

James M Rini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2850913/publications.pdf>

Version: 2024-02-01

48
papers

5,820
citations

172457

29
h-index

206112

48
g-index

55
all docs

55
docs citations

55
times ranked

10119
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | SPEEDS: A portable serological testing platform for rapid electrochemical detection of SARS-CoV-2 antibodies. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113762. | 10.1 | 33 |
| 2 | Persistence of T Cell and Antibody Responses to SARS-CoV-2 Up to 9 Months after Symptom Onset. <i>Journal of Immunology</i> , 2022, 208, 429-443. | 0.8 | 12 |
| 3 | Convergent CDR3 homology amongst Spike-specific antibody responses in convalescent COVID-19 subjects receiving the BNT162b2 vaccine. <i>Clinical Immunology</i> , 2022, 237, 108963. | 3.2 | 4 |
| 4 | Systemic and mucosal IgA responses are variably induced in response to SARS-CoV-2 mRNA vaccination and are associated with protection against subsequent infection. <i>Mucosal Immunology</i> , 2022, 15, 799-808. | 6.0 | 152 |
| 5 | Enhancing the performance of paper-based electrochemical impedance spectroscopy nanobiosensors: An experimental approach. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112672. | 10.1 | 100 |
| 6 | Systematic Examination of Antigen-Specific Recall T Cell Responses to SARS-CoV-2 versus Influenza Virus Reveals a Distinct Inflammatory Profile. <i>Journal of Immunology</i> , 2021, 206, 37-50. | 0.8 | 28 |
| 7 | Detection of SARS-CoV-2 Viral Particles Using Direct, Reagent-Free Electrochemical Sensing. <i>Journal of the American Chemical Society</i> , 2021, 143, 1722-1727. | 13.7 | 156 |
| 8 | A homogeneous split-luciferase assay for rapid and sensitive detection of anti-SARS CoV-2 antibodies. <i>Nature Communications</i> , 2021, 12, 1806. | 12.8 | 36 |
| 9 | Detection and Neutralization of SARS-CoV-2 Using Non-conventional Variable Lymphocyte Receptor Antibodies of the Evolutionarily Distant Sea Lamprey. <i>Frontiers in Immunology</i> , 2021, 12, 659071. | 4.8 | 2 |
| 10 | Tetraivalent SARS-CoV-2 Neutralizing Antibodies Show Enhanced Potency and Resistance to Escape Mutations. <i>Journal of Molecular Biology</i> , 2021, 433, 167177. | 4.2 | 31 |
| 11 | SARS-CoV-2 Reactive Mucosal B Cells in the Upper Respiratory Tract of Uninfected Individuals. <i>Journal of Immunology</i> , 2021, 207, 2581-2588. | 0.8 | 5 |
| 12 | Intranasal HD-Ad vaccine protects the upper and lower respiratory tracts of hACE2 mice against SARS-CoV-2. <i>Cell and Bioscience</i> , 2021, 11, 202. | 4.8 | 13 |
| 13 | Persistence of serum and saliva antibody responses to SARS-CoV-2 spike antigens in COVID-19 patients. <i>Science Immunology</i> , 2020, 5, . | 11.9 | 714 |
| 14 | Trimeric HIV-1 gp140 fused with APRIL, BAFF, and CD40L on the mucosal gp140-specific antibody responses in mice. <i>Vaccine</i> , 2020, 38, 2149-2159. | 3.8 | 3 |
| 15 | Exploiting the diphtheria toxin internalization receptor enhances delivery of proteins to lysosomes for enzyme replacement therapy. <i>Science Advances</i> , 2020, 6, . | 10.3 | 6 |
| 16 | A simple protein-based surrogate neutralization assay for SARS-CoV-2. <i>JCI Insight</i> , 2020, 5, . | 5.0 | 193 |
| 17 | The human coronavirus HCoV-229E S-protein structure and receptor binding. <i>ELife</i> , 2019, 8, . | 6.0 | 153 |
| 18 | Axonal Transport Enables Neuron-to-Neuron Propagation of Human Coronavirus OC43. <i>Journal of Virology</i> , 2018, 92, . | 3.4 | 355 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Recognition of EGF-like domains by the Notch-modifying O-fucosyltransferase POFUT1. <i>Nature Chemical Biology</i> , 2017, 13, 757-763. | 8.0 | 62 |
| 20 | Structural basis of Notch O-glycosylation and O ⁶ -xylosylation by mammalian protein ⁶ -O-glucosyltransferase 1 (POGLUT1). <i>Nature Communications</i> , 2017, 8, 185. | 12.8 | 39 |
| 21 | Receptor-binding loops in alphacoronavirus adaptation and evolution. <i>Nature Communications</i> , 2017, 8, 1735. | 12.8 | 82 |
| 22 | Rapid and Facile Recombinant Expression of Bovine Rhodopsin in HEK293S GnT1 ⁻ Cells Using a PiggyBac Inducible System. <i>Methods in Enzymology</i> , 2015, 556, 307-330. | 1.0 | 11 |
| 23 | Local acting S ticky ⁶ trap inhibits vascular endothelial growth factor dependent pathological angiogenesis in the eye. <i>EMBO Molecular Medicine</i> , 2014, 6, 604-623. | 6.9 | 16 |
| 24 | Expansion of Dysfunctional Tim-3 ⁶ Expressing Effector Memory CD8 ⁺ T Cells during Simian Immunodeficiency Virus Infection in Rhesus Macaques. <i>Journal of Immunology</i> , 2014, 193, 5576-5583. | 0.8 | 23 |
| 25 | Simple <i>piggyBac</i> transposon-based mammalian cell expression system for inducible protein production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5004-5009. | 7.1 | 128 |
| 26 | The ZIP5 Ectodomain Co-Localizes with PrP and May Acquire a PrP-Like Fold That Assembles into a Dimer. <i>PLoS ONE</i> , 2013, 8, e72446. | 2.5 | 23 |
| 27 | The X-ray Crystal Structure of Human Aminopeptidase N Reveals a Novel Dimer and the Basis for Peptide Processing. <i>Journal of Biological Chemistry</i> , 2012, 287, 36804-36813. | 3.4 | 119 |
| 28 | Structural and Mechanistic Characterization of Leukocyte-Type Core 2 β 1,6-N-Acetylglucosaminyltransferase: A Metal-Ion-Independent GT-A Glycosyltransferase. <i>Journal of Molecular Biology</i> , 2011, 414, 798-811. | 4.2 | 17 |
| 29 | Mutational Tuning of Galectin-3 Specificity and Biological Function. <i>Journal of Biological Chemistry</i> , 2010, 285, 35079-35091. | 3.4 | 98 |
| 30 | Neutralizing epitopes of the SARS-CoV S-protein cluster independent of repertoire, antigen structure or mAb technology. <i>MAbs</i> , 2010, 2, 53-66. | 5.2 | 114 |
| 31 | N-glycans are direct determinants of CFTR folding and stability in secretory and endocytic membrane traffic. <i>Journal of Cell Biology</i> , 2009, 184, 847-862. | 5.2 | 118 |
| 32 | Structural Insights into Immune Recognition of the Severe Acute Respiratory Syndrome Coronavirus S Protein Receptor Binding Domain. <i>Journal of Molecular Biology</i> , 2009, 388, 815-823. | 4.2 | 56 |
| 33 | Re-examining the proposed lectin properties of IL-2. <i>Molecular Immunology</i> , 2008, 45, 1241-1247. | 2.2 | 4 |
| 34 | Tim-3 expression defines a novel population of dysfunctional T cells with highly elevated frequencies in progressive HIV-1 infection. <i>Journal of Experimental Medicine</i> , 2008, 205, 2763-2779. | 8.5 | 681 |
| 35 | X-ray Crystal Structures of Rabbit N-acetylglucosaminyltransferase I (GnT I) in Complex with Donor Substrate Analogues. <i>Journal of Molecular Biology</i> , 2006, 360, 67-79. | 4.2 | 52 |
| 36 | X-ray Crystal Structure Determination of Mammalian Glycosyltransferases. <i>Methods in Enzymology</i> , 2006, 416, 30-48. | 1.0 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Comparative evaluation of two severe acute respiratory syndrome (SARS) vaccine candidates in mice challenged with SARS coronavirus. <i>Journal of General Virology</i> , 2006, 87, 641-650. | 2.9 | 145 |
| 38 | X-ray Crystal Structure of Leukocyte Type Core 2 β 1,6-N-Acetylglucosaminyltransferase. <i>Journal of Biological Chemistry</i> , 2006, 281, 26693-26701. | 3.4 | 61 |
| 39 | Structural and Thermodynamic Studies on Cation- π Interactions in Lectin-Ligand Complexes: π -High-Affinity Galectin-3 Inhibitors through Fine-Tuning of an Arginine- π -Arene Interaction. <i>Journal of the American Chemical Society</i> , 2005, 127, 1737-1743. | 13.7 | 231 |
| 40 | Independent Lec1A CHO Glycosylation Mutants Arise from Point Mutations in N-Acetylglucosaminyltransferase I That Reduce Affinity for Both Substrates. Molecular Consequences Based on the Crystal Structure of GlcNAc-TI. <i>Biochemistry</i> , 2001, 40, 8765-8772. | 2.5 | 22 |
| 41 | X-ray Crystal Structure of C3d: A C3 Fragment and Ligand for Complement Receptor 2. <i>Science</i> , 1998, 280, 1277-1281. | 12.6 | 209 |
| 42 | X-ray Crystal Structure of the Human Galectin-3 Carbohydrate Recognition Domain at 2.1- \AA Resolution. <i>Journal of Biological Chemistry</i> , 1998, 273, 13047-13052. | 3.4 | 372 |
| 43 | Galectin Structure. <i>Trends in Glycoscience and Glycotechnology</i> , 1997, 9, 145-154. | 0.1 | 27 |
| 44 | Structural basis of calcium-induced E-cadherin rigidification and dimerization. <i>Nature</i> , 1996, 380, 360-364. | 27.8 | 660 |
| 45 | Major antigen-induced domain rearrangements in an antibody. <i>Structure</i> , 1993, 1, 83-93. | 3.3 | 216 |
| 46 | Crystallization and Preliminary X-ray Diffraction Analysis of the Human Dimeric S-Lac Lectin (L-14-II). <i>Journal of Molecular Biology</i> , 1993, 233, 553-555. | 4.2 | 10 |
| 47 | Detailed Analysis of the Free and Bound Conformations of an Antibody. <i>Journal of Molecular Biology</i> , 1993, 234, 1098-1118. | 4.2 | 107 |
| 48 | [7] X-ray crystallographic analysis of free and antigen-complexed Fab fragments to investigate structural basis of immune recognition. <i>Methods in Enzymology</i> , 1991, 203, 153-176. | 1.0 | 41 |