Erich R Mackow

List of Publications by Citations

49 papers	2,311 citations	28 h-index	48 g-index
51 ext. papers	2,555 ext. citations	6.1 avg, IF	5.12 L-index

#	Paper	IF	Citations
49	Cellular entry of hantaviruses which cause hemorrhagic fever with renal syndrome is mediated by beta3 integrins. *Journal of Virology*, **1999**, 73, 3951-9	6.6	231
48	Pathogenic and nonpathogenic hantaviruses differentially regulate endothelial cell responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 13837-42	11.5	164
47	The nucleotide sequence of dengue type 4 virus: analysis of genes coding for nonstructural proteins. *Virology*, **1987**, 159, 217-28	3.6	138
46	Dengue Virus NS Proteins Inhibit RIG-I/MAVS Signaling by Blocking TBK1/IRF3 Phosphorylation: Dengue Virus Serotype 1 NS4A Is a Unique Interferon-Regulating Virulence Determinant. *MBio*, **2015**, 6, e00553-15	7.8	120
45	Hantaviruses direct endothelial cell permeability by sensitizing cells to the vascular permeability factor VEGF, while angiopoietin 1 and sphingosine 1-phosphate inhibit hantavirus-directed permeability. *Journal of Virology*, **2008**, 82, 5797-806	6.6	119
44	The pathogenic NY-1 hantavirus G1 cytoplasmic tail inhibits RIG-I- and TBK-1-directed interferon responses. *Journal of Virology*, **2006**, 80, 9676-86	6.6	119
43	Hantavirus regulation of endothelial cell functions. *Thrombosis and Haemostasis*, **2009**, 102, 1030-41	7	115
42	Pathogenic hantaviruses direct the adherence of quiescent platelets to infected endothelial cells. *Journal of Virology*, **2010**, 84, 4832-9	6.6	87
41	Pathogenic hantaviruses bind plexin-semaphorin-integrin domains present at the apex of inactive, bent alphavbeta3 integrin conformers. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 1163-8	11.5	86
40	Productive dengue virus infection of human endothelial cells is directed by heparan sulfate-containing proteoglycan receptors. *Journal of Virology*, **2011**, 85, 9478-85	6.6	82
39	The NY-1 hantavirus Gn cytoplasmic tail coprecipitates TRAF3 and inhibits cellular interferon responses by disrupting TBK1-TRAF3 complex formation. *Journal of Virology*, **2008**, 82, 9115-22	6.6	78
38	Endothelial cells elicit immune-enhancing responses to dengue virus infection. *Journal of Virology*, **2012**, 86, 6408-15	6.6	73
37	Zika Virus Persistently Infects and Is Basolaterally Released from Primary Human Brain Microvascular Endothelial Cells. *MBio*, **2017**, 8,	7.8	69
36	Pathogenic hantaviruses Andes virus and Hantaan virus induce adherens junction disassembly by directing vascular endothelial cadherin internalization in human endothelial cells. *Journal of Virology*, **2010**, 84, 7405-11	6.6	65
35	VEGFR2 and Src kinase inhibitors suppress Andes virus-induced endothelial cell permeability. *Journal of Virology*, **2011**, 85, 2296-303	6.6	56
34	Hantavirus pulmonary syndrome-associated hantaviruses contain conserved and functional ITAM signaling elements. *Journal of Virology*, **2003**, 77, 1638-43	6.6	48
33	Recombinant ACE2 Expression Is Required for SARS-CoV-2 To Infect Primary Human Endothelial Cells and Induce Inflammatory and Procoagulative Responses. *MBio*, **2020**, 11,	7.8	45

32	Virus interactions with endothelial cell receptors: implications for viral pathogenesis. *Current Opinion in Virology*, **2014**, 7, 134-40	7.5	45
31	Elevated VEGF Levels in Pulmonary Edema Fluid and PBMCs from Patients with Acute Hantavirus Pulmonary Syndrome. *Advances in Virology*, **2012**, 2012, 674360	1.9	43
30	Andes virus regulation of cellular microRNAs contributes to hantavirus-induced endothelial cell permeability. *Journal of Virology*, **2010**, 84, 11929-36	6.6	43
29	Roles for endothelial cells in dengue virus infection. *Advances in Virology*, **2012**, 2012, 840654	1.9	38
28	Andes virus recognition of human and Syrian hamster beta3 integrins is determined by an L33P substitution in the PSI domain. *Journal of Virology*, **2010**, 84, 352-60	6.6	37
27	Hantavirus GnT elements mediate TRAF3 binding and inhibit RIG-I/TBK1-directed beta interferon transcription by blocking IRF3 phosphorylation. *Journal of Virology*, **2014**, 88, 2246-59	6.6	35
26	An innate immunity-regulating virulence determinant is uniquely encoded by the Andes virus nucleocapsid protein. *MBio*, **2014**, 5,	7.8	31
25	Degrons at the C terminus of the pathogenic but not the nonpathogenic hantavirus G1 tail direct proteasomal degradation. *Journal of Virology*, **2007**, 81, 4323-30	6.6	31
24	Tyrosine residues direct the ubiquitination and degradation of the NY-1 hantavirus G1 cytoplasmic tail. *Journal of Virology*, **2003**, 77, 10760-868	6.6	31
23	The C-terminal 42 residues of the Tula virus Gn protein regulate interferon induction. *Journal of Virology*, **2011**, 85, 4752-60	6.6	29
22	Endothelial cell dysfunction in viral hemorrhage and edema. *Frontiers in Microbiology*, **2014**, 5, 733	5.7	28
21	Hantavirus regulation of type I interferon responses. *Advances in Virology*, **2012**, 2012, 524024	1.9	27
20	New York 1 and Sin Nombre viruses are serotypically distinct viruses associated with hantavirus pulmonary syndrome. *Journal of Clinical Microbiology*, **1999**, 37, 122-6	9.7	25
19	Hantavirus interferon regulation and virulence determinants. *Virus Research*, **2014**, 187, 65-71	6.4	20
18	The Role of the Endothelium in HPS Pathogenesis and Potential Therapeutic Approaches. *Advances in Virology*, **2012**, 2012, 467059	1.9	20
17	Pathogenesis of the hantavirus pulmonary syndrome. *Future Virology*, **2012**, 7, 41-51	2.4	19
16	Slit2-Robo4 receptor responses inhibit ANDV directed permeability of human lung microvascular endothelial cells. *Antiviral Research*, **2013**, 99, 108-12	10.8	18
15	Sequence analysis of the complete S genomic segment of a newly identified hantavirus isolated from the white-footed mouse (Peromyscus leucopus): phylogenetic relationship with other sigmodontine rodent-borne hantaviruses. *Virus Genes*, **1996**, 12, 249-56	2.3	16

14	The Andes Virus Nucleocapsid Protein Directs Basal Endothelial Cell Permeability by Activating RhoA. *MBio*, **2016**, 7,	7.8	15
13	Andes virus infection of lymphatic endothelial cells causes giant cell and enhanced permeability responses that are rapamycin and vascular endothelial growth factor C sensitive. *Journal of Virology* , **2012**, 86, 8765-72	6.6	15
12	Hypoxia induces permeability and giant cell responses of Andes virus-infected pulmonary endothelial cells by activating the mTOR-S6K signaling pathway. *Journal of Virology*, **2013**, 87, 12999-3008	6.6	13
11	Role of vascular and lymphatic endothelial cells in hantavirus pulmonary syndrome suggests targeted therapeutic approaches. *Lymphatic Research and Biology*, **2013**, 11, 128-35	2.3	12
10	Unique Interferon Pathway Regulation by the Andes Virus Nucleocapsid Protein Is Conferred by Phosphorylation of Serine 386. *Journal of Virology*, **2019**, 93,	6.6	8
9	NS5 Sumoylation Directs Nuclear Responses That Permit Zika Virus To Persistently Infect Human Brain Microvascular Endothelial Cells. *Journal of Virology*, **2020**, 94,	6.6	8
8	Interferon-Lambda Intranasal Protection and Differential Sex Pathology in a Murine Model of SARS-CoV-2 Infection. *MBio*, **2021**, e0275621	7.8	5
7	Blockade of Autocrine CCL5 Responses Inhibits Zika Virus Persistence and Spread in Human Brain Microvascular Endothelial Cells. *MBio*, **2021**, 12, e0196221	7.8	2
6	Powassan Viruses Spread Cell to Cell During Direct Isolation from Ticks and Persistently Infect Human Brain Endothelial Cells and Pericytes. *Journal of Virology*, **2021**, JVI0168221	6.6	1
5	Binding of the Andes Virus Nucleocapsid Protein to RhoGDI Induces the Release and Activation of the Permeability Factor RhoA		1
4	Novel infection of pericytes by Andes virus enhances endothelial cell permeability. *Virus Research*, **2021**, 306, 198584	6.4	
3	Measuring Transendothelial Electrical Resistance (TEER) for Dengue Infection Studies. *Methods in Molecular Biology*, **2022**, 2409, 197-205	1.4	
2	Hantavirus Infection and Innate Immunity **2009**, 247-268		
1	Binding of the Andes Virus Nucleocapsid Protein to RhoGDI Induces the Release and Activation of the Permeability Factor RhoA. *Journal of Virology*, **2021**, 95, e0039621	6.6	