

Amjad Farooq

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,422
citations

172457

29
h-index

149698

56
g-index

80
all docs

80
docs citations

80
times ranked

5151
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Novel variant p.E269K confirms causative role of <i>PLS1</i> mutations in autosomal dominant hearing loss. <i>Clinical Genetics</i> , 2019, 96, 575-578. | 2.0 | 8 |
| 2 | Interplay between HGAL and Grb2 proteins regulates B-cell receptor signaling. <i>Blood Advances</i> , 2019, 3, 2286-2297. | 5.2 | 7 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Allostery mediates ligand binding to WWOX tumor suppressor via a conformational switch. <i>Journal of Molecular Recognition</i> , 2015, 28, 220-231. | 2.1 | 7 |
| 8 | 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 |
| 9 | Effect of osmolytes on the binding of <i>EGR</i> 1 transcription factor to <i>DNA</i> . <i>Biopolymers</i> , 2015, 103, 74-87. | 2.4 | 7 |
| 10 | 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 |
| 11 | Structural insights into the functional versatility of WW domain-containing oxidoreductase tumor suppressor. <i>Experimental Biology and Medicine</i> , 2015, 240, 361-374. | 2.4 | 11 |
| 12 | Structural and Functional Diversity of Estrogen Receptor Ligands. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1372-1384. | 2.1 | 59 |
| 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 | Molecular determinants of the binding specificity of BH3 ligands to BclXL apoptotic repressor. <i>Biopolymers</i> , 2014, 101, 573-582. | 2.4 | 5 |
| 15 | Ligand binding to <i>WW</i> tandem domains of <i>YAP</i> 2 transcriptional regulator is under negative cooperativity. <i>FEBS Journal</i> , 2014, 281, 5532-5551. | 4.7 | 16 |
| 16 | Role of promoter DNA sequence variations on the binding of <i>EGR</i> 1 transcription factor. <i>Archives of Biochemistry and Biophysics</i> , 2014, 549, 1-11. | 3.0 | 2 |
| 17 | Molecular basis of the binding of <i>YAP</i> transcriptional regulator to the ErbB4 receptor tyrosine kinase. <i>Biochimie</i> , 2014, 101, 192-202. | 2.6 | 16 |
| 18 | Enthalpic factors override the polyelectrolyte effect in the binding of <i>EGR</i> 1 transcription factor to DNA. <i>Journal of Molecular Recognition</i> , 2014, 27, 82-91. | 2.1 | 2 |

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|----|--|-----|-----------|
| 19 | Biophysical basis of the promiscuous binding of Bâ€cell lymphoma protein 2 apoptotic repressor to BH3 ligands. <i>Journal of Molecular Recognition</i> , 2013, 26, 501-513. | 2.1 | 8 |
| 20 | Structural landscape of the proline-rich domain of Sos1 nucleotide exchange factor. <i>Biophysical Chemistry</i> , 2013, 175-176, 54-62. | 2.8 | 7 |
| 21 | Allostery mediates ligand binding to Grb2 adaptor in a mutually exclusive manner. <i>Journal of Molecular Recognition</i> , 2013, 26, 92-103. | 2.1 | 8 |
| 22 | Heat-induced fibrillation of BclXL apoptotic repressor. <i>Biophysical Chemistry</i> , 2013, 179, 12-25. | 2.8 | 6 |
| 23 | pH modulates the binding of early growth response proteinâ1 transcription factor to <scp>DNA</scp>. <i>FEBS Journal</i> , 2013, 280, 3669-3684. | 4.7 | 17 |
| 24 | Molecular Origin of the Binding of WWOX Tumor Suppressor to ErbB4 Receptor Tyrosine Kinase. <i>Biochemistry</i> , 2013, 52, 9223-9236. | 2.5 | 26 |
| 25 | Multivalent Binding and Facilitated Diffusion Account for the Formation of the Grb2â€Sos1 Signaling Complex in a Cooperative Manner. <i>Biochemistry</i> , 2012, 51, 2122-2135. | 2.5 | 9 |
| 26 | 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 |
| 27 | 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 |
| 28 | Molecular insights into the WW domain of the Golabiâ€Katoâ€Hall syndrome protein PQBP1. <i>FEBS Letters</i> , 2012, 586, 2795-2799. | 2.8 | 30 |
| 29 | Acidic pH promotes oligomerization and membrane insertion of the BclXL apoptotic repressor. <i>Archives of Biochemistry and Biophysics</i> , 2012, 528, 32-44. | 3.0 | 12 |
| 30 | 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 |
| 31 | 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 |
| 32 | Bivalent binding drives the formation of the Grb2â€Gab1 signaling complex in a noncooperative manner. <i>FEBS Journal</i> , 2012, 279, 2156-2173. | 4.7 | 12 |
| 33 | 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 |
| 34 | S-Nitrosylation of ApoE in Alzheimerâ€™s Disease. <i>Biochemistry</i> , 2011, 50, 3405-3407. | 2.5 | 36 |
| 35 | Genetic variations within the ERE motif modulate plasticity and energetics of binding of DNA to the ERâ nuclear receptor. <i>Archives of Biochemistry and Biophysics</i> , 2011, 507, 262-270. | 3.0 | 12 |
| 36 | Energetic coupling along an allosteric communication channel drives the binding of Junâ€Fos heterodimeric transcription factor to DNA. <i>FEBS Journal</i> , 2011, 278, 2090-2104. | 4.7 | 12 |

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|----|--|-----|-----------|
| 37 | Whole-Exome Sequencing Links a Variant in DHDDS to Retinitis Pigmentosa. American Journal of Human Genetics, 2011, 88, 201-206. | 6.2 | 155 |
| 38 | Binding of the cSH3 domain of Grb2 adaptor to two distinct RXXK motifs within Gab1 docker employs differential mechanisms. Journal of Molecular Recognition, 2011, 24, 585-596. | 2.1 | 13 |
| 39 | Structural and thermodynamic consequences of the replacement of zinc with environmental metals on estrogen receptor DNA interactions. Journal of Molecular Recognition, 2011, 24, 1007-1017. | 2.1 | 27 |
| 40 | MASP1 Mutations in Patients with Facial, Umbilical, Coccygeal, and Auditory Findings of Carnevale, Malpuech, OSA, and Michels Syndromes. American Journal of Human Genetics, 2010, 87, 679-686. | 6.2 | 128 |
| 41 | Y65C Missense Mutation in the WW Domain of the Golabi-Ito-Hall Syndrome Protein PQBP1 Affects Its Binding Activity and Deregulates Pre-mRNA Splicing. Journal of Biological Chemistry, 2010, 285, 19391-19401. | 3.4 | 53 |
| 42 | Binding of the ER Nuclear Receptor to DNA Is Coupled to Proton Uptake. Biochemistry, 2010, 49, 5978-5988. | 2.5 | 17 |
| 43 | Biophysical characterization reveals structural disorder in the developmental transcriptional regulator LBH. Biochemical and Biophysical Research Communications, 2010, 391, 1104-1109. | 2.1 | 32 |
| 44 | Dissecting the role of leucine zippers in the binding of bZIP domains of Jun transcription factor to DNA. Biochemical and Biophysical Research Communications, 2010, 394, 1030-1035. | 2.1 | 12 |
| 45 | Assembly of the Sos-Grb2-Gab1 ternary signaling complex is under allosteric control. Archives of Biochemistry and Biophysics, 2010, 494, 216-225. | 3.0 | 19 |
| 46 | SH3 Domains of Grb2 Adaptor Bind to PXIPXR Motifs Within the Sos1 Nucleotide Exchange Factor in a Discriminate Manner. Biochemistry, 2009, 48, 4074-4085. | 2.5 | 39 |
| 47 | DNA Plasticity Is a Key Determinant of the Energetics of Binding of Jun-Fos Heterodimeric Transcription Factor to Genetic Variants of TGACGTC Motif. Biochemistry, 2009, 48, 12213-12222. | 2.5 | 15 |
| 48 | Single Nucleotide Variants of the TGACTCA Motif Modulate Energetics and Orientation of Binding of the Jun-Fos Heterodimeric Transcription Factor. Biochemistry, 2009, 48, 1975-1983. | 2.5 | 25 |
| 49 | Coupling of folding and DNA-binding in the bZIP domains of Jun-Fos heterodimeric transcription factor. Archives of Biochemistry and Biophysics, 2008, 473, 48-60. | 3.0 | 25 |
| 50 | Grb2 adaptor undergoes conformational change upon dimerization. Archives of Biochemistry and Biophysics, 2008, 475, 25-35. | 3.0 | 26 |
| 51 | Structural basis of the differential binding of the SH3 domains of Grb2 adaptor to the guanine nucleotide exchange factor Sos1. Archives of Biochemistry and Biophysics, 2008, 479, 52-62. | 3.0 | 19 |
| 52 | Evidence that the bZIP domains of the Jun transcription factor bind to DNA as monomers prior to folding and homodimerization. Archives of Biochemistry and Biophysics, 2008, 480, 75-84. | 3.0 | 16 |
| 53 | Thermodynamic analysis of the heterodimerization of leucine zippers of Jun and Fos transcription factors. Biochemical and Biophysical Research Communications, 2008, 375, 634-638. | 2.1 | 12 |
| 54 | Structural Insights of the Specificity and Catalysis of a Viral Histone H3 Lysine 27 Methyltransferase. Journal of Molecular Biology, 2006, 359, 86-96. | 4.2 | 55 |

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|----|---|------|-----------|
| 55 | Muc4â€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 |
| 56 | WW or WoW: The WW domains in a union of bliss. <i>IUBMB Life</i> , 2005, 57, 773-778. | 3.4 | 48 |
| 57 | Structure of the Adaptor Protein p14 Reveals a Profilin-like Fold with Distinct Function. <i>Journal of Molecular Biology</i> , 2005, 347, 309-321. | 4.2 | 11 |
| 58 | 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 |
| 59 | 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 |
| 60 | Structure and regulation of MAPK phosphatases. <i>Cellular Signalling</i> , 2004, 16, 769-779. | 3.6 | 402 |
| 61 | PTB or Not to Be: Promiscuous, Tolerant and Bizarro Domains Come of Age. <i>IUBMB Life</i> , 2004, 56, 547-557. | 3.4 | 10 |
| 62 | Letter to the Editor:1H,13C and15N resonance assignments for the N-cadherin prodomain. <i>Journal of Biomolecular NMR</i> , 2004, 28, 87-88. | 2.8 | 0 |
| 63 | Letter to the editor: Resonance assignments for the endosomal adaptor protein p14. <i>Journal of Biomolecular NMR</i> , 2004, 30, 367-368. | 2.8 | 0 |
| 64 | 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 |
| 65 | 1H, 13C and 15N resonance assignments of a viral SET domain histone lysine methyltransferase. <i>Journal of Biomolecular NMR</i> , 2003, 26, 279-280. | 2.8 | 0 |
| 66 | 1H, 13C and 15N resonance assignments of the catalytic domain of human MAPK phosphatase, PAC-1. <i>Journal of Biomolecular NMR</i> , 2003, 25, 79-80. | 2.8 | 0 |
| 67 | 1H, 15N and 13C resonance assignments for the PTB domain of the signaling protein Shc. <i>Journal of Biomolecular NMR</i> , 2003, 25, 255-256. | 2.8 | 0 |
| 68 | Solution Structure of the MAPK Phosphatase PAC-1 Catalytic Domain. <i>Structure</i> , 2003, 11, 155-164. | 3.3 | 48 |
| 69 | Coupling of Folding and Binding in the PTB Domain of the Signaling Protein Shc. <i>Structure</i> , 2003, 11, 905-913. | 3.3 | 24 |
| 70 | 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 |
| 71 | Structure and conserved RNA binding of the PAZ domain. <i>Nature</i> , 2003, 426, 469-474. | 27.8 | 395 |
| 72 | FRS2 PTB Domain Conformation Regulates Interactions with Divergent Neurotrophic Receptors. <i>Journal of Biological Chemistry</i> , 2002, 277, 17088-17094. | 3.4 | 28 |

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|----|--|-----|-----------|
| 73 | Structural Basis of Lysine-Acetylated HIV-1 Tat Recognition by PCAF Bromodomain. <i>Molecular Cell</i> , 2002, 9, 575-586. | 9.7 | 229 |
| 74 | Solution Structure of ERK2 Binding Domain of MAPK Phosphatase MKP-3. <i>Molecular Cell</i> , 2001, 7, 387-399. | 9.7 | 112 |
| 75 | ¹ H, ¹³ C and ¹⁵ N resonance assignments of the ERK2 binding domain of the MAPK phosphatase MKP-3. <i>Journal of Biomolecular NMR</i> , 2001, 19, 195-196. | 2.8 | 2 |
| 76 | 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 |
| 77 | Kinetic Evidence for an Obligatory Intermediate in the Folding of the Membrane Protein Bacteriorhodopsin. <i>Biochemistry</i> , 1998, 37, 15170-15176. | 2.5 | 7 |
| 78 | Evidence That Bilayer Bending Rigidity Affects Membrane Protein Folding. <i>Biochemistry</i> , 1997, 36, 197-203. | 2.5 | 117 |
| 79 | Intermediates in the Assembly of Bacteriorhodopsin Investigated by Time-Resolved Absorption Spectroscopy. <i>FEBS Journal</i> , 1997, 246, 674-680. | 0.2 | 42 |
| 80 | Retinal Binding during Folding and Assembly of the Membrane Protein Bacteriorhodopsin. <i>Biochemistry</i> , 1996, 35, 5902-5909. | 2.5 | 70 |