Thomas Bittner

List of Publications by Year
in descending order

41	708	567144 15	610775 24
papers	citations	h-index	g-index

42	42	42	384
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the computational realization of formal ontologies: Formalizing an ontology of instantiation in spacetime using Isabelle/HOL as a case study. Applied Ontology, 2019, 14, 251-292.	1.0	1
2	Is There a Quantum Geography?. Springer Geography, 2019, , 209-239.	0.3	1
3	Formal ontology of space, time, and physical entities in classical mechanics. Applied Ontology, 2018, 13, 135-179.	1.0	4
4	Vague distance predicates. GeoInformatica, 2017, 21, 209-229.	2.0	0
5	Approximation. , 2017, , 71-77.		0
6	Approximation. , 2016, , 1-7.		0
7	The RNA Ontology (RNAO): An ontology for integrating RNA sequence and structure data. Applied Ontology, 2011, 6, 53-89.	1.0	23
8	Vagueness and the trade-off between the classification and delineation of geographic regions â€“ an ontological analysis. International Journal of Geographical Information Science, 2011, 25, 825-850.	2.2	11
9	Ontologyâ€based Qualitative Feature Analysis: Bays as a Case Study. Transactions in GIS, 2010, 14, 547-568.	1.0	9
10	On the Integration of Regional Classification and Delineation Systems into The National Map. Cartographica, 2010, 45, 127-139.	0.2	0
11	The RNA Ontology (RNAO): An ontology for integrating RNA sequence and structure data. Nature Precedings, 2009, , .	0.1	3
12	Logical properties of foundational mereogeometrical relations in bio-ontologies. Applied Ontology, 2009, 4, 109-138.	1.0	9
13	Summation relations and portions of stuff. Philosophical Studies, 2009, 143, 167-185.	0.5	9
14	A spatio-temporal ontology for geographic information integration. International Journal of Geographical Information Science, 2009, 23, 765-798.	2.2	67
15	Modeling Principles and Methodologies - Spatial Representation and Reasoning. Computational Biology, 2008, , 307-326.	0.1	5
16	Approximation. , 2008, , 21-25.		0
17	The qualitative and time-dependent character of spatial relations in biomedical ontologies. Bioinformatics, 2007, 23, 1674-1682.	1.8	6
18	Logical properties of foundational relations in bio-ontologies. Artificial Intelligence in Medicine, 2007, 39, 197-216.	3.8	35

#	Article	IF	Citations
19	From Top-Level to Domain Ontologies: Ecosystem Classifications as a Case Study. , 2007, , 61-77.		10
20	Ontological Investigation of a Multiscale Ecosystem Classification Using the â€œNational Hierarchical Framework of Ecological Unitsâ€•as an Example. GeoInformatica, 2006, 10, 313-335.	2.0	12
21	Granularity, scale and collectivity: When size does and does not matter. Journal of Biomedical Informatics, 2006, 39, 333-349.	2.5	49
22	Biomedical ontologies: What part-of is and isnâ€™t. Journal of Biomedical Informatics, 2006, 39, 350-361.	2.5	41
23	A formal theory for spatial representation and reasoning in biomedical ontologies. Artificial Intelligence in Medicine, 2006, 36, 1-27.	3.8	55
24	Understanding Taxonomies of Ecosystems: a Case Study. , 2005, , 559-572.		6
25	Spatial Relations Between Classes of Individuals. Lecture Notes in Computer Science, 2005, , 182-199.	1.0	14
26	A MEREOLOGICAL THEORY OF FRAMES OF REFERENCE. International Journal on Artificial Intelligence Tools, 2004, 13, 171-198.	0.7	3
27	Modeling Surface Hydrology Concepts with Endurance and Perdurance. Lecture Notes in Computer Science, 2004, , 67-80.	1.0	9
28	Stratified Rough Sets and Vagueness. Lecture Notes in Computer Science, 2003, , 270-286.	1.0	28
29	Scale in Object and Process Ontologies. Lecture Notes in Computer Science, 2003, , 13-27.	1.0	11
30	A Theory of Granular Partitions. , 2003, , 117-149.		55
31	Vague Reference and Approximating Judgments. Spatial Cognition and Computation, 2003, 3, 137-156.	0.6	5
32	Vagueness and Rough Location. GeoInformatica, 2002, 6, 99-121.	2.0	44
33	Approximate Qualitative Temporal Reasoning. Annals of Mathematics and Artificial Intelligence, 2002, 36, 39-80.	0.9	22
34	Rough Sets in Spatio-temporal Data Mining. Lecture Notes in Computer Science, 2001, , 89-104.	1.0	17
35	A Taxonomy of Granular Partitions. Lecture Notes in Computer Science, 2001, , 28-43.	1.0	23
36	Rough Sets in Approximate Spatial Reasoning. Lecture Notes in Computer Science, 2001, , 445-453.	1.0	18

#	Article	IF	Citations
37	Approximate qualitative spatial reasoning. Spatial Cognition and Computation, 2000, 2, 435-466.	0.6	19
38	A qualitative formalization of built environments. Lecture Notes in Computer Science, 2000, , 959-969.	1.0	2
39	On Ontology in Image Analysis. Lecture Notes in Computer Science, 1999, , 168-191.	1.0	20
40	On Ontology and Epistemology of Rough Location. Lecture Notes in Computer Science, 1999, , 433-448.	1.0	12
41	A boundary-sensitive approach to qualitative location. Annals of Mathematics and Artificial Intelligence, 1998, 24, 93-114.	0.9	39