

Andrzej Ozyhar

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

1,566
citations

279487

23
h-index

395343

33
g-index

101
all docs

101
docs citations

101
times ranked

1546
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Controlling the conformational stability of coiled-coil peptides with a single stereogenic center of a peripheral l ² -amino acid residue. <i>RSC Advances</i> , 2022, 12, 4640-4647. | 1.7 | 0 |
| 2 | Nâ€²-terminal- and Ca ²⁺ -induced stabilization of high-order oligomers of full-length Danio rerio and Homo sapiens otolin-1. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1032-1047. | 3.6 | 2 |
| 3 | Destabilisation of the structure of transthyretin is driven by Ca ²⁺ . <i>International Journal of Biological Macromolecules</i> , 2021, 166, 409-423. | 3.6 | 12 |
| 4 | Counter-Diffusion System as an <i>in Vitro</i> Model in the Investigation of Proteins Involved in the Formation of Calcium Carbonate Biominerals. <i>Crystal Growth and Design</i> , 2021, 21, 1389-1400. | 1.4 | 5 |
| 5 | Nucleobindin-2 consists of two structural components: The Zn ²⁺ -sensitive N-terminal half, consisting of nesfatin-1 and -2, and the Ca ²⁺ -sensitive C-terminal half, consisting of nesfatin-3. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4300-4318. | 1.9 | 4 |
| 6 | Metal Ions Induce Liquid Condensate Formation by the F Domain of Aedes aegypti Ecdysteroid Receptor. <i>New Perspectives of Nuclear Receptor Studies. Cells</i> , 2021, 10, 571. | 1.8 | 4 |
| 7 | The Multifaceted Nature of Nucleobindin-2 in Carcinogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5687. | 1.8 | 8 |
| 8 | Molecular mechanism of calcium induced trimerization of C1q-like domain of otolin-1 from human and zebrafish. <i>Scientific Reports</i> , 2021, 11, 12778. | 1.6 | 4 |
| 9 | Transthyretin: From Structural Stability to Osteoarticular and Cardiovascular Diseases. <i>Cells</i> , 2021, 10, 1768. | 1.8 | 19 |
| 10 | Liquid-liquid phase separation of the intrinsically disordered AB region of hRXR β is driven by hydrophobic interactions. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 936-949. | 3.6 | 3 |
| 11 | Natural Mutations Affect Structure and Function of gC1q Domain of Otolin-1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9085. | 1.8 | 5 |
| 12 | The method utilized to purify the SARS-CoV-2 N protein can affect its molecular properties. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 391-403. | 3.6 | 6 |
| 13 | Deep blue autofluorescence reveals the instability of human transthyretin. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 492-499. | 3.6 | 5 |
| 14 | Transcription Regulators and Membraneless Organelles Challenges to Investigate Them. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12758. | 1.8 | 4 |
| 15 | Ordered structure-forming properties of the intrinsically disordered AB region of hRXR β and its ability to promote liquid-liquid phase separation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 198, 105571. | 1.2 | 11 |
| 16 | Fish Otolith Matrix Macromolecule-64 (OMM-64) and Its Role in Calcium Carbonate Biomineralization. <i>Crystal Growth and Design</i> , 2020, 20, 5808-5819. | 1.4 | 11 |
| 17 | The intrinsically disordered region of GCE protein adopts a more fixed structure by interacting with the LBD of the nuclear receptor FTZ-F1. <i>Cell Communication and Signaling</i> , 2020, 18, 180. | 2.7 | 8 |
| 18 | Calcium ions modulate the structure of the intrinsically disordered Nucleobindin-2 protein. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1091-1104. | 3.6 | 11 |

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|----|---|------|-----------|
| 19 | Functional derivatives of human dentin matrix protein 1 modulate morphology of calcium carbonate crystals. <i>FASEB Journal</i> , 2020, 34, 6147-6165. | 0.2 | 9 |
| 20 | Nuclear immunophilin FKBP39 from <i>Drosophila melanogaster</i> drives spontaneous liquid-liquid phase separation. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 108-119. | 3.6 | 3 |
| 21 | Copper(II)-Binding Induces a Unique Polyproline Type II Helical Structure within the Ion-Binding Segment in the Intrinsically Disordered F-Domain of Ecdysteroid Receptor from <i>Aedes aegypti</i> . <i>Inorganic Chemistry</i> , 2019, 58, 11782-11792. | 1.9 | 3 |
| 22 | The subcellular localization of bHLH transcription factor TCF4 is mediated by multiple nuclear localization and nuclear export signals. <i>Scientific Reports</i> , 2019, 9, 15629. | 1.6 | 5 |
| 23 | Lattice Shrinkage by Incorporation of Recombinant Starmaker-Like Protein within Bioinspired Calcium Carbonate Crystals. <i>Chemistry - A European Journal</i> , 2019, 25, 12740-12750. | 1.7 | 20 |
| 24 | <i>In vivo</i> and <i>in vitro</i> analysis of starmaker activity in zebrafish otolith biomineralization. <i>FASEB Journal</i> , 2019, 33, 6877-6886. | 0.2 | 22 |
| 25 | Destabilised human transthyretin shapes the morphology of calcium carbonate crystals. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 313-324. | 1.1 | 4 |
| 26 | The intrinsically disordered C-terminal F domain of the ecdysteroid receptor from <i>Aedes aegypti</i> exhibits metal ion-binding ability. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 186, 42-55. | 1.2 | 7 |
| 27 | pH-Induced transformation of ligated Au ₂₅ to brighter Au ₂₃ nanoclusters. <i>Nanoscale</i> , 2018, 10, 11335-11341. | 2.8 | 39 |
| 28 | Molecular determinants of <i>Drosophila</i> immunophilin FKBP39 nuclear localization. <i>Biological Chemistry</i> , 2018, 399, 467-484. | 1.2 | 6 |
| 29 | Multiple sequences orchestrate subcellular trafficking of neuronal PAS domain-containing protein 4 (NPAS4). <i>Journal of Biological Chemistry</i> , 2018, 293, 11255-11270. | 1.6 | 10 |
| 30 | Intrinsically disordered N-terminal domain of the <i>Helicoverpa armigera</i> Ultraspiracle stabilizes the dimeric form via a scorpion-like structure. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 183, 167-183. | 1.2 | 5 |
| 31 | The physiological role of nucleobindin-2/nesfatin-1 and their potential clinical significance. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2018, 72, 1084-1096. | 0.1 | 1 |
| 32 | Nucleoplasmin-like domain of FKBP39 from <i>Drosophila melanogaster</i> forms a tetramer with partly disordered tentacle-like C-terminal segments. <i>Scientific Reports</i> , 2017, 7, 40405. | 1.6 | 7 |
| 33 | Single-molecule electrometry. <i>Nature Nanotechnology</i> , 2017, 12, 488-495. | 15.6 | 75 |
| 34 | Effect of calcium ions on structure and stability of the C1q-like domain of otolin from human and zebrafish. <i>FEBS Journal</i> , 2017, 284, 4278-4297. | 2.2 | 25 |
| 35 | Structural properties of the intrinsically disordered, multiple calcium ion-binding otolith matrix macromolecule-64 (OMM-64). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1358-1371. | 1.1 | 17 |
| 36 | Is Transthyretin a Regulator of Ubc9 SUMOylation?. <i>PLoS ONE</i> , 2016, 11, e0160536. | 1.1 | 9 |

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|----|--|-----|-----------|
| 37 | Intrinsic Disorder of the C-Terminal Domain of Drosophila Methoprene-Tolerant Protein. PLoS ONE, 2016, 11, e0162950. | 1.1 | 8 |
| 38 | Mapping of the Sequences Directing Localization of the Drosophila Germ Cell-Expressed Protein (GCE). PLoS ONE, 2015, 10, e0133307. | 1.1 | 12 |
| 39 | Insight into the Unfolding Properties of Chd64, a Small, Single Domain Protein with a Globular Core and Disordered Tails. PLoS ONE, 2015, 10, e0137074. | 1.1 | 12 |
| 40 | Calcium Ion Binding Properties and the Effect of Phosphorylation on the Intrinsically Disordered Starmaker Protein. Biochemistry, 2015, 54, 6525-6534. | 1.2 | 25 |
| 41 | Structural Analyses of Ordered and Disordered Regions in Ecdysteroid Receptor. , 2015, , 93-117. | | 0 |
| 42 | Intrinsically Disordered and Pliable Starmaker-Like Protein from Medaka (<i>Oryzias latipes</i>) Controls the Formation of Calcium Carbonate Crystals. PLoS ONE, 2014, 9, e114308. | 1.1 | 36 |
| 43 | The Molecular Basis of Conformational Instability of the Ecdysone Receptor DNA Binding Domain Studied by In Silico and In Vitro Experiments. PLoS ONE, 2014, 9, e86052. | 1.1 | 2 |
| 44 | Homodimerization propensity of the intrinsically disordered N-terminal domain of Ultraspiracle from <i>Aedes aegypti</i> . Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1153-1166. | 1.1 | 21 |
| 45 | Calponin-Like Chd64 Is Partly Disordered. PLoS ONE, 2014, 9, e96809. | 1.1 | 10 |
| 46 | Multidomain sumoylation of the ecdysone receptor (EcR) from <i>Drosophila melanogaster</i> . Journal of Steroid Biochemistry and Molecular Biology, 2013, 138, 162-173. | 1.2 | 7 |
| 47 | DIFFERENT PATTERN OF <i>Galleria mellonella</i> jhbp GENE EXPRESSION IN HIGH FIVE AND Sf9 CELLS. Archives of Insect Biochemistry and Physiology, 2013, 82, 141-157. | 0.6 | 0 |
| 48 | Alternative sumoylation sites in the <i>Drosophila</i> nuclear receptor Usp. Journal of Steroid Biochemistry and Molecular Biology, 2012, 132, 227-238. | 1.2 | 7 |
| 49 | Phosphorylation of Intrinsically Disordered Starmaker Protein Increases Its Ability To Control the Formation of Calcium Carbonate Crystals. Crystal Growth and Design, 2012, 12, 158-168. | 1.4 | 36 |
| 50 | Conformational changes in the DNA-binding domains of the ecdysteroid receptor during the formation of a complex with the <i>hsp27</i> response element. Journal of Biomolecular Structure and Dynamics, 2012, 30, 379-393. | 2.0 | 5 |
| 51 | Intramolecular cross-linking in the native JHBP molecule. Archives of Biochemistry and Biophysics, 2012, 517, 12-19. | 1.4 | 3 |
| 52 | The composite nature of the interaction between nuclear receptors EcR and DHR38. Biological Chemistry, 2012, 393, 457-471. | 1.2 | 10 |
| 53 | The dityrosine cross-link as an intrinsic donor for assembling FRET pairs in the study of protein structure. Biophysical Chemistry, 2012, 170, 1-8. | 1.5 | 12 |
| 54 | The Effect of Counter Ions on the Conformation of Intrinsically Disordered Proteins Studied by Size-Exclusion Chromatography. , 2012, 896, 319-330. | | 3 |

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| 55 | Juvenile hormone binding protein core promoter is TATA-driven with a suppressory element. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 226-235. | 0.9 | 7 |
| 56 | Sequences that direct subcellular traffic of the <i>Drosophila</i> methoprene-tolerant protein (MET) are located predominantly in the PAS domains. <i>Molecular and Cellular Endocrinology</i> , 2011, 345, 16-26. | 1.6 | 22 |
| 57 | Intrinsic disorder of <i>Drosophila melanogaster</i> hormone receptor 38 N-terminal domain. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 376-392. | 1.5 | 15 |
| 58 | N-linked glycosylation of <i>G. mellonella</i> juvenile hormone binding protein – Comparison of recombinant mutants expressed in <i>P. pastoris</i> cells with native protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 610-621. | 1.1 | 6 |
| 59 | Identification of specific interaction of juvenile hormone binding protein with isocitrate dehydrogenase.. <i>Acta Biochimica Polonica</i> , 2011, 58, . | 0.3 | 9 |
| 60 | Dual FRET assay for detecting receptor protein interaction with DNA. <i>Nucleic Acids Research</i> , 2010, 38, e108-e108. | 6.5 | 24 |
| 61 | Intracellular Localization of the Ecdysteroid Receptor. , 2009, , 389-409. | | 4 |
| 62 | Isoform-specific variation in the intrinsic disorder of the ecdysteroid receptor N-terminal domain. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 76, 291-308. | 1.5 | 27 |
| 63 | The rod-shaped conformation of Starmaker. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1616-1624. | 1.1 | 18 |
| 64 | Juvenile hormone binding protein traffic – Interaction with ATP synthase and lipid transfer proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1695-1705. | 1.4 | 52 |
| 65 | Equilibrium Analysis of the DNA Binding Domain of the Ultraspiracle Protein Interaction with the Response Element from the hsp27 Gene Promoter – the Application of Molecular Beacon Technology. <i>Journal of Fluorescence</i> , 2008, 18, 1-10. | 1.3 | 5 |
| 66 | The variety of complexes formed by EcR and Usp nuclear receptors in the nuclei of living cells. <i>Molecular and Cellular Endocrinology</i> , 2008, 294, 45-51. | 1.6 | 12 |
| 67 | Insect Juvenile Hormone Binding Protein Shows Ancestral Fold Present in Human Lipid-Binding Proteins. <i>Journal of Molecular Biology</i> , 2008, 377, 870-881. | 2.0 | 53 |
| 68 | Regulatory elements in the juvenile hormone binding protein gene from <i>Galleria mellonella</i> – Topography of binding sites for Usp and EcRDBD. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 390-401. | 0.9 | 11 |
| 69 | Starmaker Exhibits Properties of an Intrinsically Disordered Protein. <i>Biomacromolecules</i> , 2008, 9, 2118-2125. | 2.6 | 32 |
| 70 | The Application of an Immobilized Molecular Beacon for the Analysis of the DNA Binding Domains from the Ecdysteroid Receptor Proteins Usp and EcR's Interaction with the hsp27 Response Element. <i>Journal of Biomolecular Screening</i> , 2008, 13, 899-905. | 2.6 | 8 |
| 71 | Novel DNA-binding element within the C-terminal extension of the nuclear receptor DNA-binding domain. <i>Nucleic Acids Research</i> , 2007, 35, 2705-2718. | 6.5 | 36 |
| 72 | Influence of silybin on biophysical properties of phospholipid bilayers. <i>Acta Pharmacologica Sinica</i> , 2007, 28, 296-306. | 2.8 | 33 |

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|----|---|-----|-----------|
| 73 | EcR and Usp, components of the ecdysteroid nuclear receptor complex, exhibit differential distribution of molecular determinants directing subcellular trafficking. <i>Cellular Signalling</i> , 2007, 19, 490-503. | 1.7 | 35 |
| 74 | A fluorescence method for determining transport of charged compounds across lipid bilayer. <i>Biophysical Chemistry</i> , 2007, 129, 120-125. | 1.5 | 16 |
| 75 | The DNA-Binding Domain of the Ultraspiracle Drives Deformation of the Response Element Whereas the DNA-Binding Domain of the Ecdysone Receptor Is Responsible for a Slight Additional Change of the Preformed Structure. <i>Biochemistry</i> , 2006, 45, 668-675. | 1.2 | 9 |
| 76 | The structure of the juvenile hormone binding protein gene from <i>Galleria mellonella</i> . <i>Biological Chemistry</i> , 2005, 386, 1-10. | 1.2 | 16 |
| 77 | Ultraspiracle promotes the nuclear localization of ecdysteroid receptor in mammalian cells. <i>Biological Chemistry</i> , 2005, 386, 463-70. | 1.2 | 31 |
| 78 | Plasticity of the Ecdysone Receptor DNA Binding Domain. <i>Molecular Endocrinology</i> , 2004, 18, 2166-2184. | 3.7 | 26 |
| 79 | Presence of anionic phospholipids rules the membrane localization of phenothiazine type multidrug resistance modulator. <i>Biophysical Chemistry</i> , 2004, 109, 399-412. | 1.5 | 19 |
| 80 | Investigation of Excited-State Proton Transfer in 2-Naphthol Derivatives Included in Langmuir-Blodgett Films. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5308-5314. | 1.1 | 10 |
| 81 | Positions of disulfide bonds and N-glycosylation site in juvenile hormone binding protein. <i>Archives of Biochemistry and Biophysics</i> , 2004, 421, 260-266. | 1.4 | 25 |
| 82 | Unfolding and Refolding of Juvenile Hormone Binding Protein. <i>Biophysical Journal</i> , 2004, 86, 1138-1148. | 0.2 | 8 |
| 83 | Crystallization and preliminary crystallographic studies of juvenile hormone-binding protein from <i>Galleria mellonella</i> haemolymph. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 519-521. | 2.5 | 30 |
| 84 | Structure of the heterodimeric ecdysone receptor DNA-binding complex. <i>EMBO Journal</i> , 2003, 22, 5827-5840. | 3.5 | 73 |
| 85 | Overexpression of juvenile hormone binding protein in bacteria and <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2003, 31, 173-180. | 0.6 | 6 |
| 86 | Purification of <i>Drosophila melanogaster</i> Ultraspiracle Protein and Analysis of Its A/B Region-Dependent Dimerization Behavior in vitro. <i>Biological Chemistry</i> , 2003, 384, 59-69. | 1.2 | 12 |
| 87 | Temperature-sensitive Ovarian Carcinoma Cell Line (OvBH-1). <i>Japanese Journal of Cancer Research</i> , 2002, 93, 976-985. | 1.7 | 4 |
| 88 | Cloning and Sequence Analysis of <i>Galleria mellonella</i> Juvenile Hormone Binding Protein A Search for Ancestors and Relatives. <i>Biological Chemistry</i> , 2002, 383, 1343-55. | 1.2 | 22 |
| 89 | Functionality versus strength – has functional selection taken place in the case of the ecdysteroid receptor response element?.. <i>Acta Biochimica Polonica</i> , 2002, 49, 747-756. | 0.3 | 7 |
| 90 | Analysis of Usp DNA binding domain targeting reveals critical determinants of the ecdysone receptor complex interaction with the response element. <i>FEBS Journal</i> , 2001, 268, 3751-3758. | 0.2 | 27 |

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| 91 | Juvenile Hormone Binding Protein and Transferrin from <i>Galleria mellonella</i> Share a Similar Structural Motif. <i>Biological Chemistry</i> , 2001, 382, 1027-37. | 1.2 | 6 |
| 92 | Polarity of the ecdysone receptor complex interaction with the palindromic response element from the <i>hsp27</i> gene promoter. <i>FEBS Journal</i> , 2000, 267, 507-519. | 0.2 | 38 |
| 93 | GST-Induced Dimerization of DNA-Binding Domains Alters Characteristics of Their Interaction with DNA. <i>Protein Expression and Purification</i> , 1998, 14, 208-220. | 0.6 | 33 |
| 94 | Magnetic DNA affinity purification of ecdysteroid receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1992, 43, 629-634. | 1.2 | 14 |
| 95 | High-resolution gel filtration of the ecdysteroid receptor-DNA complex – an alternative to the electrophoretic mobility shift assay. <i>Journal of Chromatography A</i> , 1991, 587, 11-17. | 1.8 | 6 |
| 96 | Characterization of a specific ecdysteroid receptor-DNA complex reveals common properties for invertebrate and vertebrate hormone-receptor/DNA interactions. <i>FEBS Journal</i> , 1991, 200, 329-335. | 0.2 | 38 |
| 97 | Affinity labelling of a partially purified ecdysteroid receptor with a bromoacetylated 20-OH-ecdysone derivative. <i>FEBS Journal</i> , 1990, 189, 137-143. | 0.2 | 11 |
| 98 | Pyridoxal phosphate inhibits the DNA-binding activity of the ecdysteroid receptor. <i>FEBS Journal</i> , 1990, 192, 167-174. | 0.2 | 6 |
| 99 | Juvenile-hormone-binding protein from the hemolymph of <i>Galleria mellonella</i> (L). Isolation and characterization. <i>FEBS Journal</i> , 1987, 162, 675-682. | 0.2 | 38 |
| 100 | Age dependent changes in the binding and hydrolysis of juvenile hormone in the haemolymph of last instar larvae of <i>Galleria mellonella</i> . <i>Insect Biochemistry</i> , 1983, 13, 435-441. | 1.8 | 28 |