

# Scott T R Walsh

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,117  
citations

394421

19  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1825  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                           | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Surface-fill hydrogel attenuates the oncogenic signature of complex anatomical surface cancer in a single application. <i>Nature Nanotechnology</i> , 2021, 16, 1251-1259.                                                                        | 31.5 | 41        |
| 2  | New anti-IL-7R $\beta$ monoclonal antibodies show efficacy against T cell acute lymphoblastic leukemia in pre-clinical models. <i>Leukemia</i> , 2020, 34, 35-49.                                                                                 | 7.2  | 26        |
| 3  | The Cytokine Receptor IL-7R $\beta$ Impairs IL-2 Receptor Signaling and Constrains the In Vitro Differentiation of Foxp3+ Treg Cells. <i>IScience</i> , 2020, 23, 101421.                                                                         | 4.1  | 15        |
| 4  | SOCS3 is a suppressor of $\beta$ cytokine signaling and constrains generation of murine Foxp3 <sup>+</sup> regulatory T cells. <i>European Journal of Immunology</i> , 2020, 50, 986-999.                                                         | 2.9  | 6         |
| 5  | Design of a Multicompartment Hydrogel that Facilitates Time-Resolved Delivery of Combination Therapy and Synergized Killing of Glioblastoma. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15040-15044.                            | 13.8 | 87        |
| 6  | Design of a Multicompartment Hydrogel that Facilitates Time-Resolved Delivery of Combination Therapy and Synergized Killing of Glioblastoma. <i>Angewandte Chemie</i> , 2018, 130, 15260-15264.                                                   | 2.0  | 17        |
| 7  | Triggered Formation of Anionic Hydrogels from Self-Assembling Acidic Peptide Amphiphiles. <i>Macromolecules</i> , 2017, 50, 5643-5651.                                                                                                            | 4.8  | 17        |
| 8  | Activated T Cells Secrete an Alternatively Spliced Form of Common $\beta$ -Chain that Inhibits Cytokine Signaling and Exacerbates Inflammation. <i>Immunity</i> , 2014, 40, 910-923.                                                              | 14.3 | 53        |
| 9  | Soluble IL7R $\beta$ potentiates IL-7 bioactivity and promotes autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1761-70.                                                        | 7.1  | 129       |
| 10 | The human histone chaperone sNASP interacts with linker and core histones through distinct mechanisms. <i>Nucleic Acids Research</i> , 2012, 40, 660-669.                                                                                         | 14.5 | 44        |
| 11 | Structural reorganization of the interleukin-7 signaling complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2503-2508.                                                                  | 7.1  | 54        |
| 12 | Biophysical characterization of glycosaminoglycan-IL-7 interactions using SPR. <i>Biochimie</i> , 2012, 94, 242-249.                                                                                                                              | 2.6  | 21        |
| 13 | Structural insights into the common $\beta$ -chain family of cytokines and receptors from the interleukin-7 pathway. <i>Immunological Reviews</i> , 2012, 250, 303-316.                                                                           | 6.0  | 50        |
| 14 | A Biosensor Study Indicating That Entropy, Electrostatics, and Receptor Glycosylation Drive the Binding Interaction between Interleukin-7 and Its Receptor. <i>Biochemistry</i> , 2010, 49, 8766-8778.                                            | 2.5  | 17        |
| 15 | Structural and Biophysical Studies of the Human IL-7/IL-7R $\beta$ Complex. <i>Structure</i> , 2009, 17, 54-65.                                                                                                                                   | 3.3  | 77        |
| 16 | Crystal structure of a 3B3 variant—a broadly neutralizing HIV-1 scFv antibody. <i>Protein Science</i> , 2009, 18, 2429-2441.                                                                                                                      | 7.6  | 16        |
| 17 | Expanded binding specificity of the human histone chaperone NASP. <i>Nucleic Acids Research</i> , 2008, 36, 5763-5772.                                                                                                                            | 14.5 | 56        |
| 18 | Crystallization and preliminary X-ray diffraction of human interleukin-7 bound to unglycosylated and glycosylated forms of its $\beta$ -receptor. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 865-869. | 0.7  | 12        |

| #  | ARTICLE                                                                                                                                                                                                                                                                     | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Crystal Structure and Site 1 Binding Energetics of Human Placental Lactogen. <i>Journal of Molecular Biology</i> , 2006, 358, 773-784.                                                                                                                                      | 4.2 | 21        |
| 20 | The high- and low-affinity receptor binding sites of growth hormone are allosterically coupled. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17078-17083.                                                            | 7.1 | 30        |
| 21 | The hydration of amides in helices; a comprehensive picture from molecular dynamics, IR, and NMR. <i>Protein Science</i> , 2003, 12, 520-531.                                                                                                                               | 7.6 | 150       |
| 22 | Site2 binding energetics of the regulatory step of growth hormone-induced receptor homodimerization. <i>Protein Science</i> , 2003, 12, 1960-1970.                                                                                                                          | 7.6 | 39        |
| 23 | Structure of a phage display-derived variant of human growth hormone complexed to two copies of the extracellular domain of its receptor: evidence for strong structural coupling between receptor binding sites. <i>Journal of Molecular Biology</i> , 2002, 316, 277-289. | 4.2 | 31        |
| 24 | Hydrophobic Core Malleability of a De Novo Designed Three-helix Bundle Protein. <i>Journal of Molecular Biology</i> , 2001, 305, 361-373.                                                                                                                                   | 4.2 | 35        |
| 25 | Dynamics of a De Novo Designed Three-Helix Bundle Protein Studied by <sup>15</sup> N, <sup>13</sup> C, and <sup>2</sup> H NMR Relaxation Methods. <i>Biochemistry</i> , 2001, 40, 9560-9569.                                                                                | 2.5 | 44        |
| 26 | Role of an $\alpha$ -helical bulge in the yeast heat shock transcription factor 1 Edited by F. E. Cohen. <i>Journal of Molecular Biology</i> , 2000, 295, 393-409.                                                                                                          | 4.2 | 29        |