Sarah M Keating

List of Publications by Year
in descending order

30 papers	2,530 citations	623734 14 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	3804 citing authors

#	Article	IF	Citations
1	Addressing barriers in comprehensiveness, accessibility, reusability, interoperability and reproducibility of computational models in systems biology. Briefings in Bioinformatics, 2022, 23, .	6.5	10
2	chaste codegen: automatic CellML to C++ code generation with fixes for singularities and automatically generated Jacobians. Wellcome Open Research, 2021, 6, 261.	1.8	1
3	Specifications of standards in systems and synthetic biology: status and developments in 2021. Journal of Integrative Bioinformatics, 2021, 18, .	1.5	2
4	BioModelsâ€”15 years of sharing computational models in life science. Nucleic Acids Research, 2020, 48, D407-D415.	14.5	175
5	The first 10 years of the international coordination network for standards in systems and synthetic biology (COMBINE). Journal of Integrative Bioinformatics, 2020, 17, .	1.5	18
6	Systems biology markup language (SBML) level 3 package: multistate, multicomponent and multicompartment species, version 1, release 2. Journal of Integrative Bioinformatics, 2020, 17, .	1.5	8
7	Systems Biology Markup Language (SBML) Level 3 Package: Distributions, Version 1, Release 1. Journal of Integrative Bioinformatics, 2020, 17, .	1.5	7
8	Specifications of standards in systems and synthetic biology: status and developments in 2020. Journal of Integrative Bioinformatics, 2020, 17, .	1.5	10
9	<scp>SBML</scp> Level 3: an extensible format for the exchange and reuse of biological models. Molecular Systems Biology, 2020, 16, e9110.	7.2	178
10	Wikidata as a knowledge graph for the life sciences. ELife, 2020, 9, .	6.0	76
11	Specifications of Standards in Systems and Synthetic Biology: Status and Developments in 2019. Journal of Integrative Bioinformatics, 2019, 16, .	1.5	7
12	The Systems Biology Markup Language (SBML): Language Specification for Level 3 Version 2 Core Release 2. Journal of Integrative Bioinformatics, 2019, 16, .	1.5	78
13	Creation and analysis of biochemical constraint-based models using the COBRA Toolbox v.3.0. Nature Protocols, 2019, 14, 639-702.	12.0	833
14	Specifications of Standards in Systems and Synthetic Biology: Status and Developments in 2017. Journal of Integrative Bioinformatics, 2018, 15, .	1.5	7
15	The Systems Biology Markup Language (SBML): Language Specification for Level 3 Version 1 Core. Journal of Integrative Bioinformatics, 2018, 15, .	1.5	13
16	The Systems Biology Markup Language (SBML): Language Specification for Level 3 Version 2 Core. Journal of Integrative Bioinformatics, 2018, 15, .	1.5	57
17	SBML Level 3 package: Render, Version 1, Release 1. Journal of Integrative Bioinformatics, 2018, 15, .	1.5	18
18	MOCCASIN: converting MATLAB ODE models to SBML. Bioinformatics, 2016, 32, 1905-1906.	4.1	14

#	Article	IF	Citations
19	SBML Level 3 package: Qualitative Models, Version 1, Release 1. Journal of Integrative Bioinformatics, 2015, 12, 691-730.	1.5	15
20	The Systems Biology Markup Language (SBML): Language Specification for Level 3 Version 1 Core. Journal of Integrative Bioinformatics, 2015, 12, 266.	1.5	102
21	The Systems Biology Markup Language (SBML) Level 3 Package: Qualitative Models, Version 1, Release 1. Journal of Integrative Bioinformatics, 2015, 12, 270.	1.5	21
22	Systems Biology Markup Language (SBML) Level 2 Version 5: Structures and Facilities for Model Definitions. Journal of Integrative Bioinformatics, 2015, 12, 271.	1.5	42
23	SBML qualitative models: a model representation format and infrastructure to foster interactions between qualitative modelling formalisms and tools. BMC Systems Biology, 2013, 7, 135.	3.0	145
24	Supporting SBML as a Model Exchange Format in Software Applications. Methods in Molecular Biology, 2013, 1021, 201-225.	0.9	12
25	A Profile of Today's SBML-Compatible Software. , 2011, , .		9
26	LibSBML: an API Library for SBML. Bioinformatics, 2008, 24, 880-881.	4.1	342
27	Methods for Simulating the Dynamics of Complex Biological Processes. Methods in Cell Biology, 2008, 84, 807-842.	1.1	10
28	SBML Models and MathSBML. , 2007, , 395-421.		3
29	SBMLToolbox: an SBML toolbox for MATLAB users. Bioinformatics, 2006, 22, 1275-1277.	4.1	129
30	Evolving a lingua franca and associated software infrastructure for computational systems biology: the Systems Biology Markup Language (SBML) project. IET Systems Biology, 2004, 1, 41-53.	2.0	187