

Barry Isralewitz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11896304/publications.pdf>

Version: 2024-02-01

11
papers

2,317
citations

1039880

9
h-index

1372474

10
g-index

11
all docs

11
docs citations

11
times ranked

2580
citing authors

#	ARTICLE	IF	CITATIONS
1	Steered molecular dynamics and mechanical functions of proteins. Current Opinion in Structural Biology, 2001, 11, 224-230.	2.6	934
2	Unfolding of Titin Immunoglobulin Domains by Steered Molecular Dynamics Simulation. Biophysical Journal, 1998, 75, 662-671.	0.2	658
3	Steered molecular dynamics investigations of protein function. Journal of Molecular Graphics and Modelling, 2001, 19, 13-25.	1.3	327
4	Steered Molecular Dynamics. Lecture Notes in Computational Science and Engineering, 1999, , 39-65.	0.1	240
5	GPU-accelerated analysis and visualization of large structures solved by molecular dynamics flexible fitting. Faraday Discussions, 2014, 169, 265-283.	1.6	37
6	Atomic detail visualization of photosynthetic membranes with GPU-accelerated ray tracing. Parallel Computing, 2016, 55, 17-27.	1.3	37
7	Large Scale Simulation of Protein Mechanics and Function. Advances in Protein Chemistry, 2003, 66, 195-247.	4.4	31
8	Domain Motion of Individual F1-ATPase $\hat{2}$ -Subunits during Unbiased Molecular Dynamics Simulations. Journal of Physical Chemistry A, 2011, 115, 7267-7274.	1.1	23
9	Computer Modeling of Force-Induced Titin Domain Unfolding. Advances in Experimental Medicine and Biology, 2000, 481, 143-162.	0.8	18
10	Multiscale modeling and cinematic visualization of photosynthetic energy conversion processes from electronic to cell scales. Parallel Computing, 2021, 102, 102698.	1.3	10
11	Lessons Learned from Responsive Molecular Dynamics Studies of the COVID-19 Virus. , 2021, , .		2