

Janna Hastings

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

6,142
citations

159585

30
h-index

79698

73
g-index

88
all docs

88
docs citations

88
times ranked

9204
citing authors

#	ARTICLE	IF	CITATIONS
1	ChEBI: a database and ontology for chemical entities of biological interest. <i>Nucleic Acids Research</i> , 2007, 36, D344-D350.	14.5	817
2	ClassyFire: automated chemical classification with a comprehensive, computable taxonomy. <i>Journal of Cheminformatics</i> , 2016, 8, 61.	6.1	779
3	ChEBI in 2016: Improved services and an expanding collection of metabolites. <i>Nucleic Acids Research</i> , 2016, 44, D1214-D1219.	14.5	752
4	MetaboLights – an open-access general-purpose repository for metabolomics studies and associated meta-data. <i>Nucleic Acids Research</i> , 2013, 41, D781-D786.	14.5	578
5	The ChEBI reference database and ontology for biologically relevant chemistry: enhancements for 2013. <i>Nucleic Acids Research</i> , 2012, 41, D456-D463.	14.5	508
6	Chemical Entities of Biological Interest: an update. <i>Nucleic Acids Research</i> , 2010, 38, D249-D254.	14.5	248
7	Controlled vocabularies and semantics in systems biology. <i>Molecular Systems Biology</i> , 2011, 7, 543.	7.2	246
8	UniChem: a unified chemical structure cross-referencing and identifier tracking system. <i>Journal of Cheminformatics</i> , 2013, 5, 3.	6.1	133
9	Data standards can boost metabolomics research, and if there is a will, there is a way. <i>Metabolomics</i> , 2016, 12, 14.	3.0	97
10	Identifiers for the 21st century: How to design, provision, and reuse persistent identifiers to maximize utility and impact of life science data. <i>PLoS Biology</i> , 2017, 15, e2001414.	5.6	97
11	The ChEMBL database as linked open data. <i>Journal of Cheminformatics</i> , 2013, 5, 23.	6.1	96
12	A scoping review of ontologies related to human behaviour change. <i>Nature Human Behaviour</i> , 2019, 3, 164-172.	12.0	94
13	Development of a formal system for representing behaviour-change theories. <i>Nature Human Behaviour</i> , 2019, 3, 526-536.	12.0	93
14	The eNanoMapper database for nanomaterial safety information. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1609-1634.	2.8	92
15	The Chemical Information Ontology: Provenance and Disambiguation for Chemical Data on the Biological Semantic Web. <i>PLoS ONE</i> , 2011, 6, e25513.	2.5	86
16	PubChemRDF: towards the semantic annotation of PubChem compound and substance databases. <i>Journal of Cheminformatics</i> , 2015, 7, 34.	6.1	77
17	eNanoMapper: harnessing ontologies to enable data integration for nanomaterial risk assessment. <i>Journal of Biomedical Semantics</i> , 2015, 6, 10.	1.6	63
18	Multi-Omics and Genome-Scale Modeling Reveal a Metabolic Shift During <i>C. elegans</i> Aging. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 2.	3.5	61

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19	Interdisciplinary perspectives on the development, integration, and application of cognitive ontologies. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 62.	2.5	51
20	From Affective Science to Psychiatric Disorder: Ontology as a Semantic Bridge. <i>Frontiers in Psychiatry</i> , 2018, 9, 487.	2.6	48
21	The MetaboLights repository: curation challenges in metabolomics. <i>Database: the Journal of Biological Databases and Curation</i> , 2013, 2013, bat029.	3.0	46
22	Dovetailing biology and chemistry: integrating the Gene Ontology with the ChEBI chemical ontology. <i>BMC Genomics</i> , 2013, 14, 513.	2.8	45
23	Primer on Ontologies. <i>Methods in Molecular Biology</i> , 2017, 1446, 3-13.	0.9	44
24	Representation of behaviour change interventions and their evaluation: Development of the Upper Level of the Behaviour Change Intervention Ontology. <i>Wellcome Open Research</i> , 2020, 5, 123.	1.8	41
25	Representation of behaviour change interventions and their evaluation: Development of the Upper Level of the Behaviour Change Intervention Ontology. <i>Wellcome Open Research</i> , 2020, 5, 123.	1.8	41
26	Structure-based classification and ontology in chemistry. <i>Journal of Cheminformatics</i> , 2012, 4, 8.	6.1	40
27	Modeling Meets Metabolomics—The WormJam Consensus Model as Basis for Metabolic Studies in the Model Organism <i>Caenorhabditis elegans</i> . <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 96.	3.5	40
28	Delivering Behaviour Change Interventions: Development of a Mode of Delivery Ontology. <i>Wellcome Open Research</i> , 2020, 5, 125.	1.8	38
29	ChEBI: An Open Bioinformatics and Cheminformatics Resource. <i>Current Protocols in Bioinformatics</i> , 2009, 26, Unit 14.9.	25.8	37
30	BiNChE: A web tool and library for chemical enrichment analysis based on the ChEBI ontology. <i>BMC Bioinformatics</i> , 2015, 16, 56.	2.6	35
31	DINTO: Using OWL Ontologies and SWRL Rules to Infer Drug–Drug Interactions and Their Mechanisms. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 1698-1707.	5.4	34
32	Delivering Behaviour Change Interventions: Development of a Mode of Delivery Ontology. <i>Wellcome Open Research</i> , 2020, 5, 125.	1.8	33
33	Toxicology ontology perspectives. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 139-156.	1.5	33
34	Introducing the Open Energy Ontology: Enhancing data interpretation and interfacing in energy systems analysis. <i>Energy and AI</i> , 2021, 5, 100074.	10.6	29
35	Harmonising and linking biomedical and clinical data across disparate data archives to enable integrative cross-biobank research. <i>European Journal of Human Genetics</i> , 2016, 24, 521-528.	2.8	27
36	Perspectives from the NanoSafety Modelling Cluster on the validation criteria for (Q)SAR models used in nanotechnology. <i>Food and Chemical Toxicology</i> , 2018, 112, 478-494.	3.6	27

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37	A Database for Chemical Proteomics: ChEBI. <i>Methods in Molecular Biology</i> , 2012, 803, 273-296.	0.9	26
38	Development of an Intervention Setting Ontology for behaviour change: Specifying where interventions take place. <i>Wellcome Open Research</i> , 2020, 5, 124.	1.8	26
39	The Human Behaviour-Change Project: An artificial intelligence system to answer questions about changing behaviour. <i>Wellcome Open Research</i> , 2020, 5, 122.	1.8	25
40	An ontology-based modelling system (OBMS) for representing behaviour change theories applied to 76 theories. <i>Wellcome Open Research</i> , 2020, 5, 177.	1.8	24
41	ChEBI: a chemistry ontology and database. <i>Journal of Cheminformatics</i> , 2010, 2, .	6.1	22
42	FMCS: a novel algorithm for the multiple MCS problem. <i>Journal of Cheminformatics</i> , 2013, 5, .	6.1	22
43	Exploiting disjointness axioms to improve semantic similarity measures. <i>Bioinformatics</i> , 2013, 29, 2781-2787.	4.1	22
44	The Emotion Ontology: Enabling Interdisciplinary Research in the Affective Sciences. <i>Lecture Notes in Computer Science</i> , 2011, , 119-123.	1.3	22
45	A toxicology ontology roadmap. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 129-137.	1.5	22
46	Cheminformatics. <i>Communications of the ACM</i> , 2012, 55, 65-75.	4.5	21
47	Three Hybrid Classifiers for the Detection of Emotions in Suicide Notes. <i>Biomedical Informatics Insights</i> , 2012, 5s1, BII.S8967.	4.6	21
48	Self-organizing ontology of biochemically relevant small molecules. <i>BMC Bioinformatics</i> , 2012, 13, 3.	2.6	20
49	Theory and ontology in behavioural science. <i>Nature Human Behaviour</i> , 2020, 4, 226-226.	12.0	20
50	Creating ontological definitions for use in science. <i>Qeios</i> , 0, , .	0.0	20
51	libChEBI: an API for accessing the ChEBI database. <i>Journal of Cheminformatics</i> , 2016, 8, 11.	6.1	19
52	Ontologies relevant to behaviour change interventions: a method for their development. <i>Wellcome Open Research</i> , 2020, 5, 126.	1.8	18
53	Evaluating the Emotion Ontology through use in the self-reporting of emotional responses at an academic conference. <i>Journal of Biomedical Semantics</i> , 2014, 5, 38.	1.6	14
54	Learning chemistry: exploring the suitability of machine learning for the task of structure-based chemical ontology classification. <i>Journal of Cheminformatics</i> , 2021, 13, 23.	6.1	14

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55	Specifying who delivers behaviour change interventions: development of an Intervention Source Ontology. Wellcome Open Research, 2021, 6, 77.	1.8	14
56	Why and how to engage expert stakeholders in ontology development: insights from social and behavioural sciences. Journal of Biomedical Semantics, 2021, 12, 4.	1.6	12
57	Ten recommendations for software engineering in research. GigaScience, 2014, 3, 31.	6.4	11
58	Ontologies for Human Behavior Analysis and Their Application to Clinical Data. International Review of Neurobiology, 2012, 103, 89-107.	2.0	10
59	Ontologies relevant to behaviour change interventions: a method for their development. Wellcome Open Research, 2020, 5, 126.	1.8	10
60	More phenomenology in psychiatry? Applied ontology as a method towards integration. Lancet Psychiatry, the, 2022, 9, 751-758.	7.4	10
61	Addiction Ontology: Applying Basic Formal Ontology in the Addiction domain. Qeios, 0, , .	0.0	8
62	OntoQuery: easy-to-use web-based OWL querying. Bioinformatics, 2013, 29, 2955-2957.	4.1	7
63	Addiction Theories and Constructs: a new series. Addiction, 2019, 114, 955-956.	3.3	7
64	Ontologies relevant to behaviour change interventions: a method for their development. Wellcome Open Research, 0, 5, 126.	1.8	7
65	The case for development of an E-cigarette Ontology (E-CigO) to improve quality, efficiency and clarity in the conduct and interpretation of research. Qeios, 0, , .	0.0	7
66	Unintended consequences of existential quantifications in biomedical ontologies. BMC Bioinformatics, 2011, 12, 456.	2.6	6
67	Modelling Highly Symmetrical Molecules: Linking Ontologies and Graphs. Lecture Notes in Computer Science, 2012, , 103-111.	1.3	6
68	The first eNanoMapper prototype: A substance database to support safe-by-design. , 2014, , .		5
69	Non-monotonic fibril surface occlusion by GFP tags from coarse-grained molecular simulations. Computational and Structural Biotechnology Journal, 2022, 20, 309-321.	4.1	4
70	Creating ontological definitions for use in science. Qeios, 0, , .	0.0	4
71	Application of Domain Ontologies to Natural Language Processing. International Journal of Information Retrieval Research, 2015, 5, 19-38.	0.7	3
72	Using Genome-Scale Metabolic Networks for Analysis, Visualization, and Integration of Targeted Metabolomics Data. Methods in Molecular Biology, 2020, 2104, 361-386.	0.9	2

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73	Chemical ontologies: what are they, what are they for and what are the challenges. Journal of Cheminformatics, 2011, 3, .	6.1	1
74	Process attributes in bio-ontologies. BMC Bioinformatics, 2012, 13, 217.	2.6	1
75	Flow with the flux: Systems biology tools predict metabolic drivers of ageing in C.Âlegans. Current Opinion in Systems Biology, 2019, 13, 102-107.	2.6	1
76	Accessing and Using Chemical Property Databases. Methods in Molecular Biology, 2012, 929, 193-219.	0.9	1
77	ChEBI â€“ an Open-access Chemistry Resource for the Life Sciences:*Facilities for On-line Submission and Curation. Nature Precedings, 2010, , .	0.1	0
78	Structured chemical class definitions and automated matching for chemical ontology evolution. Journal of Cheminformatics, 2012, 4, .	6.1	0
79	Ontologies in Chemoinformatics. , 2017, , 2163-2181.		0
80	Ontologies in Cheminformatics. , 2016, , 1-19.		0
81	Interdyscyplinarne perspektywy rozwoju, integracji i zastosowaÅ„, ontologii poznawczych. Avant, 2016, VII, 101-117.	0.1	0