

# Larry J Anderson

## List of Publications by Year in descending order

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86  
papers

12,386  
citations

61945

43  
h-index

58549

82  
g-index

89  
all docs

89  
docs citations

89  
times ranked

11883  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Mortality Associated With Influenza and Respiratory Syncytial Virus in the United States. <i>JAMA - Journal of the American Medical Association</i> , 2003, 289, 179.  | 3.8 | 3,197     |
| 2  | Characterization of a Novel Coronavirus Associated with Severe Acute Respiratory Syndrome. <i>Science</i> , 2003, 300, 1394-1399.  | 6.0 | 2,238     |
| 3  | Pattern recognition receptors TLR4 and CD14 mediate response to respiratory syncytial virus. <i>Nature Immunology</i> , 2000, 1, 398-401.  | 7.0 | 1,482     |
| 4  | Hospitalizations Associated With Influenza and Respiratory Syncytial Virus in the United States, 1993-2008. <i>Clinical Infectious Diseases</i> , 2012, 54, 1427-1436.   | 2.9 | 475       |
| 5  | Involvement of Toll-Like Receptor 4 in Innate Immunity to Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2001, 75, 10730-10737.   | 1.5 | 447       |
| 6  | CX3C chemokine mimicry by respiratory syncytial virus G glycoprotein. <i>Nature Immunology</i> , 2001, 2, 732-738.   | 7.0 | 380       |
| 7  | Respiratory Syncytial Virus-associated Hospitalizations Among Infants and Young Children in the United States, 1997-2006. <i>Pediatric Infectious Disease Journal</i> , 2012, 31, 5-9.   | 1.1 | 286       |
| 8  | Real-Time Reverse Transcription-Polymerase Chain Reaction Assay for SARS-associated Coronavirus. <i>Emerging Infectious Diseases</i> , 2004, 10, 311-316.  | 2.0 | 279       |
| 9  | Application of TaqMan Low-Density Arrays for Simultaneous Detection of Multiple Respiratory Pathogens. <i>Journal of Clinical Microbiology</i> , 2011, 49, 2175-2182.  | 1.8 | 201       |
| 10 | Substantial variability in community respiratory syncytial virus season timing. <i>Pediatric Infectious Disease Journal</i> , 2003, 22, 857-863.   | 1.1 | 160       |
| 11 | Potency Analysis of Mesenchymal Stromal Cells Using a Combinatorial Assay Matrix Approach. <i>Cell Reports</i> , 2018, 22, 2504-2517.  | 2.9 | 150       |
| 12 | Respiratory Syncytial Virus G and/or SH Protein Alters Th1 Cytokines, Natural Killer Cells, and Neutrophils Responding to Pulmonary Infection in BALB/c Mice. <i>Journal of Virology</i> , 1999, 73, 7099-7107.  | 1.5 | 145       |
| 13 | Respiratory Syncytial Virus G Protein and G Protein CX3C Motif Adversely Affect CX3CR1+ T Cell Responses. <i>Journal of Immunology</i> , 2006, 176, 1600-1608.   | 0.4 | 127       |
| 14 | Therapeutic Monoclonal Antibody Treatment Targeting Respiratory Syncytial Virus (RSV) G Protein Mediates Viral Clearance and Reduces the Pathogenesis of RSV Infection in BALB/c Mice. <i>Journal of Infectious Diseases</i> , 2009, 200, 439-447.             | 1.9 | 115       |
| 15 | CX3CR1 is an important surface molecule for respiratory syncytial virus infection in human airway epithelial cells. <i>Journal of General Virology</i> , 2015, 96, 2543-2556.  | 1.3 | 110       |
| 16 | Enhanced Disease and Pulmonary Eosinophilia Associated with Formalin-Inactivated Respiratory Syncytial Virus Vaccination Are Linked to G Glycoprotein CX3C-CX3CR1 Interaction and Expression of Substance P. <i>Journal of Virology</i> , 2003, 77, 9831-9844. | 1.5 | 109       |
| 17 | Protective Activity of a Human Respiratory Syncytial Virus Immune Globulin Prepared from Donors Screened by Microneutralization Assay. <i>Journal of Infectious Diseases</i> , 1992, 165, 456-463.   | 1.9 | 106       |
| 18 | Respiratory Syncytial Virus G and/or SH Glycoproteins Modify CC and CXC Chemokine mRNA Expression in the BALB/c Mouse. <i>Journal of Virology</i> , 2000, 74, 6227-6229.   | 1.5 | 89        |

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|----|---|-----|-----------|
| 19 | Potent High-Affinity Antibodies for Treatment and Prophylaxis of Respiratory Syncytial Virus Derived from B Cells of Infected Patients. <i>Journal of Immunology</i> , 2009, 183, 6338-6345.  | 0.4 | 87        |
| 20 | Vaccination To Induce Antibodies Blocking the CX3C-CX3CR1 Interaction of Respiratory Syncytial Virus G Protein Reduces Pulmonary Inflammation and Virus Replication in Mice. <i>Journal of Virology</i> , 2010, 84, 1148-1157.  | 1.5 | 87        |
| 21 | Differences in the Nasopharyngeal Microbiome During Acute Respiratory Tract Infection With Human Rhinovirus and Respiratory Syncytial Virus in Infancy. <i>Journal of Infectious Diseases</i> , 2016, 214, 1924-1928.   | 1.9 | 84        |
| 22 | Respiratory Syncytial Virus G Protein CX3C Motif Impairs Human Airway Epithelial and Immune Cell Responses. <i>Journal of Virology</i> , 2013, 87, 13466-13479.   | 1.5 | 82        |
| 23 | The G Glycoprotein of Respiratory Syncytial Virus Depresses Respiratory Rates through the CX3C Motif and Substance P. <i>Journal of Virology</i> , 2003, 77, 6580-6584.   | 1.5 | 81        |
| 24 | Respiratory Syncytial Virus Infection and G and/or SH Protein Expression Contribute to Substance P, Which Mediates Inflammation and Enhanced Pulmonary Disease in BALB/c Mice. <i>Journal of Virology</i> , 2000, 74, 1614-1622.  | 1.5 | 77        |
| 25 | Peripheral Blood Mononuclear Cells from Infants Hospitalized Because of Respiratory Syncytial Virus Infection Express T Helper <sup>1</sup> and T Helper <sup>2</sup> Cytokines and CC Chemokine Messenger RNA. <i>Journal of Infectious Diseases</i> , 2002, 185, 1388-1394. | 1.9 | 77        |
| 26 | Respiratory Syncytial Virus whole-genome sequencing identifies convergent evolution of sequence duplication in the C-terminus of the G gene. <i>Scientific Reports</i> , 2016, 6, 26311.  | 1.6 | 77        |
| 27 | Nasopharyngeal Lactobacillus is associated with a reduced risk of childhood wheezing illnesses following acute respiratory syncytial virus infection in infancy. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1447-1456.e9.                                 | 1.5 | 74        |
| 28 | The Morphology and Assembly of Respiratory Syncytial Virus Revealed by Cryo-Electron Tomography. <i>Viruses</i> , 2018, 10, 446.  | 1.5 | 69        |
| 29 | Interference Between Respiratory Syncytial Virus and Human Rhinovirus Infection in Infancy. <i>Journal of Infectious Diseases</i> , 2017, 215, 1102-1106.   | 1.9 | 68        |
| 30 | Treatment with respiratory syncytial virus G glycoprotein monoclonal antibody or F(ab <sup>2</sup> ) <sub>2</sub> components mediates reduced pulmonary inflammation in mice. <i>Journal of General Virology</i> , 2009, 90, 1119-1123.                                       | 1.3 | 64        |
| 31 | Prophylactic Treatment with a G Glycoprotein Monoclonal Antibody Reduces Pulmonary Inflammation in Respiratory Syncytial Virus (RSV)-Challenged Naïve and Formalin-Inactivated RSV-Immunized BALB/c Mice. <i>Journal of Virology</i> , 2010, 84, 9632-9636.                   | 1.5 | 64        |
| 32 | Nasopharyngeal Microbiome in Respiratory Syncytial Virus Resembles Profile Associated with Increased Childhood Asthma Risk. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1180-1183.   | 2.5 | 63        |
| 33 | An anti-G protein monoclonal antibody treats RSV disease more effectively than an anti-F monoclonal antibody in BALB/c mice. <i>Virology</i> , 2015, 483, 117-125.  | 1.1 | 60        |
| 34 | Infant Viral Respiratory Infection Nasal Immune-Response Patterns and Their Association with Subsequent Childhood Recurrent Wheeze. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1064-1073.   | 2.5 | 56        |
| 35 | Minimally Invasive Sampling Method Identifies Differences in Taxonomic Richness of Nasal Microbiomes in Young Infants Associated with Mode of Delivery. <i>Microbial Ecology</i> , 2016, 71, 233-242.   | 1.4 | 54        |
| 36 | A Respiratory Syncytial Virus (RSV) Anti-G Protein F(ab <sup>2</sup> ) <sub>2</sub> Monoclonal Antibody Suppresses Mucous Production and Breathing Effort in RSV rA2-line19F-Infected BALB/c Mice. <i>Journal of Virology</i> , 2013, 87, 10955-10967.                        | 1.5 | 53        |

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|----|--|-----|-----------|
| 37 | Respiratory syncytial virus vaccine development. <i>Seminars in Immunology</i> , 2013, 25, 160-171.  | 2.7 | 50        |
| 38 | Challenges and opportunities in RSV vaccine development: Meeting report from FDA/NIH workshop. <i>Vaccine</i> , 2016, 34, 4843-4849.   | 1.7 | 49        |
| 39 | Challenges and Opportunities for Respiratory Syncytial Virus Vaccines. <i>Current Topics in Microbiology and Immunology</i> , 2013, 372, 391-404.  | 0.7 | 48        |
| 40 | Prophylaxis with a Respiratory Syncytial Virus (RSV) Anti-G Protein Monoclonal Antibody Shifts the Adaptive Immune Response to RSV rA2-line19F Infection from Th2 to Th1 in BALB/c Mice. <i>Journal of Virology</i> , 2014, 88, 10569-10583. | 1.5 | 48        |
| 41 | Nanoparticle Vaccines Encompassing the Respiratory Syncytial Virus (RSV) G Protein CX3C Chemokine Motif Induce Robust Immunity Protecting from Challenge and Disease. <i>PLoS ONE</i> , 2013, 8, e74905.                                     | 1.1 | 46        |
| 42 | Human Rhinovirus Induced Cytokine/Chemokine Responses in Human Airway Epithelial and Immune Cells. <i>PLoS ONE</i> , 2014, 9, e114322.   | 1.1 | 46        |
| 43 | Objectives, design and enrollment results from the Infant Susceptibility to Pulmonary Infections and Asthma Following RSV Exposure Study (INSPIRE). <i>BMC Pulmonary Medicine</i> , 2015, 15, 45.  | 0.8 | 45        |
| 44 | Immune dysfunctionality of replicative senescent mesenchymal stromal cells is corrected by IFN $\gamma$ priming. <i>Blood Advances</i> , 2017, 1, 628-643.   | 2.5 | 43        |
| 45 | Biology of Infection and Disease Pathogenesis to Guide RSV Vaccine Development. <i>Frontiers in Immunology</i> , 2019, 10, 1675.   | 2.2 | 39        |
| 46 | Combination Therapy Using Monoclonal Antibodies against Respiratory Syncytial Virus (RSV) G Glycoprotein Protects from RSV Disease in BALB/c Mice. <i>PLoS ONE</i> , 2012, 7, e51485.  | 1.1 | 37        |
| 47 | Anti-respiratory syncytial virus (RSV) G monoclonal antibodies reduce lung inflammation and viral lung titers when delivered therapeutically in a BALB/c mouse model. <i>Antiviral Research</i> , 2018, 154, 149-157.                        | 1.9 | 36        |
| 48 | Response to Rhinovirus Infection by Human Airway Epithelial Cells and Peripheral Blood Mononuclear Cells in an In Vitro Two-Chamber Tissue Culture System. <i>PLoS ONE</i> , 2013, 8, e66600.  | 1.1 | 35        |
| 49 | Detection of respiratory syncytial virus defective genomes in nasal secretions is associated with distinct clinical outcomes. <i>Nature Microbiology</i> , 2021, 6, 672-681.   | 5.9 | 35        |
| 50 | Evaluation of the Calu-3 cell line as a model of in vitro respiratory syncytial virus infection. <i>Journal of Virological Methods</i> , 2011, 174, 144-149.   | 1.0 | 33        |
| 51 | The development and kinetics of functional antibody-dependent cell-mediated cytotoxicity (ADCC) to SARS-CoV-2 spike protein. <i>Virology</i> , 2021, 559, 1-9.   | 1.1 | 29        |
| 52 | Using urine metabolomics to understand the pathogenesis of infant respiratory syncytial virus (RSV) infection and its role in childhood wheezing. <i>Metabolomics</i> , 2018, 14, 135.   | 1.4 | 28        |
| 53 | The Central Conserved Region (CCR) of Respiratory Syncytial Virus (RSV) G Protein Modulates Host miRNA Expression and Alters the Cellular Response to Infection. <i>Vaccines</i> , 2017, 5, 16.  | 2.1 | 25        |
| 54 | Exclusive breast-feeding, the early-life microbiome and immune response, and common childhood respiratory illnesses. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 612-621.   | 1.5 | 23        |

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|----|---|-----|-----------|
| 55 | Recombinant Protein-Based Assays for Detection of Antibodies to Severe Acute Respiratory Syndrome Coronavirus Spike and Nucleocapsid Proteins. <i>Vaccine Journal</i> , 2007, 14, 331-333.                              | 3.2 | 22        |
| 56 | A Built-In CpG Adjuvant in RSV F Protein DNA Vaccine Drives a Th1 Polarized and Enhanced Protective Immune Response. <i>Viruses</i> , 2018, 10, 38.   | 1.5 | 22        |
| 57 | Functional Features of the Respiratory Syncytial Virus G Protein. <i>Viruses</i> , 2021, 13, 1214.  | 1.5 | 21        |
| 58 | Decrease in Formalin-Inactivated Respiratory Syncytial Virus (FI-RSV) Enhanced Disease with RSV G Glycoprotein Peptide Immunization in BALB/c Mice. <i>PLoS ONE</i> , 2013, 8, e83075.                                  | 1.1 | 17        |
| 59 | Original antigenic sin responses to Betacoronavirus spike proteins are observed in a mouse model, but are not apparent in children following SARS-CoV-2 infection. <i>PLoS ONE</i> , 2021, 16, e0256482.                | 1.1 | 16        |
| 60 | Effect of Infant RSV Infection on Memory T Cell Responses at Age 2-3 Years. <i>Frontiers in Immunology</i> , 2022, 13, 826666.  | 2.2 | 16        |
| 61 | Development of a recombinant truncated nucleocapsid protein based immunoassay for detection of antibodies against human coronavirus OC43. <i>Journal of Virological Methods</i> , 2011, 177, 100-106.                   | 1.0 | 15        |
| 62 | Mutation of Respiratory Syncytial Virus G Protein's CX3C Motif Attenuates Infection in Cotton Rats and Primary Human Airway Epithelial Cells. <i>Vaccines</i> , 2019, 7, 69.  | 2.1 | 15        |
| 63 | CX3CR1 Engagement by Respiratory Syncytial Virus Leads to Induction of Nucleolin and Dysregulation of Cilium-Related Genes. <i>Journal of Virology</i> , 2021, 95, .  | 1.5 | 14        |
| 64 | Nasopharyngeal Haemophilus and local immune response during infant respiratory syncytial virus infection. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1097-1101.e6.                                  | 1.5 | 12        |
| 65 | Metabolic Reprogramming of Nasal Airway Epithelial Cells Following Infant Respiratory Syncytial Virus Infection. <i>Viruses</i> , 2021, 13, 2055.   | 1.5 | 12        |
| 66 | Upper respiratory tract bacterial-immune interactions during respiratory syncytial virus infection in infancy. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 966-976.                                  | 1.5 | 11        |
| 67 | RSV Strains and Disease Severity. <i>Journal of Infectious Diseases</i> , 2019, 219, 514-516.   | 1.9 | 10        |
| 68 | MUC5AC Levels Associated With Respiratory Syncytial Virus Disease Severity. <i>Clinical Infectious Diseases</i> , 2018, 67, 1441-1444.  | 2.9 | 9         |
| 69 | A Respiratory Syncytial Virus Attachment Gene Variant Associated with More Severe Disease in Infants Decreases Fusion Protein Expression, Which May Facilitate Immune Evasion. <i>Journal of Virology</i> , 2020, 95, . | 1.5 | 8         |
| 70 | Protective role of Indoleamine 2,3 dioxygenase in Respiratory Syncytial Virus associated immune response in airway epithelial cells. <i>Virology</i> , 2017, 512, 144-150.  | 1.1 | 7         |
| 71 | Two RSV Platforms for G, F, or G+F Proteins VLPs. <i>Viruses</i> , 2020, 12, 906.   | 1.5 | 7         |
| 72 | In vitro model for the assessment of human immune responses to subunit RSV vaccines. <i>PLoS ONE</i> , 2020, 15, e0229660.  | 1.1 | 6         |

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|----|---|------|-----------|
| 73 | Development and optimization of a Zika virus antibody-dependent cell-mediated cytotoxicity (ADCC) assay. <i>Journal of Immunological Methods</i> , 2021, 488, 112900.   | 0.6  | 6         |
| 74 | Seasonal Timing of Infant Bronchiolitis, Apnea and Sudden Unexplained Infant Death. <i>PLoS ONE</i> , 2016, 11, e0158521.   | 1.1  | 5         |
| 75 | Detection of RSV Antibodies in Human Plasma by Enzyme Immunoassays. <i>Methods in Molecular Biology</i> , 2016, 1442, 41-52.  | 0.4  | 3         |
| 76 | Sex-specific association between prenatal life stress exposure and infant pro-inflammatory cytokine levels during acute respiratory infection. <i>Brain, Behavior, and Immunity</i> , 2019, 76, 275-279.  | 2.0  | 3         |
| 77 | Evaluation of a SARS-CoV-2 Capture IgM Antibody Assay in Convalescent Sera. <i>Microbiology Spectrum</i> , 2021, 9, e0045821.   | 1.2  | 3         |
| 78 | Ability of device to collect bacteria from cough aerosols generated by adults with cystic fibrosis. <i>F1000Research</i> , 2016, 5, 1920.   | 0.8  | 3         |
| 79 | Performance evaluation of antibody tests for detecting infant respiratory syncytial virus infection. <i>Journal of Medical Virology</i> , 2021, 93, 3439-3445.  | 2.5  | 3         |
| 80 | The Challenge of Respiratory Syncytial Virus Human Challenge Studies. <i>New England Journal of Medicine</i> , 2022, 386, 696-697.  | 13.9 | 3         |
| 81 | Functional antibody-dependent cell mediated cytotoxicity (ADCC) responses to vaccine and circulating influenza strains following vaccination. <i>Virology</i> , 2022, 569, 44-55.   | 1.1  | 2         |
| 82 | 1340. The Burden of Influenza and Rhinovirus Among Hospitalized Adults Post the COVID-19 Pandemic. <i>Open Forum Infectious Diseases</i> , 2021, 8, S757-S758.  | 0.4  | 1         |
| 83 | Secretory Expression and Purification of Respiratory Syncytial Virus G and F Proteins in Human Cells. <i>Methods in Molecular Biology</i> , 2016, 1442, 53-62.  | 0.4  | 0         |
| 84 | 2314. Burden of Respiratory Syncytial Virus (RSV) Infection Among Hospitalized Older Adults and Those with Underlying Chronic Obstructive Pulmonary Disease (COPD) or Congestive Heart Failure (CHF). <i>Open Forum Infectious Diseases</i> , 2019, 6, S793-S794. | 0.4  | 0         |
| 85 | 1329. Burden of Respiratory Syncytial Virus (RSV) Infection among Hospitalized Older Adults and Those with Underlying Chronic Obstructive Pulmonary Disease (COPD) or Congestive Heart Failure (CHF). <i>Open Forum Infectious Diseases</i> , 2021, 8, S752-S753. | 0.4  | 0         |
| 86 | 1334. Outcomes Among Influenza and SARS-CoV-2 Infection in Hospitalized Adults Age ≥ 50 Years and with Underlying Chronic Obstructive Pulmonary Disease (COPD) or Congestive Heart Failure (CHF). <i>Open Forum Infectious Diseases</i> , 2021, 8, S755-S755.     | 0.4  | 0         |