James Geller

List of Publications by Year
in descending order

54 papers	654 citations	686830 13 h-index	676716 22 g-index
55 all docs	55 docs citations	55 times ranked	485 citing authors

#	Article	IF	Citations
1	Knowledge Graph Analysis of Russian Trolls. , 2021, , .		0
2	Visual comprehension and orientation into the COVID-19 CIDO ontology. Journal of Biomedical Informatics, 2021, 120, 103861.	2.5	4
3	Health Ontology for Minority Equity (HOME). , 2021, , .		2
4	Knowledge Graph Analysis of Russian Trolls. , 2021, , .		0
5	Concept placement using BERT trained by transforming and summarizing biomedical ontology structure. Journal of Biomedical Informatics, 2020, 112, 103607.	2.5	8
6	Outlier concepts auditing methodology for a large family of biomedical ontologies. BMC Medical Informatics and Decision Making, 2020, 20, 296.	1.5	1
7	Missing lateral relationships in top-level concepts of an ontology. BMC Medical Informatics and Decision Making, 2020, 20, 305.	1.5	2
8	Extending import detection algorithms for concept import from two to three biomedical terminologies. BMC Medical Informatics and Decision Making, 2020, 20, 272.	1.5	2
9	Desiderata for High Quality AMIA Presentation Files. AMIA ... Annual Symposium proceedings, 2020, 2020, 482-491.	0.2	0
10	Alternative classification of identical concepts in different terminologies: Different ways to view the world. Journal of Biomedical Informatics, 2019, 94, 103193.	2.5	3
11	Measuring and Avoiding Information Loss During Concept Import from a Source to a Target Ontology. , 2019, , .		0
12	Detecting Political Bias Trolls in Twitter Data. , 2019, , .		2
13	Training a Convolutional Neural Network with Terminology Summarization Data Improves SNOMED CT Enrichment. AMIA ... Annual Symposium proceedings, 2019, 2019, 972-981.	0.2	2
14	Transfer Learning from BERT to Support Insertion of New Concepts into SNOMED CT. AMIA ... Annual Symposium proceedings, 2019, 2019, 1129-1138.	0.2	4
15	Detecting Political Bias Trolls in Twitter Data. , 2019, , .		0
16	Enrichment of SNOMED CT Ophthalmology Component to Support EHR Coding. , 2018, , .		1
17	Extended Analysis of Topological-Pattern-Based Ontology Enrichment. , 2018, 2018, 1641-1648.		6
18	Quality assurance of biomedical terminologies and ontologies. Journal of Biomedical Informatics, 2018, 86, 106-108.	2.5	8

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19	Complex overlapping concepts: An effective auditing methodology for families of similarly structured BioPortal ontologies. Journal of Biomedical Informatics, 2018, 83, 135-149.	2.5	4
20	Leveraging Horizontal Density Differences between Ontologies to Identify Missing Child Concepts: A Proof of Concept. AMIA ... Annual Symposium proceedings, 2018, 2018, 644-653.	0.2	5
21	Enabling Real-Time Drug Abuse Detection in Tweets. , 2017, , .		29
22	An empirical analysis of ontology reuse in BioPortal. Journal of Biomedical Informatics, 2017, 71, 165-177.	2.5	29
23	Quality assurance of chemical ingredient classification for the National Drug File â€“ Reference Terminology. Journal of Biomedical Informatics, 2017, 73, 30-42.	2.5	6
24	Discovering additional complex NCIt gene concepts with high error rate. , 2017, , .		2
25	Auditing National Cancer Institute thesaurus neoplasm concepts in groups of high error concentration. Applied Ontology, 2017, 12, 113-130.	1.0	3
26	Perceiving the Usefulness of the National Cancer Institute Metathesaurus for Enriching NCIt with Topological Patterns. Studies in Health Technology and Informatics, 2017, 245, 863-867.	0.2	5
27	UCS: Ultimate course search. , 2016, , .		0
28	Utilizing a structural meta-ontology for family-based quality assurance of the BioPortal ontologies. Journal of Biomedical Informatics, 2016, 61, 63-76.	2.5	17
29	A unified software framework for deriving, visualizing, and exploring abstraction networks for ontologies. Journal of Biomedical Informatics, 2016, 62, 90-105.	2.5	27
30	Quality assurance of the gene ontology using abstraction networks. Journal of Bioinformatics and Computational Biology, 2016, 14, 1642001.	0.3	24
31	Topological-Pattern-Based Recommendation of UMLS Concepts for National Cancer Institute Thesaurus. AMIA ... Annual Symposium proceedings, 2016, 2016, 618-627.	0.2	14
32	Preliminary Analysis of Difficulty of Importing Pattern-Based Concepts into the National Cancer Institute Thesaurus. Studies in Health Technology and Informatics, 2016, 228, 389-93.	0.2	9
33	A comparative analysis of the density of the SNOMED CT conceptual content for semantic harmonization. Artificial Intelligence in Medicine, 2015, 64, 29-40.	3.8	25
34	Using aggregate taxonomies to summarize SNOMED CT evolution. , 2015, , .		3
35	A tribal abstraction network for SNOMED CT target hierarchies without attribute relationships. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 628-639.	2.2	33
36	Collaborative and trajectory prediction models of medical conditions by mining patients' Social Data. , 2015, , .		3

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37	Summarizing and visualizing structural changes during the evolution of biomedical ontologies using a Diff Abstraction Network. Journal of Biomedical Informatics, 2015, 56, 127-144.	2.5	14
38	Twitter sentiment classification for measuring public health concerns. Social Network Analysis and Mining, 2015, 5, 13.	1.9	101
39	Scalable quality assurance for large SNOMED CT hierarchies using subject-based subtaxonomies. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 507-518.	2.2	44
40	Sculpting the UMLS Refined Semantic Network. Online Journal of Public Health Informatics, 2014, 6, e181.	0.4	10
41	Categorizing the Relationships between Structurally Congruent Concepts from Pairs of Terminologies for Semantic Harmonization. AMIA Summits on Translational Science Proceedings, 2014, 2014, 48-53.	0.4	13
42	Monitoring Public Health Concerns Using Twitter Sentiment Classifications. , 2013, , .		57
43	A Bootstrapping Approach for Developing a Cyber-security Ontology Using Textbook Index Terms. , 2013, , .		8
44	Google Knows Who is Famous Today -- Building an Ontology from Search Engine Knowledge and DBpedia. , 2011, , .		8
45	A survey of SNOMED CT direct users, 2010: impressions and preferences regarding content and quality. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, i36-i44.	2.2	38
46	Using WordNet synonym substitution to enhance UMLS source integration. Artificial Intelligence in Medicine, 2009, 46, 97-109.	3.8	25
47	Structural group-based auditing of missing hierarchical relationships in UMLS. Journal of Biomedical Informatics, 2009, 42, 452-467.	2.5	25
48	Auditing SNOMED relationships using a converse abstraction network. AMIA ... Annual Symposium proceedings, 2009, 2009, 685-9.	0.2	9
49	Evaluating Ontologies Based on the Naturalness of Their Preferred Terms. , 2008, , .		4
50	Contextual Partitioning for Comprehension of OODB Schemas. Knowledge and Information Systems, 2004, 6, 315-344.	2.1	2
51	Title is missing!. Minds and Machines, 2003, 13, 441-444.	2.7	3
52	Enhancing OODB semantics to support browsing in an OODB vocabulary representation. Concurrency Computation Practice and Experience, 2003, 15, 845-869.	1.4	0
53	Frameworks for incorporating semantic relationships into object-oriented database systems. Concurrency Computation Practice and Experience, 2003, 15, 1337-1362.	1.4	4
54	Evaluation and application of a semantic network partition. IEEE Transactions on Information Technology in Biomedicine, 2002, 6, 109-115.	3.6	6