

Artem Zhmurov

List of Publications by Year in descending order

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papers

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840776

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417
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mechanism of Fibrin(ogen) Forced Unfolding. Structure, 2011, 19, 1615-1624. | 3.3 | 114 |
| 2 | 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 |
| 3 | Structural Basis of Interfacial Flexibility in Fibrin Oligomers. Structure, 2016, 24, 1907-1917. | 3.3 | 35 |
| 4 | Atomic Structural Models of Fibrin Oligomers. Structure, 2018, 26, 857-868.e4. | 3.3 | 33 |
| 5 | Conformational Flexibility and Self-Association of Fibrinogen in Concentrated Solutions. Journal of Physical Chemistry B, 2017, 121, 7833-7843. | 2.6 | 29 |
| 6 | Molecular Mechanisms, Thermodynamics, and Dissociation Kinetics of Knob-Hole Interactions in Fibrin. Journal of Biological Chemistry, 2013, 288, 22681-22692. | 3.4 | 25 |
| 7 | 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 |
| 8 | Multiscale Modeling of the Nanomechanics of Microtubule Protofilaments. Journal of Physical Chemistry B, 2012, 116, 8545-8555. | 2.6 | 17 |
| 9 | 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 |
| 10 | Exploring the Mechanical Stability of the C2 Domains in Human Synaptotagmin 1. Journal of Physical Chemistry B, 2011, 115, 10133-10146. | 2.6 | 14 |
| 11 | Molecular packing structure of fibrin fibers resolved by X-ray scattering and molecular modeling. Soft Matter, 2020, 16, 8272-8283. | 2.7 | 13 |
| 12 | 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 |
| 13 | Fibrin protofibril packing and clot stability are enhanced by extended knob-hole interactions and catch-slip bonds. Blood Advances, 2022, , . | 5.2 | 4 |