

Holger Flechsig

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9567698/publications.pdf>

Version: 2024-02-01

19
papers

389
citations

840119

11
h-index

839053

18
g-index

23
all docs

23
docs citations

23
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation atomic force microscopy for atomic reconstruction of biomolecular structures from resolution-limited experimental images. PLoS Computational Biology, 2022, 18, e1009970.	1.5	25
2	Novel DNA Aptamer for CYP24A1 Inhibition with Enhanced Antiproliferative Activity in Cancer Cells. ACS Applied Materials & Interfaces, 2022, 14, 18064-18078.	4.0	12
3	An ultra-wide scanner for large-area high-speed atomic force microscopy with megapixel resolution. Scientific Reports, 2021, 11, 13003.	1.6	22
4	Allosteric communication in molecular machines via information exchange: what can be learned from dynamical modeling. Biophysical Reviews, 2020, 12, 443-452.	1.5	31
5	BioAFMviewer: An interactive interface for simulated AFM scanning of biomolecular structures and dynamics. PLoS Computational Biology, 2020, 16, e1008444.	1.5	54
6	Analyzing Fluctuation Properties in Protein Elastic Networks with Sequence-Specific and Distance-Dependent Interactions. Biomolecules, 2019, 9, 549.	1.8	4
7	Simple mechanics of protein machines. Journal of the Royal Society Interface, 2019, 16, 20190244.	1.5	32
8	Coarse-Grained Protein Dynamics Studies Using Elastic Network Models. International Journal of Molecular Sciences, 2018, 19, 3899.	1.8	30
9	Designed Elastic Networks: Models of Complex Protein Machinery. International Journal of Molecular Sciences, 2018, 19, 3152.	1.8	15
10	Deciphering Intrinsic Inter-subunit Couplings that Lead to Sequential Hydrolysis of F ₁ -ATPase Ring. Biophysical Journal, 2017, 113, 1440-1453.	0.2	7
11	Design of Elastic Networks with Evolutionary Optimized Long-Range Communication as Mechanical Models of Allosteric Proteins. Biophysical Journal, 2017, 113, 558-571.	0.2	49
12	Nucleotide-Induced Conformational Dynamics in ABC Transporters from Structure-Based Coarse Grained Modeling. Frontiers in Physics, 2016, 4, .	1.0	9
13	Non-RVD mutations that enhance the dynamics of the TAL repeat array along the superhelical axis improve TALEN genome editing efficacy. Scientific Reports, 2016, 6, 37887.	1.6	9
14	Towards synthetic molecular motors: a model elastic-network study. New Journal of Physics, 2016, 18, 043006.	1.2	8
15	3P025 Conformational motions in protein machines: elastic-network computational studies(O1B.) Tj ETQq1 1 0.784314 rgBT /Overload	0.0	0
16	TALEs from a Spring – Superelasticity of Tal Effector Protein Structures. PLoS ONE, 2014, 9, e109919.	1.1	11
17	Computational biology approach to uncover hepatitis C virus helicase operation. World Journal of Gastroenterology, 2014, 20, 3401.	1.4	4
18	In Silico Investigation of Conformational Motions in Superfamily 2 Helicase Proteins. PLoS ONE, 2011, 6, e21809.	1.1	19

#	ARTICLE	IF	CITATIONS
19	Tracing entire operation cycles of molecular motor hepatitis C virus helicase in structurally resolved dynamical simulations. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20875-20880.	3.3	45