

Amit Sheth

List of Publications by Year in descending order

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Version: 2024-02-01

210
papers

11,389
citations

57758

44
h-index

40979

93
g-index

220
all docs

220
docs citations

220
times ranked

8557
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | An overview of workflow management: From process modeling to workflow automation infrastructure. Distributed and Parallel Databases, 1995, 3, 119-153. | 1.6 | 1,130 |
| 2 | The SSN ontology of the W3C semantic sensor network incubator group. Web Semantics, 2012, 17, 25-32. | 2.9 | 1,070 |
| 3 | Quality of service for workflows and web service processes. Web Semantics, 2004, 1, 281-308. | 2.9 | 723 |
| 4 | Semantic Sensor Web. IEEE Internet Computing, 2008, 12, 78-83. | 3.3 | 483 |
| 5 | METEOR-S WSDI: A Scalable P2P Infrastructure of Registries for Semantic Publication and Discovery of Web Services. Information Technology and Management, 2005, 6, 17-39. | 2.4 | 336 |
| 6 | Semantic E-Workflow Composition. Journal of Intelligent Information Systems, 2003, 21, 191-225. | 3.9 | 280 |
| 7 | Semantic and schematic similarities between database objects: a context-based approach. VLDB Journal, 1996, 5, 276-304. | 4.1 | 279 |
| 8 | Early-onset colorectal cancer: initial clues and current views. Nature Reviews Gastroenterology and Hepatology, 2020, 17, 352-364. | 17.8 | 220 |
| 9 | Services Mashups: The New Generation of Web Applications. IEEE Internet Computing, 2008, 12, 13-15. | 3.3 | 219 |
| 10 | Semantic Gateway as a Service Architecture for IoT Interoperability. , 2015, , . | | 195 |
| 11 | Physical-Cyber-Social Computing: An Early 21st Century Approach. IEEE Intelligent Systems, 2013, 28, 78-82. | 4.0 | 164 |
| 12 | Toward Practical Privacy-Preserving Analytics for IoT and Cloud-Based Healthcare Systems. IEEE Internet Computing, 2018, 22, 42-51. | 3.3 | 159 |
| 13 | Citizen Sensing, Social Signals, and Enriching Human Experience. IEEE Internet Computing, 2009, 13, 87-92. | 3.3 | 156 |
| 14 | RNAP II CTD Phosphorylated on Threonine-4 Is Required for Histone mRNA 3' End Processing. Science, 2011, 334, 683-686. | 12.6 | 136 |
| 15 | Internet of Things to Smart IoT Through Semantic, Cognitive, and Perceptual Computing. IEEE Intelligent Systems, 2016, 31, 108-112. | 4.0 | 134 |
| 16 | îi-Queries. , 2003, , . | | 133 |
| 17 | On Using the Intelligent Edge for IoT Analytics. IEEE Intelligent Systems, 2017, 32, 64-69. | 4.0 | 130 |
| 18 | Semantics for the Semantic Web. International Journal on Semantic Web and Information Systems, 2005, 1, 1-18. | 5.1 | 126 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Managing heterogeneous multi-system tasks to support enterprise-wide operations. Distributed and Parallel Databases, 1995, 3, 155-186. | 1.6 | 125 |
| 20 | “I just wanted to tell you that loperamide WILL WORK” A web-based study of extra-medical use of loperamide. Drug and Alcohol Dependence, 2013, 130, 241-244. | 3.2 | 117 |
| 21 | From Data to Actionable Knowledge: Big Data Challenges in the Web of Things [Guest Editors' Introduction]. IEEE Intelligent Systems, 2013, 28, 6-11. | 4.0 | 116 |
| 22 | Exception Handling in Workflow Systems. Applied Intelligence, 2000, 13, 125-147. | 5.3 | 112 |
| 23 | Semantic Association Identification and Knowledge Discovery for National Security Applications. Journal of Database Management, 2005, 16, 33-53. | 1.5 | 105 |
| 24 | Semantic WS-agreement partner selection. , 2006, , . | | 104 |
| 25 | Challenges of Sentiment Analysis for Dynamic Events. IEEE Intelligent Systems, 2017, 32, 70-75. | 4.0 | 103 |
| 26 | “Those edibles hit hard” Exploration of Twitter data on cannabis edibles in the U.S. Drug and Alcohol Dependence, 2016, 164, 64-70. | 3.2 | 102 |
| 27 | “Time for dabs” Analyzing Twitter data on marijuana concentrates across the U.S.. Drug and Alcohol Dependence, 2015, 155, 307-311. | 3.2 | 101 |
| 28 | Linked sensor data. , 2010, , . | | 96 |
| 29 | Semi-Supervised Approach to Monitoring Clinical Depressive Symptoms in Social Media. , 2017, 2017, 1191-1198. | | 94 |
| 30 | From Raw Data to Smart Manufacturing: AI and Semantic Web of Things for Industry 4.0. IEEE Intelligent Systems, 2018, 33, 79-86. | 4.0 | 89 |
| 31 | What Are People Tweeting About Zika? An Exploratory Study Concerning Its Symptoms, Treatment, Transmission, and Prevention. JMIR Public Health and Surveillance, 2017, 3, e38. | 2.6 | 89 |
| 32 | Semantically Annotating a Web Service. IEEE Internet Computing, 2007, 11, 83-85. | 3.3 | 82 |
| 33 | Don't like RDF reification?. , 2014, 2014, 759-770. | | 75 |
| 34 | Knowledge-aware Assessment of Severity of Suicide Risk for Early Intervention. , 2019, , . | | 75 |
| 35 | Semantic Interoperability of Web Services - Challenges and Experiences. , 2006, , . | | 72 |
| 36 | Semantic Provenance for eScience: Managing the Deluge of Scientific Data. IEEE Internet Computing, 2008, 12, 46-54. | 3.3 | 70 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | SPARQ2L, 2007, , . | | 69 |
| 38 | Emergency-relief coordination on social media: Automatically matching resource requests and offers. First Monday, 0, , . | 0.6 | 69 |
| 39 | “When ‘Bad’ is ‘Good’”: Identifying Personal Communication and Sentiment in Drug-Related Tweets. JMIR Public Health and Surveillance, 2016, 2, e162. | 2.6 | 68 |
| 40 | IntelliGEN: A Distributed Workflow System for Discovering Protein-Protein Interactions. Distributed and Parallel Databases, 2003, 13, 43-72. | 1.6 | 67 |
| 41 | On Searching the Internet of Things: Requirements and Challenges. IEEE Intelligent Systems, 2016, 31, 71-75. | 4.0 | 66 |
| 42 | Semantics of the Black-Box: Can Knowledge Graphs Help Make Deep Learning Systems More Interpretable and Explainable?. IEEE Internet Computing, 2021, 25, 51-59. | 3.3 | 65 |
| 43 | Extracting City Traffic Events from Social Streams. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-27. | 4.5 | 64 |
| 44 | kBot: Knowledge-Enabled Personalized Chatbot for Asthma Self-Management. , 2019, 2019, 138-143. | | 64 |
| 45 | Semantics to energize the full services spectrum. Communications of the ACM, 2006, 49, 55-61. | 4.5 | 62 |
| 46 | How Will the Internet of Things Enable Augmented Personalized Health?. IEEE Intelligent Systems, 2018, 33, 89-97. | 4.0 | 60 |
| 47 | Building IoT-Based Applications for Smart Cities: How Can Ontology Catalogs Help?. IEEE Internet of Things Journal, 2018, 5, 3978-3990. | 8.7 | 59 |
| 48 | Multimodal mental health analysis in social media. PLoS ONE, 2020, 15, e0226248. | 2.5 | 58 |
| 49 | Computing for human experience: Semantics-empowered sensors, services, and social computing on the ubiquitous Web. IEEE Internet Computing, 2010, 14, 88-91. | 3.3 | 55 |
| 50 | Characterizing marijuana concentrate users: A web-based survey. Drug and Alcohol Dependence, 2017, 178, 399-407. | 3.2 | 53 |
| 51 | Authorization and Access Control of Application Data in Workflow Systems. Journal of Intelligent Information Systems, 2002, 18, 71-94. | 3.9 | 51 |
| 52 | Comparative trust management with applications: Bayesian approaches emphasis. Future Generation Computer Systems, 2014, 31, 182-199. | 7.5 | 49 |
| 53 | Semantic Modeling for Cloud Computing, Part 1. IEEE Internet Computing, 2010, 14, 81-83. | 3.3 | 48 |
| 54 | Semantic Perception: Converting Sensory Observations to Abstractions. IEEE Internet Computing, 2012, 16, 26-34. | 3.3 | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | The $\bar{\tau}$ -operator. SIGMOD Record, 2002, 31, 42-47. | 1.2 | 46 |
| 56 | Introduction to Semantic Web Services and Web Process Composition. Lecture Notes in Computer Science, 2005, , 1-13. | 1.3 | 46 |
| 57 | Workflow Management Systems and ERP Systems: Differences, Commonalities, and Applications. Information Technology and Management, 2004, 5, 319-338. | 2.4 | 45 |
| 58 | "Let Me Tell You About Your Mental Health!". , 2018, , . | | 44 |
| 59 | Traveling the Semantic Web through Space, Time, and Theme. IEEE Internet Computing, 2008, 12, 81-86. | 3.3 | 42 |
| 60 | Knowledge Graphs and Knowledge Networks: The Story in Brief. IEEE Internet Computing, 2019, 23, 67-75. | 3.3 | 42 |
| 61 | Discovery of Web services in a federated registry environment. , 2004, , . | | 41 |
| 62 | Predictive Analysis on Twitter: Techniques and Applications. Lecture Notes in Social Networks, 2019, , 67-104. | 0.1 | 41 |
| 63 | The SSN Ontology of the W3C Semantic Sensor Network Incubator Group. SSRN Electronic Journal, 0, , . | 0.4 | 39 |
| 64 | Intent Classification of Short-Text on Social Media. , 2015, , . | | 39 |
| 65 | Next-Generation Smart Environments: From System of Systems to Data Ecosystems. IEEE Intelligent Systems, 2018, 33, 69-76. | 4.0 | 39 |
| 66 | Janus: From Workflows to Semantic Provenance and Linked Open Data. Lecture Notes in Computer Science, 2010, , 129-141. | 1.3 | 39 |
| 67 | IoT Quality Control for Data and Application Needs. IEEE Intelligent Systems, 2017, 32, 68-73. | 4.0 | 38 |
| 68 | Shades of Knowledge-Infused Learning for Enhancing Deep Learning. IEEE Internet Computing, 2019, 23, 54-63. | 3.3 | 36 |
| 69 | Continuous Semantics to Analyze Real-Time Data. IEEE Internet Computing, 2010, 14, 84-89. | 3.3 | 35 |
| 70 | EmojiNet: Building a Machine Readable Sense Inventory for Emoji. Lecture Notes in Computer Science, 2016, 10046, 527-541. | 1.3 | 34 |
| 71 | A Twitter-based survey on marijuana concentrate use. Drug and Alcohol Dependence, 2018, 187, 155-159. | 3.2 | 34 |
| 72 | Optimal Adaptation in Web Processes with Coordination Constraints. , 2006, , . | | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Investigation of an Indoor Air Quality Sensor for Asthma Management in Children. , 2017, 1, 1-4. | | 33 |
| 74 | Semantic Modeling for Cloud Computing, Part 2. IEEE Internet Computing, 2010, 14, 81-84. | 3.3 | 32 |
| 75 | Semantics in Location-Based Services [Guest editor's introduction]. IEEE Internet Computing, 2011, 15, 10-14. | 3.3 | 32 |
| 76 | Augmented personalized health: How smart data with IoTs and AI is about to change healthcare. , 2017, 2017, . | | 32 |
| 77 | Modeling Islamist Extremist Communications on Social Media using Contextual Dimensions. Proceedings of the ACM on Human-Computer Interaction, 2019, 3, 1-22. | 3.3 | 32 |
| 78 | Relationships at the Heart of Semantic Web: Modeling, Discovering, and Exploiting Complex Semantic Relationships. Studies in Fuzziness and Soft Computing, 2004, , 63-94. | 0.8 | 32 |
| 79 | Semantic Web Services, Part 2. IEEE Intelligent Systems, 2007, 22, 8-15. | 4.0 | 31 |
| 80 | A Quality Type-aware Annotated Corpus and Lexicon for Harassment Research. , 2018, , . | | 31 |
| 81 | Increases in synthetic cannabinoids-related harms: Results from a longitudinal web-based content analysis. International Journal of Drug Policy, 2017, 44, 121-129. | 3.3 | 31 |
| 82 | “How Is My Child’s Asthma?” Digital Phenotype and Actionable Insights for Pediatric Asthma. JMIR Pediatrics and Parenting, 2018, 1, e11988. | 1.6 | 31 |
| 83 | Comparative Analysis of Online Health Queries Originating From Personal Computers and Smart Devices on a Consumer Health Information Portal. Journal of Medical Internet Research, 2014, 16, e160. | 4.3 | 31 |
| 84 | A semantics-based measure of emoji similarity. , 2017, , . | | 30 |
| 85 | Identifying Key Topics Bearing Negative Sentiment on Twitter: Insights Concerning the 2015-2016 Zika Epidemic. JMIR Public Health and Surveillance, 2019, 5, e11036. | 2.6 | 30 |
| 86 | Scalable semantic analytics on social networks for addressing the problem of conflict of interest detection. ACM Transactions on the Web, 2008, 2, 1-29. | 2.5 | 29 |
| 87 | “Sub is a weird drug:” A web-based study of lay attitudes about use of buprenorphine to self-treat opioid withdrawal symptoms. American Journal on Addictions, 2015, 24, 403-409. | 1.4 | 27 |
| 88 | Semantic Filtering for Social Data. IEEE Internet Computing, 2016, 20, 74-78. | 3.3 | 27 |
| 89 | Smart cities “enabling services and applications. Journal of Internet Services and Applications, 2016, 7, . | 2.1 | 27 |
| 90 | Semantics Centric Solutions for Application and Data Portability in Cloud Computing. , 2010, , . | | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Cognitive Services and Intelligent Chatbots: Current Perspectives and Special Issue Introduction. IEEE Internet Computing, 2019, 23, 6-12. | 3.3 | 26 |
| 92 | Defining and detecting toxicity on social media: context and knowledge are key. Neurocomputing, 2022, 490, 312-318. | 5.9 | 26 |
| 93 | Building the Web of Knowledge with Smart IoT Applications. IEEE Intelligent Systems, 2016, 31, 83-88. | 4.0 | 25 |
| 94 | Social determinants of health in mental health care and research: a case for greater inclusion. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 895-899. | 4.4 | 25 |
| 95 | Knowledge Graph Enhanced Community Detection and Characterization. , 2019, , . | | 25 |
| 96 | Context and Domain Knowledge Enhanced Entity Spotting in Informal Text. Lecture Notes in Computer Science, 2009, , 260-276. | 1.3 | 25 |
| 97 | Knowledge modeling and its application in life sciences. , 2006, , . | | 24 |
| 98 | Twitris: A System for Collective Social Intelligence. , 2014, , 2240-2253. | | 24 |
| 99 | Multimodal social intelligence in a real-time dashboard system. VLDB Journal, 2010, 19, 825-848. | 4.1 | 23 |
| 100 | Question Answering for Suicide Risk Assessment Using Reddit. , 2019, , . | | 23 |
| 101 | Cognitive Digital Twins for Smart Manufacturing. IEEE Intelligent Systems, 2021, 36, 96-100. | 4.0 | 23 |
| 102 | Gleaning Types for Literals in RDF Triples with Application to Entity Summarization. Lecture Notes in Computer Science, 2016, , 85-100. | 1.3 | 23 |
| 103 | Determination of Personalized Asthma Triggers From Multimodal Sensing and a Mobile App: Observational Study. JMIR Pediatrics and Parenting, 2019, 2, e14300. | 1.6 | 23 |
| 104 | Power of Clouds in Your Pocket: An Efficient Approach for Cloud Mobile Hybrid Application Development. , 2010, , . | | 22 |
| 105 | Physical-Cyber-Social Computing: Looking Back, Looking Forward. IEEE Internet Computing, 2015, 19, 7-11. | 3.3 | 22 |
| 106 | Finding street gang members on Twitter. , 2016, 206, 685-692. | | 22 |
| 107 | “Retweet to Pass the Blunt”: Analyzing Geographic and Content Features of Cannabis-Related Tweeting Across the United States. Journal of Studies on Alcohol and Drugs, 2017, 78, 910-915. | 1.0 | 22 |
| 108 | "You got to love rosin: Solventless dabs, pure, clean, natural medicine." Exploring Twitter data on emerging trends in Rosin Tech marijuana concentrates. Drug and Alcohol Dependence, 2018, 183, 248-252. | 3.2 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Extending Patient-Chatbot Experience with Internet-of-Things and Background Knowledge: Case Studies with Healthcare Applications. IEEE Intelligent Systems, 2019, 34, 24-30. | 4.0 | 22 |
| 110 | Semantic, Cognitive, and Perceptual Computing: Paradigms That Shape Human Experience. Computer, 2016, 49, 64-72. | 1.1 | 21 |
| 111 | Provenance Context Entity (PaCE): Scalable Provenance Tracking for Scientific RDF Data. Lecture Notes in Computer Science, 2010, 6187, 461-470. | 1.3 | 21 |
| 112 | Application Portability in Cloud Computing: An Abstraction-Driven Perspective. IEEE Transactions on Services Computing, 2015, 8, 945-957. | 4.6 | 20 |
| 113 | An ontological approach to focusing attention and enhancing machine perception on the Web. Applied Ontology, 2011, 6, 345-376. | 2.0 | 19 |
| 114 | Multimodal Emotion Classification. , 2019, , . | | 19 |
| 115 | Extending Semantic Provenance into the Web of Data. IEEE Internet Computing, 2011, 15, 40-48. | 3.3 | 18 |
| 116 | Automatic Domain Identification for Linked Open Data. , 2013, , . | | 18 |
| 117 | Semantics Driven Approach for Knowledge Acquisition From EMRs. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 515-524. | 6.3 | 18 |
| 118 | Listed for sale: Analyzing data on fentanyl, fentanyl analogs and other novel synthetic opioids on one cryptomarket. Drug and Alcohol Dependence, 2020, 213, 108115. | 3.2 | 18 |
| 119 | Semantics-Empowered Social Computing. IEEE Internet Computing, 2009, 13, 76-80. | 3.3 | 16 |
| 120 | A statistical and schema independent approach to identify equivalent properties on linked data. , 2013, , . | | 16 |
| 121 | Global trends, local harms: availability of fentanyl-type drugs on the dark web and accidental overdoses in Ohio. Computational and Mathematical Organization Theory, 2019, 25, 48-59. | 2.0 | 16 |
| 122 | Guest Editors' Introduction: Provenance in Web Applications. IEEE Internet Computing, 2011, 15, 17-21. | 3.3 | 15 |
| 123 | Computing perception from sensor data. , 2012, , . | | 15 |
| 124 | Knowledge Graph Semantic Enhancement of Input Data for Improving AI. IEEE Internet Computing, 2020, 24, 66-72. | 3.3 | 15 |
| 125 | Analyzing and learning the language for different types of harassment. PLoS ONE, 2020, 15, e0227330. | 2.5 | 15 |
| 126 | An Efficient Bit Vector Approach to Semantics-Based Machine Perception in Resource-Constrained Devices. Lecture Notes in Computer Science, 2012, , 149-164. | 1.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Chapter 1 On the expressiveness of the languages for the semantic web â€” Making a case for â€”a little moreâ€™. Capturing Intelligence, 2006, 1, 3-20. | 1.5 | 14 |
| 128 | Pattern-based synonym and antonym extraction. , 2010, , . | | 14 |
| 129 | Knowledge-Driven Personalized Contextual mHealth Service for Asthma Management in Children. , 2015, , . | | 14 |
| 130 | Structural schema integration with full and partial correspondence using the dual model. Information Systems, 1992, 17, 443-464. | 3.6 | 13 |
| 131 | Kino: A Generic Document Management System for Biologists Using SA-REST and Faceted Search. , 2011, , . | | 13 |
| 132 | Knowledge will propel machine understanding of content. , 2017, 2017, 1-9. | | 13 |
| 133 | Mental Health Analysis Via Social Media Data. , 2018, , . | | 13 |
| 134 | Topical anomaly detection from Twitter stream. , 2012, , . | | 12 |
| 135 | Knowledge-Intensive Language Understanding for Explainable AI. IEEE Internet Computing, 2021, 25, 19-24. | 3.3 | 12 |
| 136 | Characterization of time-variant and time-invariant assessment of suicidality on Reddit using C-SSRS. PLoS ONE, 2021, 16, e0250448. | 2.5 | 12 |
| 137 | ALONE: A Dataset for Toxic Behavior Among Adolescents on Twitter. Lecture Notes in Computer Science, 2020, , 427-439. | 1.3 | 12 |
| 138 | eDarkFind: Unsupervised Multi-view Learning for Sybil Account Detection. , 2020, , . | | 12 |
| 139 | Template Based Semantic Similarity for Security Applications. Lecture Notes in Computer Science, 2005, , 621-622. | 1.3 | 11 |
| 140 | Knowledge-Infused Abstractive Summarization of Clinical Diagnostic Interviews: Framework Development Study. JMIR Mental Health, 2021, 8, e20865. | 3.3 | 11 |
| 141 | â€œEtazene, safer than heroin and fentanylâ€” Non-fentanyl novel synthetic opioid listings on one darknet market. Drug and Alcohol Dependence, 2021, 225, 108790. | 3.2 | 11 |
| 142 | Bounding the effects of compensation under relaxed multi-level serializability. Distributed and Parallel Databases, 1996, 4, 355-374. | 1.6 | 10 |
| 143 | Growing Fields of Interest - Using an Expand and Reduce Strategy for Domain Model Extraction. , 2008, , . | | 10 |
| 144 | Web Wisdom: An essay on how Web 2.0 and Semantic Web can foster a global knowledge society. Computers in Human Behavior, 2011, 27, 1285-1293. | 8.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Semantics Empowered Web 3.0: Managing Enterprise, Social, Sensor, and Cloud-based Data and Services for Advanced Applications. Synthesis Lectures on Data Management, 2012, 4, 1-175. | 0.6 | 10 |
| 146 | Feature engineering for twitter-based applications. , 2018, , 359-393. | | 10 |
| 147 | Knowledge-infused Learning for Entity Prediction in Driving Scenes. Frontiers in Big Data, 2021, 4, 759110. | 2.9 | 10 |
| 148 | A new landscape for distributed and parallel data management. Distributed and Parallel Databases, 2012, 30, 101-103. | 1.6 | 9 |
| 149 | IoT-Enhanced Human Experience. IEEE Internet Computing, 2018, 22, 4-7. | 3.3 | 9 |
| 150 | Knowledge Graphs to Empower Humanity-Inspired AI Systems. IEEE Internet Computing, 2020, 24, 48-54. | 3.3 | 9 |
| 151 | Ontology-Driven Provenance Management in eScience: An Application in Parasite Research. Lecture Notes in Computer Science, 2009, , 992-1009. | 1.3 | 9 |
| 152 | Assisting coordination during crisis. , 2014, , . | | 8 |
| 153 | Harnessing relationships for domain-specific subgraph extraction: A recommendation use case. , 2016, , . | | 8 |
| 154 | Enhancing crowd wisdom using measures of diversity computed from social media data. , 2017, , . | | 8 |
| 155 | Enterprise Applications of Semantic Web: The Sweet Spot of Risk and Compliance. , 2005, , 47-62. | | 8 |
| 156 | Knowledge-infused Deep Learning. , 2020, , . | | 8 |
| 157 | From the SIGGROUP's US Advisor for Workflow. ACM SIGGROUP Bulletin, 1997, 18, 17. | 0.4 | 7 |
| 158 | Quality of Service for Workflows and Web Service Processes. SSRN Electronic Journal, 2004, , . | 0.4 | 7 |
| 159 | Semantics Scales Up: Beyond Search in Web 3.0. IEEE Internet Computing, 2011, 15, 3-6. | 3.3 | 7 |
| 160 | Data driven knowledge acquisition method for domain knowledge enrichment in the healthcare. , 2012, , . | | 7 |
| 161 | Towards Semantic Integration of Machine Vision Systems to Aid Manufacturing Event Understanding. Sensors, 2021, 21, 4276. | 3.8 | 7 |
| 162 | A Knowledge Graph Framework for Detecting Traffic Events Using Stationary Cameras. , 2017, , . | | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Relatedness-based Multi-Entity Summarization. , 2017, 2017, 1060-1066. | | 7 |
| 164 | Drug Abuse Ontology to Harness Web-Based Data for Substance Use Epidemiology Research: Ontology Development Study. JMIR Public Health and Surveillance, 2022, 8, e24938. | 2.6 | 7 |
| 165 | Hierarchical interest graph from tweets. , 2014, , . | | 6 |
| 166 | “When they say weed causes depression, but it’s your fav antidepressant” Knowledge-aware attention framework for relationship extraction. PLoS ONE, 2021, 16, e0248299. | 2.5 | 6 |
| 167 | Designing Children’s New Learning Partner: Collaborative Artificial Intelligence for Learning to Solve the Rubik’s Cube. , 2021, , . | | 6 |
| 168 | Implicit Entity Recognition in Clinical Documents. , 2015, , . | | 6 |
| 169 | CausalkG: Causal Knowledge Graph Explainability Using Interventional and Counterfactual Reasoning. IEEE Internet Computing, 2022, 26, 43-50. | 3.3 | 6 |
| 170 | A semantic template based designer for Web processes. , 2005, , . | | 5 |
| 171 | Business process management. Data and Knowledge Engineering, 2008, 64, 1-2. | 3.4 | 5 |
| 172 | Alignment and dataset identification of linked data in the Semantic Web. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 139-151. | 6.8 | 5 |
| 173 | Domain-specific hierarchical subgraph extraction: A recommendation use case. , 2017, , . | | 5 |
| 174 | What’s ur Type? Contextualized Classification of User Types in Marijuana-Related Communications Using Compositional Multiview Embedding. , 2018, , . | | 5 |
| 175 | Twitris: A System for Collective Social Intelligence. , 2018, , 3212-3234. | | 5 |
| 176 | The Cloud Agnostic e-Science Analysis Platform. IEEE Internet Computing, 2011, 15, 85-89. | 3.3 | 4 |
| 177 | Applications of Multimodal Physical (IoT), Cyber and Social Data for Reliable and Actionable Insights. , 2014, , . | | 4 |
| 178 | Semantics-Empowered Big Data Processing with Applications. AI Magazine, 2015, 36, 39-54. | 1.6 | 4 |
| 179 | When the Bad is Good and the Good is Bad: Understanding Cyber Social Health Through Online Behavioral Change. IEEE Internet Computing, 2021, 25, 6-11. | 3.3 | 4 |
| 180 | Video anywhere. SIGMOD Record, 1999, 28, 104-114. | 1.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | D-record. , 2018, , . | | 3 |
| 182 | Knowledge Extraction for the Web of Things (KE4WoT). , 2018, , . | | 3 |
| 183 | Domain-Specific Use Cases for Knowledge-Enabled Social Media Analysis. Lecture Notes in Social Networks, 2019, , 233-246. | 0.1 | 3 |
| 184 | OpenWS-Transaction: Enabling Reliable Web Service Transactions. Lecture Notes in Computer Science, 2005, , 490-494. | 1.3 | 3 |
| 185 | “Who can help me?” Knowledge Infused Matching of Support Seekers and Support Providers during COVID-19 on Reddit. , 2021, , . | | 3 |
| 186 | Analysis of online information searching for cardiovascular diseases on a consumer health information portal. AMIA ... Annual Symposium proceedings, 2014, 2014, 739-48. | 0.2 | 3 |
| 187 | An Ontology for Cardiothoracic Surgical Education and Clinical Data Analytics. Studies in Health Technology and Informatics, 2022, , . | 0.3 | 3 |
| 188 | Knowledge-Based Entity Prediction for Improved Machine Perception in Autonomous Systems. IEEE Intelligent Systems, 2022, 37, 42-49. | 4.0 | 3 |
| 189 | Characterising Concepts of Interest Leveraging Linked Data and the Social Web. , 2013, , . | | 2 |
| 190 | Enhancing Crowd Wisdom Using Explainable Diversity Inferred from Social Media. , 2018, , . | | 2 |
| 191 | The Duality of Data and Knowledge Across the Three Waves of AI. IT Professional, 2021, 23, 35-45. | 1.5 | 2 |
| 192 | Towards Cloud Mobile Hybrid Application Generation Using Semantically Enriched Domain Specific Languages. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 349-360. | 0.3 | 2 |
| 193 | Inter-enterprise System and Application Integration: A Reality Check. Lecture Notes in Business Information Processing, 2008, , 3-15. | 1.0 | 2 |
| 194 | Twitris: A System for Collective Social Intelligence. , 2017, , 1-23. | | 2 |
| 195 | Feedback-Driven Radiology Exam Report Retrieval with Semantics. , 2015, , . | | 1 |
| 196 | Reports of the Workshops of the 32nd AAAI Conference on Artificial Intelligence. AI Magazine, 2018, 39, 45-56. | 1.6 | 1 |
| 197 | A Pipeline for Disaster Response and Relief Coordination. , 2019, , . | | 1 |
| 198 | Assessing the Severity of Health States based on Social Media Posts. , 2021, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Predicting public opinion on drug legalization. , 2019, , . | | 1 |
| 200 | Synthesis of CdZnTeSe single crystals for room temperature radiation detector fabrication: mitigation of hole trapping effects using a convolutional neural network. Journal of Materials Science: Materials in Electronics, 2022, 33, 1452-1463. | 2.2 | 1 |
| 201 | InfoHarness. SIGMOD Record, 1995, 24, 478. | 1.2 | 0 |
| 202 | Welcome to Prof. Amit Sheth. Distributed and Parallel Databases, 2007, 22, 105-106. | 1.6 | 0 |
| 203 | Implicit Information Extraction from Clinical Notes. , 2015, , . | | 0 |
| 204 | Characterizing Trends in Synthetic Cannabinoid Receptor Agonist Use from Patient Clinical Evaluations during Medical Toxicology Consultation. Journal of Psychoactive Drugs, 2020, 53, 1-8. | 1.7 | 0 |
| 205 | When the Bad Is Good and the Good Is Bad: Understanding Cyber Social Health Through Online Behavioral Change. IEEE Internet Computing, 2021, 25, 46-47. | 3.3 | 0 |
| 206 | Personalized Digital Phenotype Score, Healthcare Management and Intervention Strategies Using Knowledge Enabled Digital Health Framework for Pediatric Asthma. , 0, , . | | 0 |
| 207 | WORP (a public resource and repository for workflow and process management) and upcoming events in workflow. ACM SIGGROUP Bulletin, 1997, 18, 9-10. | 0.4 | 0 |
| 208 | Comparing Suicide Risk Insights derived from Clinical and Social Media data. AMIA Summits on Translational Science Proceedings, 2021, 2021, 364-373. | 0.4 | 0 |
| 209 | Automatic Identification of Individual Drugs in Death Certificates. Studies in Health Technology and Informatics, 2019, 264, 183-187. | 0.3 | 0 |
| 210 | Personalized Health Knowledge Graph. CEUR Workshop Proceedings, 2018, 2317, . | 2.3 | 0 |