

Piotr Dobryczycki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	N-terminally- and Ca ²⁺ -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.	7.5	2
2	Counter-Diffusion System as an <i>In Vitro</i> Model in the Investigation of Proteins Involved in the Formation of Calcium Carbonate Biominerals. Crystal Growth and Design, 2021, 21, 1389-1400.	3.0	5
3	Myopathy-Sensitive G-Actin Segment 227-235 Is Involved in Salt-Induced Stabilization of Contacts within the Actin Filament. International Journal of Molecular Sciences, 2021, 22, 2327.	4.1	4
4	Molecular mechanism of calcium induced trimerization of C1q-like domain of otolin-1 from human and zebrafish. Scientific Reports, 2021, 11, 12778.	3.3	4
5	Natural Mutations Affect Structure and Function of gC1q Domain of Otolin-1. International Journal of Molecular Sciences, 2021, 22, 9085.	4.1	5
6	Fish Otolith Matrix Macromolecule-64 (OMM-64) and Its Role in Calcium Carbonate Biomineralization. Crystal Growth and Design, 2020, 20, 5808-5819.	3.0	11
7	Functional derivatives of human dentin matrix protein 1 modulate morphology of calcium carbonate crystals. FASEB Journal, 2020, 34, 6147-6165.	0.5	9
8	<i>In vivo</i> and <i>in vitro</i> analysis of starmaker activity in zebrafish otolith biomineralization. FASEB Journal, 2019, 33, 6877-6886.	0.5	22
9	Effect of calcium ions on structure and stability of the C1q-like domain of otolin-1 from human and zebrafish. FEBS Journal, 2017, 284, 4278-4297.	4.7	25
10	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.	2.3	17
11	Insight into the Unfolding Properties of Chd64, a Small, Single Domain Protein with a Globular Core and Disordered Tails. PLoS ONE, 2015, 10, e0137074.	2.5	12
12	Calcium Ion Binding Properties and the Effect of Phosphorylation on the Intrinsically Disordered Starmaker Protein. Biochemistry, 2015, 54, 6525-6534.	2.5	25
13	The Molecular Basis of Conformational Instability of the Ecdysone Receptor DNA Binding Domain Studied by <i>In Silico</i> and <i>In Vitro</i> Experiments. PLoS ONE, 2014, 9, e86052.	2.5	2
14	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.	3.0	36
15	The Effect of Counter Ions on the Conformation of Intrinsically Disordered Proteins Studied by Size-Exclusion Chromatography. , 2012, 896, 319-330.		3
16	The high-adhesive properties of the FimH adhesin of Salmonella enterica serovar Enteritidis are determined by a single F118S substitution. Microbiology (United Kingdom), 2010, 156, 1738-1748.	1.8	23
17	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. Biochemistry, 2006, 45, 668-675.	2.5	9
18	Unfolding and Refolding of Juvenile Hormone Binding Protein. Biophysical Journal, 2004, 86, 1138-1148.	0.5	8

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19	Effect of acrylamide on aldolase structure. II. Characterization of aldolase unfolding intermediates. BBA - Proteins and Proteomics, 1999, 1431, 351-362.	2.1	11