

Artem Zhmurov

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubule assembly and disassembly dynamics model: Exploring dynamic instability and identifying features of Microtubulesâ€™ Growth, Catastrophe, Shortening, and Rescue. Computational and Structural Biotechnology Journal, 2022, 20, 953-974.	4.1	4
2	Fibrin protofibril packing and clot stability are enhanced by extended knob-hole interactions and catch-slip bonds. Blood Advances, 2022, . .	5.2	4
3	Molecular packing structure of fibrin fibers resolved by X-ray scattering and molecular modeling. Soft Matter, 2020, 16, 8272-8283.	2.7	13
4	Atomic Structural Models of Fibrin Oligomers. Structure, 2018, 26, 857-868.e4.	3.3	33
5	Regulatory element in fibrin triggers tension-activated transition from catch to slip bonds. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8575-8580.	7.1	23
6	Dynamic Transition from $\hat{1}\pm$ -Helices to $\hat{1}^2$ -Sheets in Polypeptide Coiled-Coil Motifs. Journal of the American Chemical Society, 2017, 139, 16168-16177.	13.7	16
7	Conformational Flexibility and Self-Association of Fibrinogen in Concentrated Solutions. Journal of Physical Chemistry B, 2017, 121, 7833-7843.	2.6	29
8	Structural Basis of Interfacial Flexibility in Fibrin Oligomers. Structure, 2016, 24, 1907-1917.	3.3	35
9	Molecular Mechanisms, Thermodynamics, and Dissociation Kinetics of Knob-Hole Interactions in Fibrin. Journal of Biological Chemistry, 2013, 288, 22681-22692.	3.4	25
10	Mechanical Transition from $\hat{1}\pm$ -Helical Coiled Coils to $\hat{1}^2$ -Sheets in Fibrin(ogen). Journal of the American Chemical Society, 2012, 134, 20396-20402.	13.7	95
11	Multiscale Modeling of the Nanomechanics of Microtubule Protofilaments. Journal of Physical Chemistry B, 2012, 116, 8545-8555.	2.6	17
12	Exploring the Mechanical Stability of the C2 Domains in Human Synaptotagmin 1. Journal of Physical Chemistry B, 2011, 115, 10133-10146.	2.6	14
13	Mechanism of Fibrin(ogen) Forced Unfolding. Structure, 2011, 19, 1615-1624.	3.3	114