# Johannes P Langedijk

List of Publications by Year
in descending order



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|---|---|---|---|
| 48 papers | 4,633 citations | 172457 29 h-index | 197818 49 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 7755 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Universal stabilization of the influenza hemagglutinin by structure-based redesign of the pH switch regions. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 7 |
| 2 | Stabilizing the closed SARS-CoV-2 spike trimer. Nature Communications, 2021, 12, 244. | 12.8 | 139 |
| 3 | Ad26.COV2.S protects Syrian hamsters against G614 spike variant SARS-CoV-2 and does not enhance respiratory disease. Npj Vaccines, 2021, 6, 39. | 6.0 | 38 |
| 4 | Safety and immunogenicity of two heterologous HIV vaccine regimens in healthy, HIV-uninfected adults (TRAVERSE): a randomised, parallel-group, placebo-controlled, double-blind, phase 1/2a study. Lancet HIV,the, 2020, 7, e688-e698. | 4.7 | 58 |
| 5 | Ad26 vector-based COVID-19 vaccine encoding a prefusion-stabilized SARS-CoV-2 Spike immunogen induces potent humoral and cellular immune responses. Npj Vaccines, 2020, 5, 91. | 6.0 | 286 |
| 6 | Single-shot Ad26 vaccine protects against SARS-CoV-2 in rhesus macaques. Nature, 2020, 586, 583-588. | 27.8 | 765 |
| 7 | Automated Design by Structure-Based Stabilization and Consensus Repair to Achieve Prefusion-Closed Envelope Trimers in a Wide Variety of HIV Strains. Cell Reports, 2020, 33, 108432. | 6.4 | 32 |
| 8 | Adenovector 26 encoded prefusion conformation stabilized RSV-F protein induces long-lasting Th1-biased immunity in neonatal mice. Npj Vaccines, 2020, 5, 49. | 6.0 | 24 |
| 9 | Structure-Based Design of Prefusion-Stabilized Filovirus Glycoprotein Trimers. Cell Reports, 2020, 30, 4540-4550.e3. | 6.4 | 46 |
| 10 | HIV-1 anchor inhibitors and membrane fusion inhibitors target distinct but overlapping steps in virus entry. Journal of Biological Chemistry, 2019, 294, 5736-5746. | 3.4 | 24 |
| 11 | Transient opening of trimeric prefusion RSV F proteins. Nature Communications, 2019, 10, 2105. | 12.8 | 71 |
| 12 | Primary resistance mechanism of the canine distemper virus fusion protein against a small-molecule membrane fusion inhibitor. Virus Research, 2019, 259, 28-37. | 2.2 | 10 |
| 13 | A Universal Approach to Optimize the Folding and Stability of Prefusion-Closed HIV-1 Envelope Trimers. Cell Reports, 2018, 23, 584-595. | 6.4 | 93 |
| 14 | Structural basis for recognition of the central conserved region of RSV G by neutralizing human antibodies. PLoS Pathogens, 2018, 14, e1006935. | 4.7 | 50 |
| 15 | Therapeutic efficacy of a respiratory syncytial virus fusion inhibitor. Nature Communications, 2017, 8, 167. | 12.8 | 58 |
| 16 | Peptide mimetics of immunoglobulin A (IgA) and FcÎ±RI block IgAâ€induced human neutrophil activation and migration. European Journal of Immunology, 2017, 47, 1835-1845. | 2.9 | 16 |
| 17 | HIV-1 Escape from a Peptidic Anchor Inhibitor through Stabilization of the Envelope Glycoprotein Spike. Journal of Virology, 2016, 90, 10587-10599. | 3.4 | 18 |
| 18 | Molecular mechanism of respiratory syncytial virus fusion inhibitors. Nature Chemical Biology, 2016, 12, 87-93. | 8.0 | 121 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sequential Conformational Changes in the Morbillivirus Attachment Protein Initiate the Membrane Fusion Process. PLoS Pathogens, 2015, 11, e1004880. | 4.7 | 35 |
| 20 | A highly stable prefusion RSV F vaccine derived from structural analysis of the fusion mechanism. Nature Communications, 2015, 6, 8143. | 12.8 | 248 |
| 21 | Identification of Amino Acid Substitutions with Compensational Effects in the Attachment Protein of Canine Distemper Virus. Journal of Virology, 2014, 88, 8057-8064. | 3.4 | 17 |
| 22 | A gp41 MPER-specific Llama VHH Requires a Hydrophobic CDR3 for Neutralization but not for Antigen Recognition. PLoS Pathogens, 2013, 9, e1003202. | 4.7 | 64 |
| 23 | Structure-Based Design for High-Hanging Vaccine Fruits. Advances in Immunology, 2012, 114, 33-50. | 2.2 | 7 |
| 24 | Structural Rearrangements of the Central Region of the Morbillivirus Attachment Protein Stalk Domain Trigger F Protein Refolding for Membrane Fusion. Journal of Biological Chemistry, 2012, 287, 16324-16334. | 3.4 | 63 |
| 25 | A sweet surprise for HIV broadly neutralizing antibodies. Nature Medicine, 2012, 18, 1616-1617. | 30.7 | 3 |
| 26 | Epitope Mapping of Broadly Neutralizing HIV-2 Human Monoclonal Antibodies. Journal of Virology, 2012, 86, 12115-12128. | 3.4 | 27 |
| 27 | Peptides based on the presenilinâ€APP binding domain inhibit APP processing and Aî² production through interfering with the APP transmembrane domain. FASEB Journal, 2012, 26, 3765-3778. | 0.5 | 11 |
| 28 | A Neutralizing Antibody Selected from Plasma Cells That Binds to Group 1 and Group 2 Influenza A Hemagglutinins. Science, 2011, 333, 850-856. | 12.6 | 1,092 |
| 29 | Helical peptide arrays for lead identification and interaction site mapping. Analytical Biochemistry, 2011, 417, 149-155. | 2.4 | 11 |
| 30 | Resistance of Human Immunodeficiency Virus Type 1 to a Third-Generation Fusion Inhibitor Requires Multiple Mutations in gp41 and Is Accompanied by a Dramatic Loss of gp41 Function. Journal of Virology, 2011, 85, 10785-10797. | 3.4 | 66 |
| 31 | Canine Distemper Virus Infects Canine Keratinocytes and Immune Cells by Using Overlapping and Distinct Regions Located on One Side of the Attachment Protein. Journal of Virology, 2011, 85, 11242-11254. | 3.4 | 31 |
| 32 | Analysis of Memory B Cell Responses and Isolation of Novel Monoclonal Antibodies with Neutralizing Breadth from HIV-1-Infected Individuals. PLoS ONE, 2010, 5, e8805. | 2.5 | 405 |
| 33 | Identification of Key Residues in Virulent Canine Distemper Virus Hemagglutinin That Control CD150/SLAM-Binding Activity. Journal of Virology, 2010, 84, 9618-9624. | 3.4 | 32 |
| 34 | Detailed Mechanistic Insights into HIV-1 Sensitivity to Three Generations of Fusion Inhibitors. Journal of Biological Chemistry, 2009, 284, 26941-26950. | 3.4 | 71 |
| 35 | Heterologous Stacking of Prion Protein Peptides Reveals Structural Details of Fibrils and Facilitates Complete Inhibition of Fibril Growth. Journal of Biological Chemistry, 2009, 284, 12809-12820. | 3.4 | 5 |
| 36 | Selection of T1249-Resistant Human Immunodeficiency Virus Type 1 Variants. Journal of Virology, 2008, 82, 6678-6688. | 3.4 | 76 |

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|---|---|---|---|
| 37 | SUMO Assay with Peptide Arrays on Solid Support: Insights into SUMO Target Sites. Journal of Biochemistry, 2008, 144, 39-49. | 1.7 | 12 |
| 38 | Polyanion induced fibril growth enables the development of a reproducible assay in solution for the screening of fibril interfering compounds, and the investigation of the prion nucleation site. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2007, 14, 205-219. | 3.0 | 3 |
| 39 | Evidence of a Potential Receptor-Binding Site on the Nipah Virus G Protein (NiV-G): Identification of Globular Head Residues with a Role in Fusion Promotion and Their Localization on an NiV-G Structural Model. Journal of Virology, 2006, 80, 7546-7554. | 3.4 | 47 |
| 40 | Activation of human microglia by fibrillar prion protein-related peptides is enhanced by amyloid-associated factors SAP and C1q. Neurobiology of Disease, 2005, 19, 273-282. | 4.4 | 21 |
| 41 | Measles Virus (MV) Hemagglutinin: Evidence that Attachment Sites for MV Receptors SLAM and CD46 Overlap on the Globular Head. Journal of Virology, 2004, 78, 9051-9063. | 3.4 | 79 |
| 42 | An in vitro screening assay based on synthetic prion protein peptides for identification of fibril-interfering compounds. Analytical Biochemistry, 2004, 333, 372-380. | 2.4 | 25 |
| 43 | Vaccine-Induced Immunopathology during Bovine Respiratory Syncytial Virus Infection: Exploring the Parameters of Pathogenesis. Journal of Virology, 2003, 77, 12067-12073. | 3.4 | 85 |
| 44 | Translocation Activity of C-terminal Domain of Pestivirus Erns and Ribotoxin L3 Loop. Journal of Biological Chemistry, 2002, 277, 5308-5314. | 3.4 | 57 |
| 45 | Novel Strategy for Inhibiting Viral Entry by Use of a Cellular Receptor-Plant Virus Chimera. Journal of Virology, 2002, 76, 4412-4419. | 3.4 | 35 |
| 46 | Structural and Functional Relationship between the Receptor Recognition and Neuraminidase Activities of the Newcastle Disease Virus Hemagglutinin-Neuraminidase Protein: Receptor Recognition Is Dependent on Neuraminidase Activity. Journal of Virology, 2001, 75, 1918-1927. | 3.4 | 77 |
| 47 | Solution Structure of the Immunodominant Region of Protein G of Bovine Respiratory Syncytial Virusâ€,â€¡. Biochemistry, 1996, 35, 14684-14688. | 2.5 | 38 |
| 48 | A Hidden Region in the Third Variable Domain of HIV-1 IIIB gp120 Identified by a Monoclonal Antibody. AIDS Research and Human Retroviruses, 1993, 9, 605-612. | 1.1 | 23 |