

Tom Huxford

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3324427/tom-huxford-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

2,355
citations

18
h-index

48
g-index

52
ext. papers

2,572
ext. citations

6.1
avg, IF

4.68
L-index

#	Paper	IF	Citations
46	Structures of Aplysia AChBP complexes with nicotinic agonists and antagonists reveal distinctive binding interfaces and conformations. <i>EMBO Journal</i> , 2005 , 24, 3635-46	13	556
45	The crystal structure of the IkappaBalpaha/NF-kappaB complex reveals mechanisms of NF-kappaB inactivation. <i>Cell</i> , 1998 , 95, 759-70	56.2	522
44	IkappaBbeta, but not IkappaBalpaha, functions as a classical cytoplasmic inhibitor of NF-kappaB dimers by masking both NF-kappaB nuclear localization sequences in resting cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 45225-35	5.4	139
43	Ikappa Balpaha functions through direct contacts with the nuclear localization signals and the DNA binding sequences of NF-kappaB. <i>Journal of Biological Chemistry</i> , 1998 , 273, 25427-35	5.4	134
42	Biophysical characterization of the free IkappaBalpaha ankyrin repeat domain in solution. <i>Protein Science</i> , 2004 , 13, 1767-77	6.3	96
41	X-ray crystal structure of an IkappaBbeta x NF-kappaB p65 homodimer complex. <i>Journal of Biological Chemistry</i> , 2003 , 278, 23094-100	5.4	91
40	Mechanism of I kappa B alpha binding to NF-kappa B dimers. <i>Journal of Biological Chemistry</i> , 2000 , 275, 29840-6	5.4	89
39	A structural guide to proteins of the NF-kappaB signaling module. <i>Cold Spring Harbor Perspectives in Biology</i> , 2009 , 1, a000075	10.2	77
38	A structural basis for IB kinase 2 activation via oligomerization-dependent trans auto-phosphorylation. <i>PLoS Biology</i> , 2013 , 11, e1001581	9.7	73
37	NF-B, IB, and IKK: Integral Components of Immune System Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1172, 207-226	3.6	70
36	The role of DNA in the mechanism of NFkappaB dimer formation: crystal structures of the dimerization domains of the p50 and p65 subunits. <i>Structure</i> , 1997 , 5, 1427-36	5.2	69
35	Thermodynamics reveal that helix four in the NLS of NF-kappaB p65 anchors IkappaBalpaha, forming a very stable complex. <i>Journal of Molecular Biology</i> , 2006 , 360, 421-34	6.5	62
34	Genome reading by the NF-B transcription factors. <i>Nucleic Acids Research</i> , 2019 , 47, 9967-9989	20.1	51
33	The nuclear I kappaB protein I kappaB zeta specifically binds NF-kappaB p50 homodimers and forms a ternary complex on kappaB DNA. <i>Journal of Molecular Biology</i> , 2008 , 379, 122-35	6.5	49
32	The crystal structure of sphingosine-1-phosphate in complex with a Fab fragment reveals metal bridging of an antibody and its antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17717-22	11.5	43
31	Molecular mimicry of the NF-kappaB DNA target site by a selected RNA aptamer. <i>Current Opinion in Structural Biology</i> , 2004 , 14, 21-7	8.1	40
30	Solvent exposed non-contacting amino acids play a critical role in NF-kappaB/IkappaBalpaha complex formation. <i>Journal of Molecular Biology</i> , 2002 , 324, 587-97	6.5	30

29	X-ray crystal structure of the UCS domain-containing UNC-45 myosin chaperone from <i>Drosophila melanogaster</i> . <i>Structure</i> , 2011 , 19, 397-408	5.2	26
28	Biochemical and structural characterization of lysophosphatidic Acid binding by a humanized monoclonal antibody. <i>Journal of Molecular Biology</i> , 2011 , 408, 462-76	6.5	16
27	Understanding the logic of IB:NF- κ B regulation in structural terms. <i>Current Topics in Microbiology and Immunology</i> , 2011 , 349, 1-24	3.3	16
26	Preparation and crystallization of dynamic NF- κ B. I κ B complexes. <i>Journal of Biological Chemistry</i> , 2000 , 275, 32800-6	5.4	15
25	Structural characterization of agonist and antagonist-bound acetylcholine-binding protein from <i>Aplysia californica</i> . <i>Journal of Molecular Neuroscience</i> , 2006 , 30, 101-2	3.3	13
24	Effect of Mutation and Substrate Binding on the Stability of Cytochrome P450BM3 Variants. <i>Biochemistry</i> , 2016 , 55, 3594-606	3.2	12
23	Protein Cofactors Are Essential for High-Affinity DNA Binding by the Nuclear Factor κ B RelA Subunit. <i>Biochemistry</i> , 2018 , 57, 2943-2957	3.2	11
22	Borate as a synergistic anion for <i>Marinobacter algicola</i> ferric binding protein, FbpA: a role for boron in iron transport in marine life. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14504-7	16.4	10
21	The human IKK β subunit kinase domain displays CK2-like phosphorylation specificity. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 374, 592-7	3.4	9
20	Design of High-Affinity Metal-Controlled Protein Dimers. <i>Biochemistry</i> , 2019 , 58, 2199-2207	3.2	6
19	Inhibition of transcription factor NF- κ B activation by κ B-Ras. <i>Methods in Enzymology</i> , 2006 , 407, 527-34	1.7	6
18	Transgenic expression and purification of myosin isoforms using the <i>Drosophila melanogaster</i> indirect flight muscle system. <i>Methods</i> , 2012 , 56, 25-32	4.6	5
17	Probing kinase activation and substrate specificity with an engineered monomeric IKK2. <i>Biochemistry</i> , 2014 , 53, 2064-73	3.2	4
16	Small molecule binding to inhibitor of nuclear factor κ -B kinase subunit β in an ATP non-competitive manner. <i>Chemical Communications</i> , 2021 , 57, 4678-4681	5.8	4
15	High-affinity pan-specific monoclonal antibodies that target cysteinyl leukotrienes and show efficacy in an acute model of colitis. <i>Journal of Lipid Research</i> , 2017 , 58, 1386-1398	6.3	3
14	Structural comparison of three crystalline complexes of a peptidic toxin with a synaptic acetylcholine recognition protein. <i>Journal of Molecular Neuroscience</i> , 2006 , 30, 103-4	3.3	3
13	Stapling proteins in the RELA complex inhibits TNF α -induced nuclear translocation of RELA.. <i>RSC Chemical Biology</i> , 2022 , 3, 32-36	3	2
12	Structurally plastic NEMO and oligomerization prone IKK2 subunits define the behavior of human IKK2:NEMO complexes in solution. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140526	4	2

11	X-ray Crystallographic and Molecular Dynamic Analyses of Drosophila melanogaster Embryonic Muscle Myosin Define Domains Responsible for Isoform-Specific Properties. <i>Journal of Molecular Biology</i> , 2020 , 432, 427-447	6.5	1
10	Regulatory subunit NEMO promotes polyubiquitin-dependent induction of NF- κ B through a targetable second interaction with upstream activator IKK2.. <i>Journal of Biological Chemistry</i> , 2022 , 101864	5.4	0
9	Dimers of isatin derived β -methylene- β -butyrolactone as potent anti-cancer agents.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022 , 128713	2.9	0
8	Structural Analysis of NF- κ B and I κ B Proteins 2006 , 1-11		
7	B -RAS: A Small Gtpase That Influences NF- κ B Signaling 2006 , 341-352		
6	Structural Aspects of NF- κ B and I κ B Proteins 2006 , 9-24		
5	A mechanism for signal-dependent IKK α activation driven by molecular interactions with poly-ubiquitin-bound NEMO. <i>FASEB Journal</i> , 2018 , 32, 662.10	0.9	
4	Expression and Characterization of the Drosophila melanogaster (Dm)IKK α complex. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
3	Recognition of Nucleic Acids by Transcription Factor NF- κ B 2010 , 85-106		
2	Transgenic Expression and Purification of Myosin Isoforms Using the Drosophila melanogaster Indirect Flight Muscle System. <i>FASEB Journal</i> , 2012 , 26, 1b204	0.9	
1	LT1002 Metalloantibody Uses Ca ²⁺ Cofactor. <i>FASEB Journal</i> , 2013 , 27, 1047.1	0.9	