

John H Gennari

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,431
citations

361296

20
h-index

243529

44
g-index

55
all docs

55
docs citations

55
times ranked

2360
citing authors

#	ARTICLE	IF	CITATIONS
1	NLIMED: Natural Language Interface for Model Entity Discovery in Biosimulation Model Repositories. <i>Frontiers in Physiology</i> , 2022, 13, 820683.	1.3	5
2	BioSimulators: a central registry of simulation engines and services for recommending specific tools. <i>Nucleic Acids Research</i> , 2022, 50, W108-W114.	6.5	11
3	libOmexMeta: enabling semantic annotation of models to support FAIR principles. <i>Bioinformatics</i> , 2021, 37, 4898-4900.	1.8	9
4	Practical resources for enhancing the reproducibility of mechanistic modeling in systems biology. <i>Current Opinion in Systems Biology</i> , 2021, 27, 100350.	1.3	3
5	OMEX metadata specification (version 1.2). <i>Journal of Integrative Bioinformatics</i> , 2021, 18, .	1.0	8
6	Open modeling and exchange (OMEX) metadata specification version 1.0. <i>Journal of Integrative Bioinformatics</i> , 2020, 17, .	1.0	9
7	Predicting instances of pathway ontology classes for pathway integration. <i>Journal of Biomedical Semantics</i> , 2019, 10, 11.	0.9	1
8	Model annotation and discovery with the Physiome Model Repository. <i>BMC Bioinformatics</i> , 2019, 20, 457.	1.2	26
9	Synthetic Biology Open Language (SBOL) Version 2.3. <i>Journal of Integrative Bioinformatics</i> , 2019, 16, .	1.0	16
10	SBOL-OWL: An Ontological Approach for Formal and Semantic Representation of Synthetic Biology Information. <i>ACS Synthetic Biology</i> , 2019, 8, 1498-1514.	1.9	12
11	Harmonizing semantic annotations for computational models in biology. <i>Briefings in Bioinformatics</i> , 2019, 20, 540-550.	3.2	52
12	SemGen: a tool for semantics-based annotation and composition of biosimulation models. <i>Bioinformatics</i> , 2019, 35, 1600-1602.	1.8	24
13	Synthetic Biology Open Language (SBOL) Version 2.2.0. <i>Journal of Integrative Bioinformatics</i> , 2018, 15, .	1.0	20
14	Investigating Hypotheses through Discovery of Relevant Models of Epithelial Transport. <i>FASEB Journal</i> , 2018, 32, 620.1.	0.2	0
15	Developing Bayesian networks from a dependencyâ€‘layered ontology: A proofâ€‘ofâ€‘concept in radiation oncology. <i>Medical Physics</i> , 2017, 44, 4350-4359.	1.6	17
16	Synthetic Biology Open Language (SBOL) Version 2.1.0. <i>Journal of Integrative Bioinformatics</i> , 2016, 13, .	1.0	11
17	Sharing Structure and Function in Biological Design with SBOL 2.0. <i>ACS Synthetic Biology</i> , 2016, 5, 498-506.	1.9	88
18	Synthetic Biology Open Language (SBOL) Version 2.1.0. <i>Journal of Integrative Bioinformatics</i> , 2016, 13, 291.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Qualitative causal analyses of biosimulation models. CEUR Workshop Proceedings, 2016, 1747, .	2.3	3
20	Synthetic Biology Open Language (SBOL) Version 2.0.0. Journal of Integrative Bioinformatics, 2015, 12, 902-991.	1.0	22
21	Semantics-Based Composition of Integrated Cardiomyocyte Models Motivated by Real-World Use Cases. PLoS ONE, 2015, 10, e0145621.	1.1	29
22	Bayesian network models for error detection in radiotherapy plans. Physics in Medicine and Biology, 2015, 60, 2735-2749.	1.6	46
23	Synthetic Biology Open Language (SBOL) Version 2.0.0. Journal of Integrative Bioinformatics, 2015, 12, 272.	1.0	21
24	A Reappraisal of How to Build Modular, Reusable Models of Biological Systems. PLoS Computational Biology, 2014, 10, e1003849.	1.5	47
25	The Synthetic Biology Open Language (SBOL) provides a community standard for communicating designs in synthetic biology. Nature Biotechnology, 2014, 32, 545-550.	9.4	247
26	Representing physiological processes and their participants with PhysioMaps. Journal of Biomedical Semantics, 2013, 4, S2.	0.9	7
27	Using random walks to identify cancer-associated modules in expression data. BioData Mining, 2013, 6, 17.	2.2	32
28	Ontology of physics for biology: representing physical dependencies as a basis for biological processes. Journal of Biomedical Semantics, 2013, 4, 41.	0.9	26
29	Physical Properties of Biological Entities: An Introduction to the Ontology of Physics for Biology. PLoS ONE, 2011, 6, e28708.	1.1	30
30	Multiple ontologies in action: Composite annotations for biosimulation models. Journal of Biomedical Informatics, 2011, 44, 146-154.	2.5	55
31	Integrating systems biology models and biomedical ontologies. BMC Systems Biology, 2011, 5, 124.	3.0	44
32	Standard Biological Parts Knowledgebase. PLoS ONE, 2011, 6, e17005.	1.1	80
33	Composite annotations: Requirements for mapping multiscale data and models to biomedical ontologies. , 2009, 2009, 2791-4.		7
34	Advances in semantic representation for multiscale biosimulation: a case study in merging models. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2009, , 304-15.	0.7	14
35	Evaluating Clinical Decision Support Systems: Monitoring CPOE Order Check Override Rates in the Department of Veterans Affairs' Computerized Patient Record System. Journal of the American Medical Informatics Association: JAMIA, 2008, 15, 620-626.	2.2	99
36	Integration of multi-scale biosimulation models via light-weight semantics. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2008, , 414-25.	0.7	15

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37	Bridging biological ontologies and biosimulation: the ontology of physics for biology. AMIA ... Annual Symposium proceedings, 2008, , 136-40.	0.2	8
38	Participatory design of a collaborative clinical trial protocol writing system. International Journal of Medical Informatics, 2007, 76, S245-S251.	1.6	29
39	User-centered semantic harmonization: A case study. Journal of Biomedical Informatics, 2007, 40, 353-364.	2.5	35
40	Chalkboard: ontology-based pathway modeling and qualitative inference of disease mechanisms. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2007, , 16-27.	0.7	6
41	Asynchronous communication among clinical researchers: A study for systems design. International Journal of Medical Informatics, 2005, 74, 797-807.	1.6	24
42	Knowledge transformations between frame systems and RDB systems. , 2005, , .		4
43	The multiple views of inter-organizational authoring. , 2004, , .		7
44	Asynchronous collaborative writing through annotations. , 2004, , .		39
45	Incorporating ideas from computer-supported cooperative work. Journal of Biomedical Informatics, 2004, 37, 128-137.	2.5	145
46	INTEGRATING GENOMIC KNOWLEDGE SOURCES THROUGH AN ANATOMY ONTOLOGY. , 2004, , .		3
47	The evolution of ProtÃ©gÃ©: an environment for knowledge-based systems development. International Journal of Human Computer Studies, 2003, 58, 89-123.	3.7	765
48	Reuse, CORBA, and knowledge-based systems. International Journal of Human Computer Studies, 1998, 49, 523-546.	3.7	14
49	Reuse with PROTÃ©GÃ©-II. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 1995, 20, 72-80.	0.5	1
50	Ontology-based configuration of problem-solving methods and generation of knowledge-acquisition tools: application of PROTÃ©GÃ©-II to protocol-based decision support. Artificial Intelligence in Medicine, 1995, 7, 257-289.	3.8	103
51	Reuse with PROTÃ©GÃ©-II. , 1995, , .		11
52	Mapping domains to methods in support of reuse. International Journal of Human Computer Studies, 1994, 41, 399-424.	3.7	71
53	Beyond Data Models for Automated User Interface Generation. , 0, , 353-366.		20