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	Twitter sentiment classification for measuring public health concerns. Social Network Analysis and Mining, 2015, 5, 13.	1.9	101
2	Monitoring Public Health Concerns Using Twitter Sentiment Classifications. , 2013, , .		57
3	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
4	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
5	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
6	Enabling Real-Time Drug Abuse Detection in Tweets. , 2017, , .		29
7	An empirical analysis of ontology reuse in BioPortal. Journal of Biomedical Informatics, 2017, 71, 165-177.	2.5	29
8	A unified software framework for deriving, visualizing, and exploring abstraction networks for ontologies. Journal of Biomedical Informatics, 2016, 62, 90-105.	2.5	27
9	Using WordNet synonym substitution to enhance UMLS source integration. Artificial Intelligence in Medicine, 2009, 46, 97-109.	3.8	25
10	Structural group-based auditing of missing hierarchical relationships in UMLS. Journal of Biomedical Informatics, 2009, 42, 452-467.	2.5	25
11	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
12	Quality assurance of the gene ontology using abstraction networks. Journal of Bioinformatics and Computational Biology, 2016, 14, 1642001.	0.3	24
13	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
14	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
15	Topological-Pattern-Based Recommendation of UMLS Concepts for National Cancer Institute Thesaurus. AMIA ... Annual Symposium proceedings, 2016, 2016, 618-627.	0.2	14
16	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
17	Sculpting the UMLS Refined Semantic Network. Online Journal of Public Health Informatics, 2014, 6, e181.	0.4	10
18	Auditing SNOMED relationships using a converse abstraction network. AMIA ... Annual Symposium proceedings, 2009, 2009, 685-9.	0.2	9

#	Article	IF	Citations
19	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
20	Google Knows Who is Famous Today -- Building an Ontology from Search Engine Knowledge and DBpedia. , 2011, , .		8
21	A Bootstrapping Approach for Developing a Cyber-security Ontology Using Textbook Index Terms. , 2013, , .		8
22	Quality assurance of biomedical terminologies and ontologies. Journal of Biomedical Informatics, 2018, 86, 106-108.	2.5	8
23	Concept placement using BERT trained by transforming and summarizing biomedical ontology structure. Journal of Biomedical Informatics, 2020, 112, 103607.	2.5	8
24	Evaluation and application of a semantic network partition. IEEE Transactions on Information Technology in Biomedicine, 2002, 6, 109-115.	3.6	6
25	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
26	Extended Analysis of Topological-Pattern-Based Ontology Enrichment. , 2018, 2018, 1641-1648.		6
27	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
28	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
29	Frameworks for incorporating semantic relationships into object-oriented database systems. Concurrency Computation Practice and Experience, 2003, 15, 1337-1362.	1.4	4
30	Evaluating Ontologies Based on the Naturalness of Their Preferred Terms. , 2008, , .		4
31	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
32	Visual comprehension and orientation into the COVID-19 CIDO ontology. Journal of Biomedical Informatics, 2021, 120, 103861.	2.5	4
33	Transfer Learning from BERT to Support Insertion of New Concepts into SNOMED CT. AMIA ... Annual Symposium proceedings, 2019, 2019, 1129-1138.	0.2	4
34	Title is missing!. Minds and Machines, 2003, 13, 441-444.	2.7	3
35	Using aggregate taxonomies to summarize SNOMED CT evolution. , 2015, , .		3
36	Collaborative and trajectory prediction models of medical conditions by mining patients' Social Data. , 2015, , .		3

#	Article	IF	Citations
37	Auditing National Cancer Institute thesaurus neoplasm concepts in groups of high error concentration. Applied Ontology, 2017, 12, 113-130.	1.0	3
38	Alternative classification of identical concepts in different terminologies: Different ways to view the world. Journal of Biomedical Informatics, 2019, 94, 103193.	2.5	3
39	Contextual Partitioning for Comprehension of OODB Schemas. Knowledge and Information Systems, 2004, 6, 315-344.	2.1	2
40	Discovering additional complex NCIt gene concepts with high error rate. , 2017, , .		2
41	Missing lateral relationships in top-level concepts of an ontology. BMC Medical Informatics and Decision Making, 2020, 20, 305.	1.5	2
42	Detecting Political Bias Trolls in Twitter Data. , 2019, , .		2
43	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
44	Health Ontology for Minority Equity (HOME). , 2021, , .		2
45	Training a Convolutional Neural Network with Terminology Summarization Data Improves SNOMED CT Enrichment. AMIA ... Annual Symposium proceedings, 2019, 2019, 972-981.	0.2	2
46	Enrichment of SNOMED CT Ophthalmology Component to Support EHR Coding. , 2018, , .		1
47	Outlier concepts auditing methodology for a large family of biomedical ontologies. BMC Medical Informatics and Decision Making, 2020, 20, 296.	1.5	1
48	Enhancing OODB semantics to support browsing in an OODB vocabulary representation. Concurrency Computation Practice and Experience, 2003, 15, 845-869.	1.4	0
49	UCS: Ultimate course search. , 2016, , .		0
50	Knowledge Graph Analysis of Russian Trolls. , 2021, , .		0
51	Measuring and Avoiding Information Loss During Concept Import from a Source to a Target Ontology. , 2019, , .		0
52	Desiderata for High Quality AMIA Presentation Files. AMIA ... Annual Symposium proceedings, 2020, 2020, 482-491.	0.2	0
53	Knowledge Graph Analysis of Russian Trolls. , 2021, , .		0
54	Detecting Political Bias Trolls in Twitter Data. , 2019, , .		0