

James M Kovacs

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,035
citations

623734

14
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1681
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | HIV-1 envelope trimer elicits more potent neutralizing antibody responses than monomeric gp120. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12111-12116. | 7.1 | 163 |
| 2 | HIV-1 Neutralizing Antibody Signatures and Application to Epitope-Targeted Vaccine Design. Cell Host and Microbe, 2019, 25, 59-72.e8. | 11.0 | 124 |
| 3 | Determination of intrinsic hydrophilicity/hydrophobicity of amino acid side chains in peptides in the absence of nearest-neighbor or conformational effects. Biopolymers, 2006, 84, 283-297. | 2.4 | 123 |
| 4 | Intrinsic amino acid side-chain hydrophilicity/hydrophobicity coefficients determined by reversed-phase high-performance liquid chromatography of model peptides: Comparison with other hydrophilicity/hydrophobicity scales. Biopolymers, 2009, 92, 573-595. | 2.4 | 114 |
| 5 | Effect of the cytoplasmic domain on antigenic characteristics of HIV-1 envelope glycoprotein. Science, 2015, 349, 191-195. | 12.6 | 113 |
| 6 | Detection of complement activation using monoclonal antibodies against C3d. Journal of Clinical Investigation, 2013, 123, 2218-2230. | 8.2 | 78 |
| 7 | Stable, uncleaved HIV-1 envelope glycoprotein gp140 forms a tightly folded trimer with a native-like structure. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18542-18547. | 7.1 | 67 |
| 8 | Requirements for prediction of peptide retention time in reversed-phase high-performance liquid chromatography: Hydrophilicity/hydrophobicity of side-chains at the N- and C-termini of peptides are dramatically affected by the end-groups and location. Journal of Chromatography A, 2007, 1141, 212-225. | 3.7 | 50 |
| 9 | A Multivalent Clade C HIV-1 Env Trimer Cocktail Elicits a Higher Magnitude of Neutralizing Antibodies than Any Individual Component. Journal of Virology, 2015, 89, 2507-2519. | 3.4 | 42 |
| 10 | Design of Lipid Nanocapsule Delivery Vehicles for Multivalent Display of Recombinant Env Trimers in HIV Vaccination. Bioconjugate Chemistry, 2014, 25, 1470-1478. | 3.6 | 38 |
| 11 | Characterization and Immunogenicity of a Novel Mosaic M HIV-1 gp140 Trimer. Journal of Virology, 2014, 88, 9538-9552. | 3.4 | 30 |
| 12 | Mapping of the C3d Ligand Binding Site on Complement Receptor 2 (CR2/CD21) Using Nuclear Magnetic Resonance and Chemical Shift Analysis. Journal of Biological Chemistry, 2009, 284, 9513-9520. | 3.4 | 28 |
| 13 | Delineation of the Complement Receptor Type 2-C3d Complex by Site-Directed Mutagenesis and Molecular Docking. Journal of Molecular Biology, 2010, 404, 697-710. | 4.2 | 24 |
| 14 | Quantitation of the nearest-neighbour effects of amino acid side-chains that restrict conformational freedom of the polypeptide chain using reversed-phase liquid chromatography of synthetic model peptides with l- and d-amino acid substitutions. Journal of Chromatography A, 2006, 1123, 212-224. | 3.7 | 20 |
| 15 | Biophysical Investigations of Complement Receptor 2 (CD21 and CR2)-Ligand Interactions Reveal Amino Acid Contacts Unique to Each Receptor-Ligand Pair. Journal of Biological Chemistry, 2010, 285, 27251-27258. | 3.4 | 10 |
| 16 | Neutralizing Antibody Responses following Long-Term Vaccination with HIV-1 Env gp140 in Guinea Pigs. Journal of Virology, 2018, 92, . | 3.4 | 10 |
| 17 | Characterizing the complement receptor Type 2-C3d complex by site-directed mutagenesis and molecular modeling. Molecular Immunology, 2010, 47, 2258-2258. | 2.2 | 1 |