

# Glen R Nemerow

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

5,065  
citations

236612

25  
h-index

377514

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

3502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrins $\alpha 3$ and $\alpha 5$ promote adenovirus internalization but not virus attachment. <i>Cell</i> , 1993, 73, 309-319.	13.5	2,215
2	Adenovirus Protein VI Mediates Membrane Disruption following Capsid Disassembly. <i>Journal of Virology</i> , 2005, 79, 1992-2000.	1.5	357
3	Adenovirus Endocytosis Requires Actin Cytoskeleton Reorganization Mediated by Rho Family GTPases. <i>Journal of Virology</i> , 1998, 72, 8806-8812.	1.5	223
4	Adenovirus Endocytosis via $\alpha 3$ Integrins Requires Phosphoinositide-3-OH Kinase. <i>Journal of Virology</i> , 1998, 72, 2055-2061.	1.5	214
5	Crystal Structure of Human Adenovirus at 3.5 Å... Resolution. <i>Science</i> , 2010, 329, 1071-1075.	6.0	206
6	Cell integrins: commonly used receptors for diverse viral pathogens. <i>Trends in Microbiology</i> , 2007, 15, 500-507.	3.5	199
7	Mechanism of Adenovirus Neutralization by Human $\alpha 5$ -Defensins. <i>Cell Host and Microbe</i> , 2008, 3, 11-19.	5.1	164
8	Structure of Adenovirus Complexed with Its Internalization Receptor, $\alpha 5$ Integrin. <i>Journal of Virology</i> , 1999, 73, 6759-6768.	1.5	155
9	Antiviral cyclic d,l- $\alpha$ -peptides: Targeting a general biochemical pathway in virus infections. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 5145-5153.	1.4	119
10	Insight into the Mechanisms of Adenovirus Capsid Disassembly from Studies of Defensin Neutralization. <i>PLoS Pathogens</i> , 2010, 6, e1000959.	2.1	109
11	Visualization of $\alpha$ -Helices in a 6-Ångstrom Resolution Cryoelectron Microscopy Structure of Adenovirus Allows Refinement of Capsid Protein Assignments. <i>Journal of Virology</i> , 2006, 80, 12049-12059.	1.5	106
12	Direct Evidence from Single-Cell Analysis that Human $\alpha 5$ -Defensins Block Adenovirus Uncoating To Neutralize Infection. <i>Journal of Virology</i> , 2010, 84, 4041-4049.	1.5	90
13	Structures and organization of adenovirus cement proteins provide insights into the role of capsid maturation in virus entry and infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11715-11720.	3.3	90
14	Functional Genetic and Biophysical Analyses of Membrane Disruption by Human Adenovirus. <i>Journal of Virology</i> , 2011, 85, 2631-2641.	1.5	82
15	Adenovirus Composition, Proteolysis, and Disassembly Studied by In-depth Qualitative and Quantitative Proteomics. <i>Journal of Biological Chemistry</i> , 2014, 289, 11421-11430.	1.6	81
16	Integrin and Defensin Modulate the Mechanical Properties of Adenovirus. <i>Journal of Virology</i> , 2013, 87, 2756-2766.	1.5	76
17	Complement, viruses, and virus-infected cells. <i>Seminars in Immunopathology</i> , 1983, 6, 327-347.	4.0	64
18	Nuclear Import of Adenovirus DNA Involves Direct Interaction of Hexon with an N-Terminal Domain of the Nucleoporin Nup214. <i>Journal of Virology</i> , 2015, 89, 1719-1730.	1.5	56

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19	Cryo-Electron Microscopy Structure of an Adenovirus-Integrin Complex Indicates Conformational Changes in both Penton Base and Integrin. <i>Journal of Virology</i> , 2009, 83, 11491-11501.	1.5	53
20	Structural Analysis of a Fiber-Pseudotyped Adenovirus with Ocular Tropism Suggests Differential Modes of Cell Receptor Interactions. <i>Journal of Virology</i> , 2001, 75, 5375-5380.	1.5	51
21	Cryo-Electron Microscopy Structure of Adenovirus Type 2 Temperature-Sensitive Mutant 1 Reveals Insight into the Cell Entry Defect. <i>Journal of Virology</i> , 2009, 83, 7375-7383.	1.5	48
22	An Intrinsically Disordered Region of the Adenovirus Capsid Is Implicated in Neutralization by Human Alpha Defensin 5. <i>PLoS ONE</i> , 2013, 8, e61571.	1.1	44
23	Cell growth and matrix invasion of EBV-immortalized human B lymphocytes is regulated by expression of $\beta$ v integrins. <i>Oncogene</i> , 2000, 19, 1915-1923.	2.6	35
24	Isolation and Characterization of the DNA and Protein Binding Activities of Adenovirus Core Protein V. <i>Journal of Virology</i> , 2014, 88, 9287-9296.	1.5	30
25	Adenovirus Tales: From the Cell Surface to the Nuclear Pore Complex. <i>PLoS Pathogens</i> , 2015, 11, e1004821.	2.1	29
26	Inhibition of adenovirus replication by a trisubstituted piperazin-2-one derivative. <i>Antiviral Research</i> , 2014, 108, 65-73.	1.9	26
27	Lessons learned from adenovirus (1970â€“2019). <i>FEBS Letters</i> , 2019, 593, 3395-3418.	1.3	26
28	The Cleaved N-Terminus of pVI Binds Peripentonal Hexons in Mature Adenovirus. <i>Journal of Molecular Biology</i> , 2014, 426, 1971-1979.	2.0	25
29	Insights into Adenovirus Uncoating from Interactions with Integrins and Mediators of Host Immunity. <i>Viruses</i> , 2016, 8, 337.	1.5	24
30	A Single Maturation Cleavage Site in Adenovirus Impacts Cell Entry and Capsid Assembly. <i>Journal of Virology</i> , 2016, 90, 521-532.	1.5	23
31	Revised Crystal Structure of Human Adenovirus Reveals the Limits on Protein IX Quasi-Equivalence and on Analyzing Large Macromolecular Complexes. <i>Journal of Molecular Biology</i> , 2018, 430, 4132-4141.	2.0	20
32	A New Link Between Virus Cell Entry and Inflammation: Adenovirus Interaction With Integrins Induces Specific Proinflammatory Responses. <i>Molecular Therapy</i> , 2009, 17, 1490-1491.	3.7	14
33	Reply to Campos: Revised structures of adenovirus cement proteins represent a consensus model for understanding virus assembly and disassembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4544-5.	3.3	7
34	Structure of a Cell Entry Defective Human Adenovirus Provides Insights into Precursor Proteins and Capsid Maturation. <i>Journal of Molecular Biology</i> , 2022, 434, 167350.	2.0	4
35	CryoEM Based Models for Adenovirus Neutralization by Human Alpha-Defensin 5. <i>Microscopy and Microanalysis</i> , 2014, 20, 1406-1407.	0.2	0