# Matthew J Evans

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 56 papers | 8,559 citations | 33 h-index | 57 g-index |
| 57 ext. papers | 9,419 ext. citations | 11.5 avg, IF | 5.49 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 56 | Complete replication of hepatitis C virus in cell culture. *Science*, **2005**, 309, 623-6 | 33.3 | 1904 |
| 55 | Claudin-1 is a hepatitis C virus co-receptor required for a late step in entry. *Nature*, **2007**, 446, 801-5 | 50.4 | 970 |
| 54 | Human occludin is a hepatitis C virus entry factor required for infection of mouse cells. *Nature*, **2009**, 457, 882-6 | 50.4 | 738 |
| 53 | Zika Virus Targets Human STAT2 to Inhibit Type I Interferon Signaling. *Cell Host and Microbe*, **2016**, 19, 882-90 | 23.4 | 522 |
| 52 | Time- and temperature-dependent activation of hepatitis C virus for low-pH-triggered entry. *Journal of Virology*, **2006**, 80, 1734-41 | 6.6 | 318 |
| 51 | High-throughput assessment of microRNA activity and function using microRNA sensor and decoy libraries. *Nature Methods*, **2012**, 9, 840-6 | 21.6 | 299 |
| 50 | Phosphorylation of hepatitis C virus nonstructural protein 5A modulates its protein interactions and viral RNA replication. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 13038-43 | 11.5 | 265 |
| 49 | Human broadly neutralizing antibodies to the envelope glycoprotein complex of hepatitis C virus. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6205-10 | 11.5 | 256 |
| 48 | N6-Methyladenosine in Flaviviridae Viral RNA Genomes Regulates Infection. *Cell Host and Microbe*, **2016**, 20, 654-665 | 23.4 | 244 |
| 47 | Insertion of green fluorescent protein into nonstructural protein 5A allows direct visualization of functional hepatitis C virus replication complexes. *Journal of Virology*, **2004**, 78, 7400-9 | 6.6 | 213 |
| 46 | Cell culture-produced hepatitis C virus does not infect peripheral blood mononuclear cells. *Hepatology*, **2008**, 48, 1843-50 | 11.2 | 205 |
| 45 | Mitochondrial DNA genotypes in nuclear transfer-derived cloned sheep. *Nature Genetics*, **1999**, 23, 90-3 | 36.3 | 186 |
| 44 | A novel Zika virus mouse model reveals strain specific differences in virus pathogenesis and host inflammatory immune responses. *PLoS Pathogens*, **2017**, 13, e1006258 | 7.6 | 158 |
| 43 | CD81 is dispensable for hepatitis C virus cell-to-cell transmission in hepatoma cells. *Journal of General Virology*, **2009**, 90, 48-58 | 4.9 | 147 |
| 42 | Superinfection exclusion in cells infected with hepatitis C virus. *Journal of Virology*, **2007**, 81, 3693-703 | 6.6 | 119 |
| 41 | Studying hepatitis C virus: making the best of a bad virus. *Journal of Virology*, **2007**, 81, 8853-67 | 6.6 | 113 |
| 40 | HepG2 cells expressing microRNA miR-122 support the entire hepatitis C virus life cycle. *Journal of Virology*, **2011**, 85, 12087-92 | 6.6 | 107 |

| | | | |
|---|---|---|---|
| 39 | Evidence for a functional RNA element in the hepatitis C virus core gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 2879-84 | 11.5 | 106 |
| 38 | Neutralizing monoclonal antibodies against hepatitis C virus E2 protein bind discontinuous epitopes and inhibit infection at a postattachment step. *Journal of Virology*, **2011**, 85, 7005-19 | 6.6 | 102 |
| 37 | Rescue of the 1947 Zika Virus Prototype Strain with a Cytomegalovirus Promoter-Driven cDNA Clone. *MSphere*, **2016**, 1, | 5 | 78 |
| 36 | Hepatitis C virus host cell entry. *Current Opinion in Virology*, **2012**, 2, 14-9 | 7.5 | 71 |
| 35 | Hepatitis C virus envelope glycoprotein immunization of rodents elicits cross-reactive neutralizing antibodies. *Vaccine*, **2007**, 25, 7773-84 | 4.1 | 70 |
| 34 | Human antibodies targeting Zika virus NS1 provide protection against disease in a mouse model. *Nature Communications*, **2018**, 9, 4560 | 17.4 | 61 |
| 33 | Temporal analysis of hepatitis C virus cell entry with occludin directed blocking antibodies. *PLoS Pathogens*, **2013**, 9, e1003244 | 7.6 | 59 |
| 32 | Hepatitis C virus genetics affects miR-122 requirements and response to miR-122 inhibitors. *Nature Communications*, **2014**, 5, 5408 | 17.4 | 54 |
| 31 | HepG2 cells mount an effective antiviral interferon-lambda based innate immune response to hepatitis C virus infection. *Hepatology*, **2014**, 60, 1170-9 | 11.2 | 52 |
| 30 | Species-specific regions of occludin required by hepatitis C virus for cell entry. *Journal of Virology*, **2010**, 84, 11696-708 | 6.6 | 45 |
| 29 | Determinants of the hepatitis C virus nonstructural protein 2 protease domain required for production of infectious virus. *Journal of Virology*, **2009**, 83, 12702-13 | 6.6 | 45 |
| 28 | KDR identifies a conserved human and murine hepatic progenitor and instructs early liver development. *Cell Stem Cell*, **2013**, 12, 748-60 | 18 | 39 |
| 27 | Hepatic cells derived from induced pluripotent stem cells of pigtail macaques support hepatitis C virus infection. *Gastroenterology*, **2013**, 145, 966-969.e7 | 13.3 | 36 |
| 26 | Internal initiation stimulates production of p8 minicore, a member of a newly discovered family of hepatitis C virus core protein isoforms. *Journal of Virology*, **2009**, 83, 3104-14 | 6.6 | 36 |
| 25 | Selection of a hepatitis C virus with altered entry factor requirements reveals a genetic interaction between the E1 glycoprotein and claudins. *Hepatology*, **2015**, 62, 1059-69 | 11.2 | 33 |
| 24 | Genetic interactions between hepatitis C virus replicons. *Journal of Virology*, **2004**, 78, 12085-9 | 6.6 | 33 |
| 23 | Single point mutations in the zinc finger motifs of the human immunodeficiency virus type 1 nucleocapsid alter RNA binding specificities of the gag protein and enhance packaging and infectivity. *Journal of Virology*, **2005**, 79, 7756-67 | 6.6 | 31 |
| 22 | Zika Virus Subverts Stress Granules To Promote and Restrict Viral Gene Expression. *Journal of Virology*, **2019**, 93, | 6.6 | 28 |

| | | | |
|---|---|---|---|
| 21 | Transposon Mutagenesis of the Zika Virus Genome Highlights Regions Essential for RNA Replication and Restricted for Immune Evasion. *Journal of Virology*, **2017**, 91, | 6.6 | 23 |
| 20 | Viral Determinants of miR-122-Independent Hepatitis C Virus Replication. *MSphere*, **2016**, 1, | 5 | 20 |
| 19 | miR-122 is more than a shield for the hepatitis C virus genome. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1571-2 | 11.5 | 19 |
| 18 | RNA sequences in the Moloney murine leukemia virus genome bound by the Gag precursor protein in the yeast three-hybrid system. *Journal of Virology*, **2004**, 78, 7677-84 | 6.6 | 18 |
| 17 | Structural basis for STAT2 suppression by flavivirus NS5. *Nature Structural and Molecular Biology*, **2020**, 27, 875-885 | 17.6 | 18 |
| 16 | Hepatitis C Virus Indirectly Disrupts DNA Damage-Induced p53 Responses by Activating Protein Kinase R. *MBio*, **2017**, 8, | 7.8 | 17 |
| 15 | Transdominant inhibition of bovine viral diarrhea virus entry. *Journal of Virology*, **2008**, 82, 2427-36 | 6.6 | 14 |
| 14 | Lyn kinase regulates egress of flaviviruses in autophagosome-derived organelles. *Nature Communications*, **2020**, 11, 5189 | 17.4 | 13 |
| 13 | Deep Mutational Scanning Comprehensively Maps How Zika Envelope Protein Mutations Affect Viral Growth and Antibody Escape. *Journal of Virology*, **2019**, 93, | 6.6 | 12 |
| 12 | The accelerating pace of HCV research: a summary of the 15th International Symposium on Hepatitis C Virus And Related Viruses. *Gastroenterology*, **2009**, 136, 9-16 | 13.3 | 10 |
| 11 | A Library of Infectious Hepatitis C Viruses with Engineered Mutations in the E2 Gene Reveals Growth-Adaptive Mutations That Modulate Interactions with Scavenger Receptor Class B Type I. *Journal of Virology*, **2016**, 90, 10499-10512 | 6.6 | 10 |
| 10 | An Influenza Virus Entry Inhibitor Targets Class II PI3 Kinase and Synergizes with Oseltamivir. *ACS Infectious Diseases*, **2019**, 5, 1779-1793 | 5.5 | 8 |
| 9 | Human Monoclonal Antibodies Potently Neutralize Zika Virus and Select for Escape Mutations on the Lateral Ridge of the Envelope Protein. *Journal of Virology*, **2019**, 93, | 6.6 | 8 |
| 8 | Probing Zika Virus Neutralization Determinants with Glycoprotein Mutants Bearing Linear Epitope Insertions. *Journal of Virology*, **2018**, 92, | 6.6 | 6 |
| 7 | Early T follicular helper cell activity accelerates hepatitis C virus-specific B cell expansion. *Journal of Clinical Investigation*, **2021**, 131, | 15.9 | 5 |
| 6 | Hepatitis C virus replicons finally get to second base. *Gastroenterology*, **2003**, 125, 1892-5 | 13.3 | 3 |
| 5 | CyTOF Profiling of Zika and Dengue Virus-Infected Human Peripheral Blood Mononuclear Cells Identifies Phenotypic Signatures of Monotype Subsets and Upregulation of the Interferon-Inducible Protein CD169. *MSphere*, **2021**, 6, e0050521 | 5 | 2 |
| 4 | Liver capsule: Hepatitis C virus host cell entry. *Hepatology*, **2016**, 63, 1013 | 11.2 | 1 |

# List of Publications

| | | |
|---|---|---|
| 3 | Zika Virus Subverts Stress Granules to Promote and Restrict Viral Gene Expression | 1 |
| 2 | Deep mutational scanning comprehensively maps how Zika envelope protein mutations affect viral growth and antibody escape | 1 |
| 1 | Deep Mutational Scanning to Map How Zika Envelope Protein Mutations Affect Viral Growth and Antibody Escape. *Proceedings (mdpi)*, **2020**, 50, 93 | 0.3 |