

Amjad Farooq

List of Publications by Year in descending order

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80
papers

3,422
citations

172457

29
h-index

149698

56
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80
all docs

80
docs citations

80
times ranked

5151
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and regulation of MAPK phosphatases. <i>Cellular Signalling</i> , 2004, 16, 769-779.	3.6	402
2	Structure and conserved RNA binding of the PAZ domain. <i>Nature</i> , 2003, 426, 469-474.	27.8	395
3	Structural Basis of Lysine-Acetylated HIV-1 Tat Recognition by PCAF Bromodomain. <i>Molecular Cell</i> , 2002, 9, 575-586.	9.7	229
4	Whole-Exome Sequencing Links a Variant in DHDDS to Retinitis Pigmentosa. <i>American Journal of Human Genetics</i> , 2011, 88, 201-206.	6.2	155
5	MASP1 Mutations in Patients with Facial, Umbilical, Coccygeal, and Auditory Findings of Carnevale, Malpuech, OSA, and Michels Syndromes. <i>American Journal of Human Genetics</i> , 2010, 87, 679-686.	6.2	128
6	Evidence That Bilayer Bending Rigidity Affects Membrane Protein Folding. <i>Biochemistry</i> , 1997, 36, 197-203.	2.5	117
7	Structures of YAP protein domains reveal promising targets for development of new cancer drugs. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 827-833.	5.0	113
8	Solution Structure of ERK2 Binding Domain of MAPK Phosphatase MKP-3. <i>Molecular Cell</i> , 2001, 7, 387-399.	9.7	112
9	A missense mutation in DCDC2 causes human recessive deafness DFNB66, likely by interfering with sensory hair cell and supporting cell cilia length regulation. <i>Human Molecular Genetics</i> , 2015, 24, 2482-2491.	2.9	87
10	Identification, basic characterization and evolutionary analysis of differentially spliced mRNA isoforms of human YAP1 gene. <i>Gene</i> , 2012, 509, 215-222.	2.2	86
11	A dimeric viral SET domain methyltransferase specific to Lys27 of histone H3. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 187-196.	8.2	85
12	Retinal Binding during Folding and Assembly of the Membrane Protein Bacteriorhodopsin. <i>Biochemistry</i> , 1996, 35, 5902-5909.	2.5	70
13	FAM65B is a membrane-associated protein of hair cell stereocilia required for hearing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9864-9868.	7.1	70
14	Structural and Functional Diversity of Estrogen Receptor Ligands. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1372-1384.	2.1	59
15	Muc4's ErbB2 Complex Formation and Signaling in Polarized CACO-2 Epithelial Cells Indicate That Muc4 Acts as an Unorthodox Ligand for ErbB2. <i>Molecular Biology of the Cell</i> , 2006, 17, 2931-2941.	2.1	57
16	Structural Insights of the Specificity and Catalysis of a Viral Histone H3 Lysine 27 Methyltransferase. <i>Journal of Molecular Biology</i> , 2006, 359, 86-96.	4.2	55
17	Y65C Missense Mutation in the WW Domain of the Golabi-Ito-Hall Syndrome Protein PQBP1 Affects Its Binding Activity and Deregulates Pre-mRNA Splicing. <i>Journal of Biological Chemistry</i> , 2010, 285, 19391-19401.	3.4	53
18	Solution Structure of the MAPK Phosphatase PAC-1 Catalytic Domain. <i>Structure</i> , 2003, 11, 155-164.	3.3	48

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19	WW or WoW: The WW domains in a union of bliss. <i>IUBMB Life</i> , 2005, 57, 773-778.	3.4	48
20	Structure of the Neural (N-) Cadherin Prodomain Reveals a Cadherin Extracellular Domain-like Fold without Adhesive Characteristics. <i>Structure</i> , 2004, 12, 793-805.	3.3	47
21	SCO2 mutations cause early-onset axonal Charcot-Marie-Tooth disease associated with cellular copper deficiency. <i>Brain</i> , 2018, 141, 662-672.	7.6	46
22	Intermediates in the Assembly of Bacteriorhodopsin Investigated by Time-Resolved Absorption Spectroscopy. <i>FEBS Journal</i> , 1997, 246, 674-680.	0.2	42
23	ROR1 is essential for proper innervation of auditory hair cells and hearing in humans and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5993-5998.	7.1	42
24	SH3 Domains of Grb2 Adaptor Bind to PX \ddot{I} PXR Motifs Within the Sos1 Nucleotide Exchange Factor in a Discriminate Manner. <i>Biochemistry</i> , 2009, 48, 4074-4085.	2.5	39
25	Biophysical Basis of the Binding of WWOX Tumor Suppressor to WBP1 and WBP2 Adaptors. <i>Journal of Molecular Biology</i> , 2012, 422, 58-74.	4.2	39
26	S-Nitrosylation of ApoE in Alzheimer's Disease. <i>Biochemistry</i> , 2011, 50, 3405-3407.	2.5	36
27	Phosphotyrosine Binding Domains of Shc and Insulin Receptor Substrate 1 Recognize the NPXpY Motif in a Thermodynamically Distinct Manner. <i>Journal of Biological Chemistry</i> , 1999, 274, 6114-6121.	3.4	35
28	New Insights into the Catalytic Activation of the MAPK Phosphatase PAC-1 Induced by its Substrate MAPK ERK2 Binding. <i>Journal of Molecular Biology</i> , 2005, 354, 777-788.	4.2	35
29	Biophysical characterization reveals structural disorder in the developmental transcriptional regulator LBH. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1104-1109.	2.1	32
30	Biophysical Analysis of Binding of WW Domains of the YAP2 Transcriptional Regulator to PPXY Motifs within WBP1 and WBP2 Adaptors. <i>Biochemistry</i> , 2011, 50, 9616-9627.	2.5	30
31	Molecular insights into the WW domain of the Golgi-Hall syndrome protein PQBP1. <i>FEBS Letters</i> , 2012, 586, 2795-2799.	2.8	30
32	FRS2 PTB Domain Conformation Regulates Interactions with Divergent Neurotrophic Receptors. <i>Journal of Biological Chemistry</i> , 2002, 277, 17088-17094.	3.4	28
33	Structural and thermodynamic consequences of the replacement of zinc with environmental metals on estrogen receptor-DNA interactions. <i>Journal of Molecular Recognition</i> , 2011, 24, 1007-1017.	2.1	27
34	Grb2 adaptor undergoes conformational change upon dimerization. <i>Archives of Biochemistry and Biophysics</i> , 2008, 475, 25-35.	3.0	26
35	Molecular Origin of the Binding of WWOX Tumor Suppressor to ErbB4 Receptor Tyrosine Kinase. <i>Biochemistry</i> , 2013, 52, 9223-9236.	2.5	26
36	Coupling of folding and DNA-binding in the bZIP domains of Jun-Fos heterodimeric transcription factor. <i>Archives of Biochemistry and Biophysics</i> , 2008, 473, 48-60.	3.0	25

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37	Single Nucleotide Variants of the TGA ₂ CTCA Motif Modulate Energetics and Orientation of Binding of the Jun-Fos Heterodimeric Transcription Factor. <i>Biochemistry</i> , 2009, 48, 1975-1983.	2.5	25
38	Coupling of Folding and Binding in the PTB Domain of the Signaling Protein Shc. <i>Structure</i> , 2003, 11, 905-913.	3.3	24
39	Molecular Basis of Distinct Interactions Between Dok1 PTB Domain and Tyrosine-phosphorylated EGF Receptor. <i>Journal of Molecular Biology</i> , 2004, 343, 1147-1155.	4.2	23
40	Structural basis of the differential binding of the SH3 domains of Grb2 adaptor to the guanine nucleotide exchange factor Sos1. <i>Archives of Biochemistry and Biophysics</i> , 2008, 479, 52-62.	3.0	19
41	Assembly of the Sos1-Grb2-Gab1 ternary signaling complex is under allosteric control. <i>Archives of Biochemistry and Biophysics</i> , 2010, 494, 216-225.	3.0	19
42	A multi-trimeric fusion of CD40L and gp100 tumor antigen activates dendritic cells and enhances survival in a B16-F10 melanoma DNA vaccine model. <i>Vaccine</i> , 2015, 33, 4798-4806.	3.8	18
43	Binding of the ER α Nuclear Receptor to DNA Is Coupled to Proton Uptake. <i>Biochemistry</i> , 2010, 49, 5978-5988.	2.5	17
44	pH modulates the binding of early growth response protein-1 transcription factor to DNA. <i>FEBS Journal</i> , 2013, 280, 3669-3684.	4.7	17
45	Evidence that the bZIP domains of the Jun transcription factor bind to DNA as monomers prior to folding and homodimerization. <i>Archives of Biochemistry and Biophysics</i> , 2008, 480, 75-84.	3.0	16
46	Ligand binding to WW tandem domains of YAP2 transcriptional regulator is under negative cooperativity. <i>FEBS Journal</i> , 2014, 281, 5532-5551.	4.7	16
47	Molecular basis of the binding of YAP transcriptional regulator to the ErbB4 receptor tyrosine kinase. <i>Biochimie</i> , 2014, 101, 192-202.	2.6	16
48	DNA Plasticity Is a Key Determinant of the Energetics of Binding of Jun-Fos Heterodimeric Transcription Factor to Genetic Variants of TGACGTCA Motif. <i>Biochemistry</i> , 2009, 48, 12213-12222.	2.5	15
49	Dysfunction of GRAP, encoding the GRB2-related adaptor protein, is linked to sensorineural hearing loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1347-1352.	7.1	15
50	Binding of the cSH3 domain of Grb2 adaptor to two distinct RXXK motifs within Gab1 docker employs differential mechanisms. <i>Journal of Molecular Recognition</i> , 2011, 24, 585-596.	2.1	13
51	Ligand Binding and Membrane Insertion Compete with Oligomerization of the BclXL Apoptotic Repressor. <i>Journal of Molecular Biology</i> , 2012, 416, 57-77.	4.2	13
52	Phosphorylation of Tyr188 in the WW domain of YAP1 plays an essential role in YAP1-induced cellular transformation. <i>Cell Cycle</i> , 2016, 15, 2497-2505.	2.6	13
53	Thermodynamic analysis of the heterodimerization of leucine zippers of Jun and Fos transcription factors. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 634-638.	2.1	12
54	Dissecting the role of leucine zippers in the binding of bZIP domains of Jun transcription factor to DNA. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 1030-1035.	2.1	12

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55	Genetic variations within the ERE motif modulate plasticity and energetics of binding of DNA to the ER \pm nuclear receptor. Archives of Biochemistry and Biophysics, 2011, 507, 262-270.	3.0	12
56	Energetic coupling along an allosteric communication channel drives the binding of Jun ϵ Fos heterodimeric transcription factor to DNA. FEBS Journal, 2011, 278, 2090-2104.	4.7	12
57	Acidic pH promotes oligomerization and membrane insertion of the BclXL apoptotic repressor. Archives of Biochemistry and Biophysics, 2012, 528, 32-44.	3.0	12
58	Bivalent binding drives the formation of the Grb2 ϵ Gab1 signaling complex in a noncooperative manner. FEBS Journal, 2012, 279, 2156-2173.	4.7	12
59	Structure of the Adaptor Protein p14 Reveals a Profilin-like Fold with Distinct Function. Journal of Molecular Biology, 2005, 347, 309-321.	4.2	11
60	Structural insights into the functional versatility of WW domain-containing oxidoreductase tumor suppressor. Experimental Biology and Medicine, 2015, 240, 361-374.	2.4	11
61	PTB or Not to Be: Promiscuous, Tolerant and Bizarro Domains Come of Age. IUBMB Life, 2004, 56, 547-557.	3.4	10
62	Multivalent Binding and Facilitated Diffusion Account for the Formation of the Grb2 ϵ Sos1 Signaling Complex in a Cooperative Manner. Biochemistry, 2012, 51, 2122-2135.	2.5	9
63	Biophysical basis of the promiscuous binding of B ϵ cell lymphoma protein 2 apoptotic repressor to BH3 ligands. Journal of Molecular Recognition, 2013, 26, 501-513.	2.1	8
64	Allostery mediates ligand binding to Grb2 adaptor in a mutually exclusive manner. Journal of Molecular Recognition, 2013, 26, 92-103.	2.1	8
65	Novel variant p.E269K confirms causative role of <i>PLS1</i> mutations in autosomal dominant hearing loss. Clinical Genetics, 2019, 96, 575-578.	2.0	8
66	Kinetic Evidence for an Obligatory Intermediate in the Folding of the Membrane Protein Bacteriorhodopsin. Biochemistry, 1998, 37, 15170-15176.	2.5	7
67	Structural landscape of the proline-rich domain of Sos1 nucleotide exchange factor. Biophysical Chemistry, 2013, 175-176, 54-62.	2.8	7
68	Allostery mediates ligand binding to WWOX tumor suppressor via a conformational switch. Journal of Molecular Recognition, 2015, 28, 220-231.	2.1	7
69	Effect of osmolytes on the binding of <i>EGR</i> 1 transcription factor to <i>DNA</i> . Biopolymers, 2015, 103, 74-87.	2.4	7
70	Interplay between HGAL and Grb2 proteins regulates B-cell receptor signaling. Blood Advances, 2019, 3, 2286-2297.	5.2	7
71	Heat-induced fibrillation of BclXL apoptotic repressor. Biophysical Chemistry, 2013, 179, 12-25.	2.8	6
72	Molecular determinants of the binding specificity of BH3 ligands to BclXL apoptotic repressor. Biopolymers, 2014, 101, 573-582.	2.4	5

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73	¹ H, ¹³ C and ¹⁵ N resonance assignments of the ERK2 binding domain of the MAPK phosphatase MKP-3. Journal of Biomolecular NMR, 2001, 19, 195-196.	2.8	2
74	Role of promoter DNA sequence variations on the binding of EGR1 transcription factor. Archives of Biochemistry and Biophysics, 2014, 549, 1-11.	3.0	2
75	Enthalpic factors override the polyelectrolyte effect in the binding of EGR1 transcription factor to DNA. Journal of Molecular Recognition, 2014, 27, 82-91.	2.1	2
76	¹ H, ¹³ C and ¹⁵ N resonance assignments of a viral SET domain histone lysine methyltransferase. Journal of Biomolecular NMR, 2003, 26, 279-280.	2.8	0
77	¹ H, ¹³ C and ¹⁵ N resonance assignments of the catalytic domain of human MAPK phosphatase, PAC-1. Journal of Biomolecular NMR, 2003, 25, 79-80.	2.8	0
78	¹ H, ¹⁵ N and ¹³ C resonance assignments for the PTB domain of the signaling protein Shc. Journal of Biomolecular NMR, 2003, 25, 255-256.	2.8	0
79	Letter to the Editor: ¹ H, ¹³ C and ¹⁵ N resonance assignments for the N-cadherin prodomain. Journal of Biomolecular NMR, 2004, 28, 87-88.	2.8	0
80	Letter to the editor: Resonance assignments for the endosomal adaptor protein p14. Journal of Biomolecular NMR, 2004, 30, 367-368.	2.8	0