

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	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
2	Soluble IL7R β 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
3	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
4	Structural and Biophysical Studies of the Human IL-7/IL-7R β Complex. <i>Structure</i> , 2009, 17, 54-65.	3.3	77
5	Expanded binding specificity of the human histone chaperone NASP. <i>Nucleic Acids Research</i> , 2008, 36, 5763-5772.	14.5	56
6	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
7	Activated T Cells Secrete an Alternatively Spliced Form of Common β -Chain that Inhibits Cytokine Signaling and Exacerbates Inflammation. <i>Immunity</i> , 2014, 40, 910-923.	14.3	53
8	Structural insights into the common β -chain family of cytokines and receptors from the interleukin-7 pathway. <i>Immunological Reviews</i> , 2012, 250, 303-316.	6.0	50
9	Dynamics of a De Novo Designed Three-Helix Bundle Protein Studied by ^{15}N , ^{13}C , and ^2H NMR Relaxation Methods. <i>Biochemistry</i> , 2001, 40, 9560-9569.	2.5	44
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	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
12	Site2 binding energetics of the regulatory step of growth hormone-induced receptor homodimerization. <i>Protein Science</i> , 2003, 12, 1960-1970.	7.6	39
13	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
14	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
15	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
16	Role of an α -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
17	New anti-IL-7R β monoclonal antibodies show efficacy against T cell acute lymphoblastic leukemia in pre-clinical models. <i>Leukemia</i> , 2020, 34, 35-49.	7.2	26
18	Crystal Structure and Site 1 Binding Energetics of Human Placental Lactogen. <i>Journal of Molecular Biology</i> , 2006, 358, 773-784.	4.2	21

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19	Biophysical characterization of glycosaminoglycan-IL-7 interactions using SPR. <i>Biochimie</i> , 2012, 94, 242-249.	2.6	21
20	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
21	Triggered Formation of Anionic Hydrogels from Self-Assembling Acidic Peptide Amphiphiles. <i>Macromolecules</i> , 2017, 50, 5643-5651.	4.8	17
22	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
23	Crystal structure of a 3B3 variant—a broadly neutralizing HIV-1 scFv antibody. <i>Protein Science</i> , 2009, 18, 2429-2441.	7.6	16
24	The Cytokine Receptor IL-7R α Impairs IL-2 Receptor Signaling and Constrains the In Vitro Differentiation of Foxp3 ⁺ Treg Cells. <i>IScience</i> , 2020, 23, 101421.	4.1	15
25	Crystallization and preliminary X-ray diffraction of human interleukin-7 bound to unglycosylated and glycosylated forms of its α -receptor. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 865-869.	0.7	12
26	SOCS3 is a suppressor of γ c cytokine signaling and constrains generation of murine Foxp3 ⁺ regulatory T cells. <i>European Journal of Immunology</i> , 2020, 50, 986-999.	2.9	6