin Cells with Human Enteric Adenovirus 41 Leads to Serotonin Release and Subsequent Activation of Enteric Glia Cells. Journal of Virology, 2018, 92, .	1.5	18
18	Role of enhanced receptor engagement in the evolution of a pandemic acute hemorrhagic conjunctivitis virus. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 397-402.	3.3	43

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19	Glycomics and Proteomics Approaches to Investigate Early Adenovirus-Host Cell Interactions. <i>Journal of Molecular Biology</i> , 2018, 430, 1863-1882.	2.0	25
20	A multigene typing system for human adenoviruses reveals a new genotype in a collection of Swedish clinical isolates. <i>PLoS ONE</i> , 2018, 13, e0209038.	1.1	13
21	Enteric Species F Human Adenoviruses use Laminin-Binding Integrins as Co-Receptors for Infection of Ht-29 Cells. <i>Scientific Reports</i> , 2018, 8, 10019.	1.6	28
22	Generation and characterization of a novel candidate gene therapy and vaccination vector based on human species D adenovirus type 56. <i>Journal of General Virology</i> , 2018, 99, 135-147.	1.3	17
23	Human Adenovirus Type 37 Uses $\alpha 5 \beta 1$ and $\alpha 3 \beta 1$ Integrins for Infection of Human Corneal Cells. <i>Journal of Virology</i> , 2017, 91, .	1.5	28
24	The complete genome sequence of human adenovirus 84, a highly recombinant new Human mastadenovirus D type with a unique fiber gene. <i>Virus Research</i> , 2017, 242, 79-84.	1.1	16
25	Triazole linker-based trivalent sialic acid inhibitors of adenovirus type 37 infection of human corneal epithelial cells. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9194-9205.	1.5	31
26	Human Adenovirus 52 Uses Sialic Acid-containing Glycoproteins and the Coxsackie and Adenovirus Receptor for Binding to Target Cells. <i>PLoS Pathogens</i> , 2015, 11, e1004657.	2.1	57
27	A Sialic Acid Binding Site in a Human Picornavirus. <i>PLoS Pathogens</i> , 2014, 10, e1004401.	2.1	42
28	Adenovirus E3 protein modulates leukocyte functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19976-19977.	3.3	5
29	Adenovirus receptors: implications for targeting of viral vectors. <i>Trends in Pharmacological Sciences</i> , 2012, 33, 442-448.	4.0	146
30	Molecular Wipes: Application to Epidemic Keratoconjunctivitis. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6670-6675.	2.9	14
31	The GD1a glycan is a cellular receptor for adenoviruses causing epidemic keratoconjunctivitis. <i>Nature Medicine</i> , 2011, 17, 105-109.	15.2	188
32	A Potent Trivalent Sialic Acid Inhibitor of Adenovirus Type 37 Infection of Human Corneal Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6519-6521.	7.2	36
33	Coagulation Factor IX Mediates Serotype-Specific Binding of Species A Adenoviruses to Host Cells. <i>Journal of Virology</i> , 2011, 85, 13420-13431.	1.5	22
34	Fiber Mediated Receptor Masking in Non-Infected Bystander Cells Restricts Adenovirus Cell Killing Effect but Promotes Adenovirus Host Co-Existence. <i>PLoS ONE</i> , 2009, 4, e8484.	1.1	18
35	Coagulation Factors IX and X Enhance Binding and Infection of Adenovirus Types 5 and 31 in Human Epithelial Cells. <i>Journal of Virology</i> , 2009, 83, 3816-3825.	1.5	45
36	An Arginine Switch in the Species B Adenovirus Knob Determines High-Affinity Engagement of Cellular Receptor CD46. <i>Journal of Virology</i> , 2009, 83, 673-686.	1.5	53

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37	Adenovirus receptors: implications for tropism, treatment and targeting. <i>Reviews in Medical Virology</i> , 2009, 19, 165-178.	3.9	117
38	Sialic Acid Is a Cellular Receptor for Coxsackievirus A24 Variant, an Emerging Virus with Pandemic Potential. <i>Journal of Virology</i> , 2008, 82, 3061-3068.	1.5	64
39	Adenoviruses Use Lactoferrin as a Bridge for CAR-Independent Binding to and Infection of Epithelial Cells. <i>Journal of Virology</i> , 2007, 81, 954-963.	1.5	57
40	Adenovirus type 11 binding alters the conformation of its receptor CD46. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 164-166.	3.6	86
41	Multivalent sialic acid conjugates inhibit adenovirus type 37 from binding to and infecting human corneal epithelial cells. <i>Antiviral Research</i> , 2007, 73, 92-100.	1.9	35
42	CD46 Is a Cellular Receptor for All Species B Adenoviruses except Types 3 and 7. <i>Journal of Virology</i> , 2005, 79, 14429-14436.	1.5	125
43	Avian influenza and sialic acid receptors: more than meets the eye?. <i>Lancet Infectious Diseases</i> , The, 2005, 5, 184-8.	4.6	92
44	Avian influenza and sialic acid receptors: more than meets the eye?. <i>Lancet Infectious Diseases</i> , The, 2005, 5, 184-188.	4.6	97
45	Crystal Structure of Species D Adenovirus Fiber Knobs and Their Sialic Acid Binding Sites. <i>Journal of Virology</i> , 2004, 78, 7727-7736.	1.5	156
46	Adenovirus Type 11 Uses CD46 as a Cellular Receptor. <i>Journal of Virology</i> , 2003, 77, 9183-9191.	1.5	320
47	Adenovirus Type 37 Uses Sialic Acid as a Cellular Receptor on Chang C Cells. <i>Journal of Virology</i> , 2002, 76, 8834-8841.	1.5	77
48	Adenovirus Type 37 Binds to Cell Surface Sialic Acid Through a Charge-Dependent Interaction. <i>Virology</i> , 2002, 302, 33-43.	1.1	68
49	Initial Interactions of Subgenus D Adenoviruses with A549 Cellular Receptors: Sialic Acid versus $\alpha$ 5 $\beta$ 1 Integrins. <i>Journal of Virology</i> , 2000, 74, 7691-7693.	1.5	125
50	Adenovirus Type 37 Uses Sialic Acid as a Cellular Receptor. <i>Journal of Virology</i> , 2000, 74, 42-48.	1.5	261
51	Adenovirus type 37 uses sialic acid as a cellular receptor. <i>Journal of Virology</i> , 2000, 74, 42-8.	1.5	135
52	Fiber Genes of Adenoviruses with Tropism for the Eye and the Genital Tract. <i>Virology</i> , 1997, 227, 239-244.	1.1	60