Andrzej Ozyhar

List of Publications by Year
in descending order

100	1,566	279487	395343
papers	citations	23 h-index	33 g-index

101	101	101	1546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-molecule electrometry. Nature Nanotechnology, 2017, 12, 488-495.	15.6	75
2	Structure of the heterodimeric ecdysone receptor DNA-binding complex. EMBO Journal, 2003, 22, 5827-5840.	3.5	73
3	Insect Juvenile Hormone Binding Protein Shows Ancestral Fold Present in Human Lipid-Binding Proteins. Journal of Molecular Biology, 2008, 377, 870-881.	2.0	53
4	Juvenile hormone binding protein traffic â€" Interaction with ATP synthase and lipid transfer proteins. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1695-1705.	1.4	52
5	pH-Induced transformation of ligated Au₂₅ to brighter Au₂₃ nanoclusters. Nanoscale, 2018, 10, 11335-11341.	2.8	39
6	Juvenile-hormone-binding protein from the hemolymph of Galleria mellonella (L). Isolation and characterization. FEBS Journal, 1987, 162, 675-682.	0.2	38
7	Characterization of a specific ecdysteroid receptor-DNA complex reveals common properties for invertebrate and vertebrate hormone-receptor/DNA interactions. FEBS Journal, 1991, 200, 329-335.	0.2	38
8	Polarity of the ecdysone receptor complex interaction with the palindromic response element from the hsp27 gene promoter. FEBS Journal, 2000, 267, 507-519.	0.2	38
9	Novel DNA-binding element within the C-terminal extension of the nuclear receptor DNA-binding domain. Nucleic Acids Research, 2007, 35, 2705-2718.	6.5	36
10	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
11	Intrinsically Disordered and Pliable Starmaker-Like Protein from Medaka (Oryzias latipes) Controls the Formation of Calcium Carbonate Crystals. PLoS ONE, 2014, 9, e114308.	1.1	36
12	EcR and Usp, components of the ecdysteroid nuclear receptor complex, exhibit differential distribution of molecular determinants directing subcellular trafficking. Cellular Signalling, 2007, 19, 490-503.	1.7	35
13	GST-Induced Dimerization of DNA-Binding Domains Alters Characteristics of Their Interaction with DNA. Protein Expression and Purification, 1998, 14, 208-220.	0.6	33
14	Influence of silybin on biophysical properties of phospholipid bilayers. Acta Pharmacologica Sinica, 2007, 28, 296-306.	2.8	33
15	Starmaker Exhibits Properties of an Intrinsically Disordered Protein. Biomacromolecules, 2008, 9, 2118-2125.	2.6	32
16	Ultraspiracle promotes the nuclear localization of ecdysteroid receptor in mammalian cells. Biological Chemistry, 2005, 386, 463-70.	1.2	31
17	Crystallization and preliminary crystallographic studies of juvenile hormone-binding protein fromGalleria mellonellahaemolymph. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 519-521.	2.5	30
18	Age dependent changes in the binding and hydrolysis of juvenile hormone in the haemolymph of last instar larvae of Galleria mellonella. Insect Biochemistry, 1983, 13, 435-441.	1.8	28

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19	Analysis of Usp DNA binding domain targeting reveals critical determinants of the ecdysone receptor complex interaction with the response element. FEBS Journal, 2001, 268, 3751-3758.	0.2	27
20	Isoformâ€specific variation in the intrinsic disorder of the ecdysteroid receptor Nâ€terminal domain. Proteins: Structure, Function and Bioinformatics, 2009, 76, 291-308.	1.5	27
21	Plasticity of the Ecdysone Receptor DNA Binding Domain. Molecular Endocrinology, 2004, 18, 2166-2184.	3.7	26
22	Positions of disulfide bonds and N-glycosylation site in juvenile hormone binding protein. Archives of Biochemistry and Biophysics, 2004, 421, 260-266.	1.4	25
23	Calcium Ion Binding Properties and the Effect of Phosphorylation on the Intrinsically Disordered Starmaker Protein. Biochemistry, 2015, 54, 6525-6534.	1.2	25
24	Effect of calcium ions on structure and stability of the C1qâ€like domain of otolinâ€1 from human and zebrafish. FEBS Journal, 2017, 284, 4278-4297.	2.2	25
25	Dual FRET assay for detecting receptor protein interaction with DNA. Nucleic Acids Research, 2010, 38, e108-e108.	6.5	24
26	Cloning and Sequence Analysis of Galleria mellonella Juvenile Hormone Binding Protein A Search for Ancestors and Relatives. Biological Chemistry, 2002, 383, 1343-55.	1.2	22
27	Sequences that direct subcellular traffic of the Drosophila methoprene-tolerant protein (MET) are located predominantly in the PAS domains. Molecular and Cellular Endocrinology, 2011, 345, 16-26.	1.6	22
28	In vivoandin vitroanalysis of starmaker activity in zebrafish otolith biomineralization. FASEB Journal, 2019, 33, 6877-6886.	0.2	22
29	Homodimerization propensity of the intrinsically disordered N-terminal domain of Ultraspiracle from Aedes aegypti. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1153-1166.	1.1	21
30	Lattice Shrinkage by Incorporation of Recombinant Starmakerâ€Like Protein within Bioinspired Calcium Carbonate Crystals. Chemistry - A European Journal, 2019, 25, 12740-12750.	1.7	20
31	Presence of anionic phospholipids rules the membrane localization of phenothiazine type multidrug resistance modulator. Biophysical Chemistry, 2004, 109, 399-412.	1.5	19
32	Transthyretin: From Structural Stability to Osteoarticular and Cardiovascular Diseases. Cells, 2021, 10, 1768.	1.8	19
33	The rod-shaped conformation of Starmaker. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1616-1624.	1.1	18
34	Structural properties of the intrinsically disordered, multiple calcium ion-binding otolith matrix macromolecule-64 (OMM-64). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 1358-1371.	1.1	17
35	The structure of the juvenile hormone binding protein gene from Galleria mellonella. Biological Chemistry, 2005, 386, 1-10.	1.2	16
36	A fluorescence method for determining transport of charged compounds across lipid bilayer. Biophysical Chemistry, 2007, 129, 120-125.	1.5	16

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37	Intrinsic disorder of Drosophila melanogaster hormone receptor 38 Nâ€terminal domain. Proteins: Structure, Function and Bioinformatics, 2011, 79, 376-392.	1.5	15
38	Magnetic DNA affinity purification of ecdysteroid receptor. Journal of Steroid Biochemistry and Molecular Biology, 1992, 43, 629-634.	1.2	14
39	Purification of Drosophila melanogaster Ultraspiracle Protein and Analysis of Its A/B Region-Dependent Dimerization Behavior in vitro. Biological Chemistry, 2003, 384, 59-69.	1.2	12
40	The variety of complexes formed by EcR and Usp nuclear receptors in the nuclei of living cells. Molecular and Cellular Endocrinology, 2008, 294, 45-51.	1.6	12
41	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
42	Mapping of the Sequences Directing Localization of the Drosophila Germ Cell-Expressed Protein (GCE). PLoS ONE, 2015, 10, e0133307.	1.1	12
43	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
44	Destabilisation of the structure of transthyretin is driven by Ca2+. International Journal of Biological Macromolecules, 2021, 166, 409-423.	3.6	12
45	Affinity labelling of a partially purified ecdysteroid receptor with a bromoacetylated 20-OH-ecdysone derivative. FEBS Journal, 1990, 189, 137-143.	0.2	11
46	Regulatory elements in the juvenile hormone binding protein gene from Galleria mellonella â€" Topography of binding sites for Usp and EcRDBD. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 390-401.	0.9	11
47	Ordered structure-forming properties of the intrinsically disordered AB region of hRXRÎ³ and its ability to promote liquid-liquid phase separation. Journal of Steroid Biochemistry and Molecular Biology, 2020, 198, 105571.	1.2	11
48	Fish Otolith Matrix Macromolecule-64 (OMM-64) and Its Role in Calcium Carbonate Biomineralization. Crystal Growth and Design, 2020, 20, 5808-5819.	1.4	11
49	Calcium ions modulate the structure of the intrinsically disordered Nucleobindin-2 protein. International Journal of Biological Macromolecules, 2020, 154, 1091-1104.	3.6	11
50	Investigation of Excited-State Proton Transfer in 2-Naphthol Derivatives Included in Langmuirâ"Blodgett Films. Journal of Physical Chemistry A, 2004, 108, 5308-5314.	1.1	10
51	The composite nature of the interaction between nuclear receptors EcR and DHR38. Biological Chemistry, 2012, 393, 457-471.	1.2	10
52	Multiple sequences orchestrate subcellular trafficking of neuronal PAS domainâ€"containing protein 4 (NPAS4). Journal of Biological Chemistry, 2018, 293, 11255-11270.	1.6	10
53	Calponin-Like Chd64 Is Partly Disordered. PLoS ONE, 2014, 9, e96809.	1.1	10
54	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 Structureâ€. Biochemistry, 2006, 45, 668-675.	1.2	9

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55	Functional derivatives of human dentin matrix protein 1 modulate morphology of calcium carbonate crystals. FASEB Journal, 2020, 34, 6147-6165.	0.2	9
56	Is Transthyretin a Regulator of Ubc9 SUMOylation?. PLoS ONE, 2016, 11, e0160536.	1.1	9
57	Identification of specific interaction of juvenile hormone binding protein with isocitrate dehydrogenase.. Acta Biochimica Polonica, 2011, 58, .	0.3	9
58	Unfolding and Refolding of Juvenile Hormone Binding Protein. Biophysical Journal, 2004, 86, 1138-1148.	0.2	8
59	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. Journal of Biomolecular Screening, 2008, 13, 899-905.	2.6	8
60	The intrinsically disordered region of GCE protein adopts a more fixed structure by interacting with the LBD of the nuclear receptor FTZ-F1. Cell Communication and Signaling, 2020, 18, 180.	2.7	8
61	The Multifaceted Nature of Nucleobindin-2 in Carcinogenesis. International Journal of Molecular Sciences, 2021, 22, 5687.	1.8	8
62	Intrinsic Disorder of the C-Terminal Domain of Drosophila Methoprene-Tolerant Protein. PLoS ONE, 2016, 11, e0162950.	1.1	8
63	Juvenile hormone binding protein core promoter is TATA-driven with a suppressory element. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 226-235.	0.9	7
64	Alternative sumoylation sites in the Drosophila nuclear receptor Usp. Journal of Steroid Biochemistry and Molecular Biology, 2012, 132, 227-238.	1.2	7
65	Multidomain sumoylation of the ecdysone receptor (EcR) from Drosophila melanogaster. Journal of Steroid Biochemistry and Molecular Biology, 2013, 138, 162-173.	1.2	7
66	Nucleoplasmin-like domain of FKBP39 from Drosophila melanogaster forms a tetramer with partly disordered tentacle-like C-terminal segments. Scientific Reports, 2017, 7, 40405.	1.6	7
67	The intrinsically disordered C-terminal F domain of the ecdysteroid receptor from Aedes aegypti exhibits metal ion-binding ability. Journal of Steroid Biochemistry and Molecular Biology, 2019, 186, 42-55.	1.2	7
68	Functionality versus strength -- has functional selection taken place in the case of the ecdysteroid receptor response element?.. Acta Biochimica Polonica, 2002, 49, 747-756.	0.3	7
69	Pyridoxal phosphate inhibits the DNA-binding activity of the ecdysteroid receptor. FEBS Journal, 1990, 192, 167-174.	0.2	6
70	High-resolution gel filtration of the ecdysteroid receptor-DNA complex â€"an alternative to the electrophoretic mobility shift assay. Journal of Chromatography A, 1991, 587, 11-17.	1.8	6
71	Juvenile Hormone Binding Protein and Transferrin from Galleria mellonella Share a Similar Structural Motif. Biological Chemistry, 2001, 382, 1027-37.	1.2	6
72	Overexpression of juvenile hormone binding protein in bacteria and Pichia pastoris. Protein Expression and Purification, 2003, 31, 173-180.	0.6	6

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73	N-linked glycosylation of G. mellonella juvenile hormone binding protein â€" Comparison of recombinant mutants expressed in P. pastoris cells with native protein. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 610-621.	1.1	6
74	Molecular determinants ofDrosophilaimmunophilin FKBP39 nuclear localization. Biological Chemistry, 2018, 399, 467-484.	1.2	6
75	The method utilized to purify the SARS-CoV-2 N protein can affect its molecular properties. International Journal of Biological Macromolecules, 2021, 188, 391-403.	3.6	6
76	Equilibrium Analysis of the DNA Binding Domain of the Ultraspiracle Protein Interaction with the Response Element from the hsp27 Gene Promoterâ€"the Application of Molecular Beacon Technology. Journal of Fluorescence, 2008, 18, 1-10.	1.3	5
77	Conformational changes in the DNA-binding domains of the ecdysteroid receptor during the formation of a complex with the hsp27 response element. Journal of Biomolecular Structure and Dynamics, 2012, 30, 379-393.	2.0	5
78	Intrinsically disordered N-terminal domain of the Helicoverpa armigera Ultraspiracle stabilizes the dimeric form via a scorpion-like structure. Journal of Steroid Biochemistry and Molecular Biology, 2018, 183, 167-183.	1.2	5
79	The subcellular localization of bHLH transcription factor TCF4 is mediated by multiple nuclear localization and nuclear export signals. Scientific Reports, 2019, 9, 15629.	1.6	5
80	Counter-Diffusion System as an in Vitro Model in the Investigation of Proteins Involved in the Formation of Calcium Carbonate Biominerals. Crystal Growth and Design, 2021, 21, 1389-1400.	1.4	5
81	Natural Mutations Affect Structure and Function of gC1q Domain of Otolin-1. International Journal of Molecular Sciences, 2021, 22, 9085.	1.8	5
82	Deep blue autofluorescence reveals the instability of human transthyretin. International Journal of Biological Macromolecules, 2021, 191, 492-499.	3.6	5
83	Temperature-sensitive Ovarian Carcinoma Cell Line (OvBH-1). Japanese Journal of Cancer Research, 2002, 93, 976-985.	1.7	4
84	Intracellular Localization of the Ecdysteroid Receptor. , 2009, , 389-409.		4
85	Destabilised human transthyretin shapes the morphology of calcium carbonate crystals. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 313-324.	1.1	4
86	Nucleobindin-2 consists of two structural components: The Zn2+-sensitive N-terminal half, consisting of nesfatin-1 and -2, and the Ca2+-sensitive C-terminal half, consisting of nesfatin-3. Computational and Structural Biotechnology Journal, 2021, 19, 4300-4318.	1.9	4
87	Metal Ions Induce Liquid Condensate Formation by the F Domain of Aedes aegypti Ecdysteroid Receptor. New Perspectives of Nuclear Receptor Studies. Cells, 2021, 10, 571.	1.8	4
88	Molecular mechanism of calcium induced trimerization of C1q-like domain of otolin-1 from human and zebrafish. Scientific Reports, 2021, 11, 12778.	1.6	4
89	Transcription Regulators and Membraneless Organelles Challenges to Investigate Them. International Journal of Molecular Sciences, 2021, 22, 12758.	1.8	4
90	Intramolecular cross-linking in the native JHBP molecule. Archives of Biochemistry and Biophysics, 2012, 517, 12-19.	1.4	3

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91	The Effect of Counter Ions on the Conformation of Intrinsically Disordered Proteins Studied by Size-Exclusion Chromatography. , 2012, 896, 319-330.		3
92	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 Aedes aegypti. Inorganic Chemistry, 2019, 58, 11782-11792.	1.9	3
93	Nuclear immunophilin FKBP39 from Drosophila melanogaster drives spontaneous liquid-liquid phase separation. International Journal of Biological Macromolecules, 2020, 163, 108-119.	3.6	3
94	Liquid-liquid phase separation of the intrinsically disordered AB region of hRXRÎ³ is driven by hydrophobic interactions. International Journal of Biological Macromolecules, 2021, 183, 936-949.	3.6	3
95	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
96	Nâ€²-terminal- and Ca2+-induced stabilization of high-order oligomers of full-length Danio rerio and Homo sapiens otolin-1. International Journal of Biological Macromolecules, 2022, 209, 1032-1047.	3.6	2
97	The physiological role of nucleobindin-2/nesfatin-1 and their potential clinical significance. Postepy Higieny I Medycyny Doswiadczalnej, 2018, 72, 1084-1096.	0.1	1
98	DIFFERENT PATTERN OF Galleria mellonella jhbp GENE EXPRESSION IN HIGH FIVE AND Sf9 CELLS. Archives of Insect Biochemistry and Physiology, 2013, 82, 141-157.	0.6	0
99	Structural Analyses of Ordered and Disordered Regions in Ecdysteroid Receptor. , 2015, , 93-117.		0
100	Controlling the conformational stability of coiled-coil peptides with a single stereogenic center of a peripheral Î²-amino acid residue. RSC Advances, 2022, 12, 4640-4647.	1.7	0