

# Tom Huxford

## List of Publications by Year in Descending Order

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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	Stapling proteins in the RELA complex inhibits TNF-induced nuclear translocation of RELA.. <i>RSC Chemical Biology</i> , <b>2022</b> , 3, 32-36	3	2
45	Regulatory subunit NEMO promotes polyubiquitin-dependent induction of NF- $\kappa$ B through a targetable second interaction with upstream activator IKK2.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101864	5.4	0
44	Dimers of isatin derived $\beta$ -methylene- $\beta$ -butyrolactone as potent anti-cancer agents.. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2022</b> , 128713	2.9	0
43	Small molecule binding to inhibitor of nuclear factor kappa-B kinase subunit beta in an ATP non-competitive manner. <i>Chemical Communications</i> , <b>2021</b> , 57, 4678-4681	5.8	4
42	Expression and Characterization of the Drosophila melanogaster (Dm)IKK $\alpha$ complex. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
41	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> , <b>2020</b> , 432, 427-447	6.5	1
40	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> , <b>2020</b> , 1868, 140526	4	2
39	Design of High-Affinity Metal-Controlled Protein Dimers. <i>Biochemistry</i> , <b>2019</b> , 58, 2199-2207	3.2	6
38	Genome reading by the NF- $\kappa$ B transcription factors. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 9967-9989	20.1	51
37	NF- $\kappa$ B, I $\kappa$ B, and IKK: Integral Components of Immune System Signaling. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1172, 207-226	3.6	70
36	Protein Cofactors Are Essential for High-Affinity DNA Binding by the Nuclear Factor $\kappa$ B RelA Subunit. <i>Biochemistry</i> , <b>2018</b> , 57, 2943-2957	3.2	11
35	A mechanism for signal-dependent IKK $\alpha$ activation driven by molecular interactions with poly-ubiquitin-bound NEMO. <i>FASEB Journal</i> , <b>2018</b> , 32, 662.10	0.9	
34	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> , <b>2017</b> , 58, 1386-1398	6.3	3
33	Effect of Mutation and Substrate Binding on the Stability of Cytochrome P450BM3 Variants. <i>Biochemistry</i> , <b>2016</b> , 55, 3594-606	3.2	12
32	Probing kinase activation and substrate specificity with an engineered monomeric IKK2. <i>Biochemistry</i> , <b>2014</b> , 53, 2064-73	3.2	4
31	Borate as a synergistic anion for Marinobacter algicola ferric binding protein, FbpA: a role for boron in iron transport in marine life. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14504-7	16.4	10
30	A structural basis for I $\kappa$ B kinase 2 activation via oligomerization-dependent trans auto-phosphorylation. <i>PLoS Biology</i> , <b>2013</b> , 11, e1001581	9.7	73

29	LT1002 Metalloantibody Uses Ca <sup>2+</sup> Cofactor. <i>FASEB Journal</i> , <b>2013</b> , 27, 1047.1	0.9	
28	Transgenic expression and purification of myosin isoforms using the <i>Drosophila melanogaster</i> indirect flight muscle system. <i>Methods</i> , <b>2012</b> , 56, 25-32	4.6	5
27	Transgenic Expression and Purification of Myosin Isoforms Using the <i>Drosophila melanogaster</i> Indirect Flight Muscle System. <i>FASEB Journal</i> , <b>2012</b> , 26, lb204	0.9	
26	Biochemical and structural characterization of lysophosphatidic Acid binding by a humanized monoclonal antibody. <i>Journal of Molecular Biology</i> , <b>2011</b> , 408, 462-76	6.5	16
25	X-ray crystal structure of the UCS domain-containing UNC-45 myosin chaperone from <i>Drosophila melanogaster</i> . <i>Structure</i> , <b>2011</b> , 19, 397-408	5.2	26
24	Understanding the logic of I $\kappa$ B:NF- $\kappa$ B regulation in structural terms. <i>Current Topics in Microbiology and Immunology</i> , <b>2011</b> , 349, 1-24	3.3	16
23	Recognition of Nucleic Acids by Transcription Factor NF- $\kappa$ B <b>2010</b> , 85-106		
22	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> , <b>2009</b> , 106, 17717-22	11.5	43
21	A structural guide to proteins of the NF-kappaB signaling module. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2009</b> , 1, a000075	10.2	77
20	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> , <b>2008</b> , 379, 122-35	6.5	49
19	The human IKKbeta subunit kinase domain displays CK2-like phosphorylation specificity. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 374, 592-7	3.4	9
18	Inhibition of transcription factor NF-kappaB activation by kappaB-Ras. <i>Methods in Enzymology</i> , <b>2006</b> , 407, 527-34	1.7	6
17	Thermodynamics reveal that helix four in the NLS of NF-kappaB p65 anchors IkappaBalpha, forming a very stable complex. <i>Journal of Molecular Biology</i> , <b>2006</b> , 360, 421-34	6.5	62
16	Structural characterization of agonist and antagonist-bound acetylcholine-binding protein from <i>Aplysia californica</i> . <i>Journal of Molecular Neuroscience</i> , <b>2006</b> , 30, 101-2	3.3	13
15	Structural comparison of three crystalline complexes of a peptidic toxin with a synaptic acetylcholine recognition protein. <i>Journal of Molecular Neuroscience</i> , <b>2006</b> , 30, 103-4	3.3	3
14	Structural Analysis of NF- $\kappa$ B and I $\kappa$ B Proteins <b>2006</b> , 1-11		
13	B-RAS: A Small Gtpase That Influences NF- $\kappa$ B Signaling <b>2006</b> , 341-352		
12	Structural Aspects of NF- $\kappa$ B and I $\kappa$ B Proteins <b>2006</b> , 9-24		

11	Structures of Aplysia AChBP complexes with nicotinic agonists and antagonists reveal distinctive binding interfaces and conformations. <i>EMBO Journal</i> , <b>2005</b> , 24, 3635-46	13	556
10	Molecular mimicry of the NF-kappaB DNA target site by a selected RNA aptamer. <i>Current Opinion in Structural Biology</i> , <b>2004</b> , 14, 21-7	8.1	40
9	Biophysical characterization of the free IkappaBalpa ankyrin repeat domain in solution. <i>Protein Science</i> , <b>2004</b> , 13, 1767-77	6.3	96
8	X-ray crystal structure of an IkappaBbeta x NF-kappaB p65 homodimer complex. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 23094-100	5.4	91
7	Solvent exposed non-contacting amino acids play a critical role in NF-kappaB/IkappaBalpa complex formation. <i>Journal of Molecular Biology</i> , <b>2002</b> , 324, 587-97	6.5	30
6	IkappaBbeta, but not IkappaBalpa, 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> , <b>2001</b> , 276, 45225-35	5.4	139
5	Preparation and crystallization of dynamic NF-kappa B.Ikappa B complexes. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 32800-6	5.4	15
4	Mechanism of I kappa B alpha binding to NF-kappa B dimers. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 29840-6	5.4	89
3	The crystal structure of the IkappaBalpa/NF-kappaB complex reveals mechanisms of NF-kappaB inactivation. <i>Cell</i> , <b>1998</b> , 95, 759-70	56.2	522
2	Ikappa Balpa functions through direct contacts with the nuclear localization signals and the DNA binding sequences of NF-kappaB. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 25427-35	5.4	134
1	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> , <b>1997</b> , 5, 1427-36	5.2	69