

# Randy Heiland

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5956100/publications.pdf>

Version: 2024-02-01

20  
papers

1,268  
citations

623734

14  
h-index

996975

15  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supporting <i>Computational Apprenticeship</i> Through Educational and Software Infrastructure: A Case Study in a Mathematical Oncology Research Lab. <i>Primus</i> , 2022, 32, 446-467.	0.5	0
2	Integrity Protection for Scientific Workflow Data. , 2019, , .		7
3	Learning-accelerated discovery of immune-tumour interactions. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 747-760.	3.4	41
4	A Review of Cell-Based Computational Modeling in Cancer Biology. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-13.	2.1	238
5	Students' Use of Metacognitive Skills in Undergraduate Research Experiences in Computational Modeling. , 2019, , .		2
6	PhysiBoSS: a multi-scale agent-based modelling framework integrating physical dimension and cell signalling. <i>Bioinformatics</i> , 2019, 35, 1188-1196.	4.1	88
7	xml2jupyter: Mapping parameters between XML and Jupyter widgets. <i>Journal of Open Source Software</i> , 2019, 4, 1408.	4.6	18
8	High-throughput cancer hypothesis testing with an integrated PhysiCell-EMEWS workflow. <i>BMC Bioinformatics</i> , 2018, 19, 483.	2.6	54
9	PhysiCell: An open source physics-based cell simulator for 3-D multicellular systems. <i>PLoS Computational Biology</i> , 2018, 14, e1005991.	3.2	303
10	Authentication and Authorization Considerations for a Multi-tenant Service. , 2015, , .		6
11	Visualizing cells and their connectivity graphs for CompuCell3D. , 2012, , .		2
12	Extending Transfer Entropy Improves Identification of Effective Connectivity in a Spiking Cortical Network Model. <i>PLoS ONE</i> , 2011, 6, e27431.	2.5	178
13	MutDB: update on development of tools for the biochemical analysis of genetic variation. <i>Nucleic Acids Research</i> , 2007, 36, D815-D819.	14.5	34
14	Visual Methods for Interpreting Optical Nonlinearity at the Molecular Level. <i>Accounts of Chemical Research</i> , 2007, 40, 953-960.	15.6	45
15	Web Service Infrastructure for Chemoinformatics. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 1303-1307.	5.4	41
16	NLOPredict: Visualization and data analysis software for nonlinear optics. <i>Journal of Computational Chemistry</i> , 2007, 28, 1996-2002.	3.3	30
17	Identification of similar regions of protein structures using integrated sequence and structure analysis tools. <i>BMC Structural Biology</i> , 2006, 6, 4.	2.3	21
18	MutDB services: interactive structural analysis of mutation data. <i>Nucleic Acids Research</i> , 2005, 33, W311-W314.	14.5	48

#	ARTICLE	IF	CITATIONS
19	kltool: A tool to analyze spatiotemporal complexity. Chaos, 1994, 4, 421-424.	2.5	24
20	Phase-space analysis of bursting behavior in Kolmogorov flow. Physica D: Nonlinear Phenomena, 1992, 58, 392-401.	2.8	30