# John D Fraser

## List of Publications by Year in descending order



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|---|---|---|---|
| 50 papers | 3,038 citations | 186265 28 h-index | 206112 48 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 2651 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High-affinity binding of staphylococcal enterotoxins A and B to HLA-DR. Nature, 1989, 339, 221-223. | 27.8 | 428 |
| 2 | The bacterial superantigen and superantigenâ€like proteins. Immunological Reviews, 2008, 225, 226-243. | 6.0 | 415 |
| 3 | The Staphylococcal Superantigen-Like Protein 7 Binds IgA and Complement C5 and Inhibits IgA-FcÎ±RI Binding and Serum Killing of Bacteria. Journal of Immunology, 2005, 174, 2926-2933. | 0.8 | 237 |
| 4 | Superantigens â€“ powerful modifiers of the immune system. Trends in Molecular Medicine, 2000, 6, 125-132. | 2.6 | 147 |
| 5 | Atlas of group A streptococcal vaccine candidates compiled using large-scale comparative genomics. Nature Genetics, 2019, 51, 1035-1043. | 21.4 | 120 |
| 6 | Status of research and development of vaccines for Streptococcus pyogenes. Vaccine, 2016, 34, 2953-2958. | 3.8 | 113 |
| 7 | Crystal structure of the streptococcal superantigen SPE-C: dimerization and zinc binding suggest a novel mode of interaction with MHC class II molecules. Nature Structural Biology, 1997, 4, 635-643. | 9.7 | 104 |
| 8 | Streptococcal superantigens: categorization and clinical associations. Trends in Molecular Medicine, 2014, 20, 48-62. | 6.7 | 97 |
| 9 | Enterotoxin residues determining T-cell receptor VÎ² binding specificity. Nature, 1992, 359, 841-843. | 27.8 | 87 |
| 10 | The crystal structure of staphylococcal superantigenâ€like protein 11 in complex with sialyl Lewis X reveals the mechanism for cell binding and immune inhibition. Molecular Microbiology, 2007, 66, 1342-1355. | 2.5 | 85 |
| 11 | The Streptococcal Superantigen Smez Exhibits Wide Allelic Variation, Mosaic Structure, and Significant Antigenic Variation. Journal of Experimental Medicine, 2000, 191, 1765-1776. | 8.5 | 78 |
| 12 | The Three-dimensional Structure of a Superantigen-like Protein, SET3, from a Pathogenicity Island of the Staphylococcus aureus Genome. Journal of Biological Chemistry, 2002, 277, 32274-32281. | 3.4 | 77 |
| 13 | The Superantigen Streptococcal Pyrogenic Exotoxin C (SPE-C) Exhibits a Novel Mode of Action. Journal of Experimental Medicine, 1997, 186, 375-383. | 8.5 | 76 |
| 14 | Specificity of Staphylococcal Superantigen-Like Protein 10 toward the Human IgG1 Fc Domain. Journal of Immunology, 2010, 184, 6283-6292. | 0.8 | 65 |
| 15 | High Usage of Topical Fusidic Acid and Rapid Clonal Expansion of Fusidic Acidâ€“Resistant Staphylococcus aureus: A Cautionary Tale. Clinical Infectious Diseases, 2014, 59, 1451-1454. | 5.8 | 64 |
| 16 | Crystal Structures of the Staphylococcal Toxin SSL5 in Complex with Sialyl Lewis X Reveal a Conserved Binding Site that Shares Common Features with Viral and Bacterial Sialic Acid Binding Proteins. Journal of Molecular Biology, 2007, 374, 1298-1308. | 4.2 | 62 |
| 17 | Characterization of a Mouse-Adapted Staphylococcus aureus Strain. PLoS ONE, 2013, 8, e71142. | 2.5 | 58 |
| 18 | Staphylococcus aureus regulates the expression and production of the staphylococcal superantigenâ€like secreted proteins in a Rotâ€dependent manner. Molecular Microbiology, 2011, 81, 659-675. | 2.5 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Working towards a Group A Streptococcal vaccine: Report of a collaborative Trans-Tasman workshop. Vaccine, 2014, 32, 3713-3720. | 3.8 | 44 |
| 20 | Superantigens in human disease. Journal of Clinical Immunology, 1999, 19, 149-157. | 3.8 | 43 |
| 21 | M-Protein Analysis of Streptococcus pyogenes Isolates Associated with Acute Rheumatic Fever in New Zealand. Journal of Clinical Microbiology, 2015, 53, 3618-3620. | 3.9 | 43 |
| 22 | Clarifying the Mechanism of Superantigen Toxicity. PLoS Biology, 2011, 9, e1001145. | 5.6 | 42 |
| 23 | T-Cell Receptor beta-Chain Binding to Enterotoxin Superantigens. Immunological Reviews, 1993, 131, 61-78. | 6.0 | 41 |
| 24 | An economic case for a vaccine to prevent group A streptococcus skin infections. Vaccine, 2018, 36, 6968-6978. | 3.8 | 41 |
| 25 | Superantigens: Just Like Peptides Only Different. Journal of Experimental Medicine, 1998, 187, 819-821. | 8.5 | 39 |
| 26 | Staphylococcal Superantigen Super-Domains in Immune Evasion. Critical Reviews in Immunology, 2010, 30, 149-165. | 0.5 | 38 |
| 27 | Targeting Antigen to MHC Class II Molecules Promotes Efficient Cross-Presentation and Enhances Immunotherapy. Journal of Immunology, 2009, 182, 1260-1269. | 0.8 | 37 |
| 28 | Structural and Functional Properties of Staphylococcal Superantigen-Like Protein 4. Infection and Immunity, 2012, 80, 4004-4013. | 2.2 | 33 |
| 29 | Staphylococcal enterotoxin-like X (SElX) is a unique superantigen with functional features of two major families of staphylococcal virulence factors. PLoS Pathogens, 2017, 13, e1006549. | 4.7 | 32 |
| 30 | Comparative M-protein analysis of Streptococcus pyogenes from pharyngitis and skin infections in New Zealand: Implications for vaccine development. BMC Infectious Diseases, 2016, 16, 561. | 2.9 | 25 |
| 31 | Full functional activity of SSL7 requires binding of both complement C5 and IgA. Immunology and Cell Biology, 2013, 91, 469-476. | 2.3 | 24 |
| 32 | Development of an opsonophagocytic killing assay for group a streptococcus. Vaccine, 2018, 36, 3756-3763. | 3.8 | 23 |
| 33 | Clinical development strategy for a candidate group A streptococcal vaccine. Vaccine, 2017, 35, 2007-2014. | 3.8 | 18 |
| 34 | The economic and health burdens of diseases caused by group A Streptococcus in New Zealand. International Journal of Infectious Diseases, 2021, 103, 176-181. | 3.3 | 18 |
| 35 | The global response to the COVID-19 pandemic: how have immunology societies contributed?. Nature Reviews Immunology, 2020, 20, 594-602. | 22.7 | 17 |
| 36 | Enterotoxins can support CAR T cells against solid tumors. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25229-25235. | 7.1 | 16 |

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|---|---|---|---|
| 37 | An Engineered Non-Toxic Superantigen Increases Cross Presentation of Hepatitis B Virus Nucleocapsids by Human Dendritic Cells. PLoS ONE, 2014, 9, e93598. | 2.5 | 12 |
| 38 | Synthesis and anti-Helicobacter pylori activity of analogues of spirolaxine methyl ether. MedChemComm, 2012, 3, 938. | 3.4 | 10 |
| 39 | Synthesis and Biological Evaluation of 7â€Đeoxy Analogues of the Human Rhinovirus 3C Protease Inhibitor Thysanone. European Journal of Organic Chemistry, 2014, 2014, 122-128. | 2.4 | 9 |
| 40 | A potential role for staphylococcal and streptococcal superantigens in driving skewing of TCR VÎ² subsets in tonsillar hyperplasia. Medical Microbiology and Immunology, 2017, 206, 337-346. | 4.8 | 9 |
| 41 | Impact of Superantigen-Producing Bacteria on T Cells from Tonsillar Hyperplasia. Pathogens, 2019, 8, 90. | 2.8 | 9 |
| 42 | Iridium-Catalysed Câ€“H Borylation Facilitates a Total Synthesis of the HRV 3C Protease Inhibitor (Â±)-Thysanone. Synlett, 2014, 25, 556-558. | 1.8 | 7 |
| 43 | Antigen Targeting to Major Histocompatibility Complex Class II with Streptococcal Mitogenic Exotoxin Z-2 M1, a Superantigen-Based Vaccine Carrier. Vaccine Journal, 2012, 19, 574-586. | 3.1 | 6 |
| 44 | A modified superantigen rescues Ly6Gâ^'CD11b+blood monocyte suppressor function and suppresses antigen-specific inflammation in EAE. Autoimmunity, 2013, 46, 269-278. | 2.6 | 5 |
| 45 | Therapeutic potential of staphylococcal superantigen-like protein 7 for complement-mediated hemolysis. Journal of Molecular Medicine, 2018, 96, 965-974. | 3.9 | 5 |
| 46 | Superantigen data. Nature, 1992, 360, 423-423. | 27.8 | 4 |
| 47 | Uncoupling Molecular Testing for SARS-CoV-2 From International Supply Chains. Frontiers in Public Health, 2021, 9, 808751. | 2.7 | 2 |
| 48 | Bacterial superantigens and immune evasion. , 2003, , 171-200. | | 1 |
| 49 | The crystal structure of staphylococcal superantigenâ€like protein 11 in complex with sialyl Lewis X reveals the mechanism for cell binding and immune inhibition. Molecular Microbiology, 2008, 67, 473-473. | 2.5 | 0 |
| 50 | The Streptococcal Superantigens. , 0, , 1-20. | | 0 |