

# 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

1040056

9  
h-index

1372567

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. <i>Current Opinion in Structural Biology</i> , 2001, 11, 224-230.	5.7	934
2	Unfolding of Titin Immunoglobulin Domains by Steered Molecular Dynamics Simulation. <i>Biophysical Journal</i> , 1998, 75, 662-671.	0.5	658
3	Steered molecular dynamics investigations of protein function. <i>Journal of Molecular Graphics and Modelling</i> , 2001, 19, 13-25.	2.4	327
4	Steered Molecular Dynamics. <i>Lecture Notes in Computational Science and Engineering</i> , 1999, , 39-65.	0.3	240
5	GPU-accelerated analysis and visualization of large structures solved by molecular dynamics flexible fitting. <i>Faraday Discussions</i> , 2014, 169, 265-283.	3.2	37
6	Atomic detail visualization of photosynthetic membranes with GPU-accelerated ray tracing. <i>Parallel Computing</i> , 2016, 55, 17-27.	2.1	37
7	Large Scale Simulation of Protein Mechanics and Function. <i>Advances in Protein Chemistry</i> , 2003, 66, 195-247.	4.4	31
8	Domain Motion of Individual F1-ATPase $\hat{2}$ -Subunits during Unbiased Molecular Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7267-7274.	2.5	23
9	Computer Modeling of Force-Induced Titin Domain Unfolding. <i>Advances in Experimental Medicine and Biology</i> , 2000, 481, 143-162.	1.6	18
10	Multiscale modeling and cinematic visualization of photosynthetic energy conversion processes from electronic to cell scales. <i>Parallel Computing</i> , 2021, 102, 102698.	2.1	10
11	Lessons Learned from Responsive Molecular Dynamics Studies of the COVID-19 Virus. , 2021, , .		2