

Syed Sibte Raza Abidi

List of Publications by Year in descending order

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102
papers

1,060
citations

566801

15
h-index

525886

27
g-index

112
all docs

112
docs citations

112
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	Knowledge management in healthcare: towards "knowledge-driven"™ decision-support services. International Journal of Medical Informatics, 2001, 63, 5-18.	1.6	124
2	Applying Social Network Analysis to Understand the Knowledge Sharing Behaviour of Practitioners in a Clinical Online Discussion Forum. Journal of Medical Internet Research, 2012, 14, e170.	2.1	60
3	Bridging the Gap: Knowledge Seeking and Sharing in a Virtual Community of Emergency Practice. Evaluation and the Health Professions, 2009, 32, 314-327.	0.9	59
4	A Knowledge Creation Info-Structure to Acquire and Crystallize the Tacit Knowledge of Health-Care Experts. IEEE Transactions on Information Technology in Biomedicine, 2005, 9, 193-204.	3.6	57
5	Healthcare Knowledge Management: The Art of the Possible. , 2007, , 1-20.		42
6	A Predictive Model for Personalized Therapeutic Interventions in Non-small Cell Lung Cancer. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 424-431.	3.9	41
7	Exploiting Machine Learning Algorithms and Methods for the Prediction of Agitated Delirium After Cardiac Surgery: Models Development and Validation Study. JMIR Medical Informatics, 2019, 7, e14993.	1.3	40
8	Leveraging XML-based electronic medical records to extract experiential clinical knowledge. International Journal of Medical Informatics, 2002, 68, 187-203.	1.6	32
9	Intelligent health data analytics: A convergence of artificial intelligence and big data. Healthcare Management Forum, 2019, 32, 178-182.	0.6	31
10	Semantic Web Framework for Knowledge-Centric Clinical Decision Support Systems. Lecture Notes in Computer Science, 2007, , 451-455.	1.0	29
11	Evaluation of an online discussion forum for emergency practitioners. Health Informatics Journal, 2007, 13, 255-266.	1.1	25
12	Ontology Engineering to Model Clinical Pathways: Towards the Computerization and Execution of Clinical Pathways. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	23
13	Merging Disease-Specific Clinical Guidelines to Handle Comorbidities in a Clinical Decision Support Setting. Lecture Notes in Computer Science, 2013, , 28-32.	1.0	23
14	Exploiting Semantic Web Technologies to Develop OWL-Based Clinical Practice Guideline Execution Engines. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 388-398.	3.9	22
15	Execution-time integration of clinical practice guidelines to provide decision support for comorbid conditions. Artificial Intelligence in Medicine, 2019, 94, 117-137.	3.8	22
16	Predicting Kidney Graft Survival Using Machine Learning Methods: Prediction Model Development and Feature Significance Analysis Study. Journal of Medical Internet Research, 2021, 23, e26843.	2.1	20
17	An Ontology-Based Electronic Medical Record for Chronic Disease Management. , 2011, , .		15
18	An Adaptive Personalized Recommendation Strategy Featuring Context Sensitive Content Adaptation. Lecture Notes in Computer Science, 2006, , 61-70.	1.0	15

#	ARTICLE	IF	CITATIONS
19	Towards the Merging of Multiple Clinical Protocols and Guidelines via Ontology-Driven Modeling. Lecture Notes in Computer Science, 2009, , 81-85.	1.0	15
20	Analyzing Data Clusters: A Rough Sets Approach to Extract Cluster-Defining Symbolic Rules. Lecture Notes in Computer Science, 2001, , 248-257.	1.0	14
21	Medical Knowledge Morphing via a Semantic Web Framework. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	14
22	Diabetes-Related Behavior Change Knowledge Transfer to Primary Care Practitioners and Patients: Implementation and Evaluation of a Digital Health Platform. JMIR Medical Informatics, 2018, 6, e25.	1.3	14
23	Modeling clinical workflows using business process modeling notation. , 2012, , .		13
24	Semantics-based plausible reasoning to extend the knowledge coverage of medical knowledge bases for improved clinical decision support. BioData Mining, 2017, 10, 7.	2.2	13
25	Indoor location identification of patients for directing virtual care: An AI approach using machine learning and knowledge-based methods. Artificial Intelligence in Medicine, 2020, 108, 101931.	3.8	13
26	A Web Recommender System for Recommending, Predicting and Personalizing Music Playlists. Lecture Notes in Computer Science, 2009, , 335-342.	1.0	13
27	Knowledge sharing for pediatric pain management via a Web 2.0 framework. Studies in Health Technology and Informatics, 2009, 150, 287-91.	0.2	13
28	Towards a collaborative learning environment for children's pain management: leveraging an online discussion forum. Health Informatics Journal, 2005, 11, 19-31.	1.1	12
29	A multi-phase correlation search framework for mining non-taxonomic relations from unstructured text. Knowledge and Information Systems, 2014, 38, 641-667.	2.1	12
30	H-DRIVE: A Big Health Data Analytics Platform for Evidence-Informed Decision Making. , 2015, , .		11
31	Ontology Driven CPG Authoring and Execution via a Semantic Web Framework. , 2007, , .		10
32	D-WISE: Diabetes Web-Centric Information and Support Environment: Conceptual Specification and Proposed Evaluation. Canadian Journal of Diabetes, 2014, 38, 205-211.	0.4	10
33	A Data Mining Framework for Glaucoma Decision Support Based on Optic Nerve Image Analysis Using Machine Learning Methods. Journal of Healthcare Informatics Research, 2018, 2, 370-401.	5.3	10
34	Integrating Healthcare Knowledge Artifacts for Clinical Decision Support: Towards Semantic Web Based Healthcare Knowledge Morphing. Lecture Notes in Computer Science, 2009, , 171-175.	1.0	9
35	An intelligent tele-healthcare environment offering person-centric and wellness-maintenance services. , 2001, 25, 147-165.		8
36	Protocol-Driven Decision Support within e-Referral Systems to Streamline Patient Consultation, Triage and Referrals from Primary Care to Specialist Clinics. Journal of Medical Systems, 2017, 41, 139.	2.2	8

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37	Leveraging medical taxonomies to improve knowledge management within online communities of practice: The knowledge maps system. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 143, 121-127.	2.6	7
38	Decision support for comorbid conditions via execution-time integration of clinical guidelines using transaction-based semantics and temporal planning. <i>Artificial Intelligence in Medicine</i> , 2021, 118, 102127.	3.8	7
39	Modeling the Form and Function of Clinical Practice Guidelines: An Ontological Model to Computerize Clinical Practice Guidelines. <i>Lecture Notes in Computer Science</i> , 2009, , 81-91.	1.0	7
40	Using an Artificial Intelligence-Based Argument Theory to Generate Automated Patient Education Dialogues for Families of Children with Juvenile Idiopathic Arthritis. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1337-1341.	0.2	7
41	Usability evaluation of family physicians' interaction with the Comorbidity Ontological Modeling and Execution System (COMET). <i>Studies in Health Technology and Informatics</i> , 2013, 192, 447-51.	0.2	7
42	A semantic web-based approach to plausible reasoning for improving clinical knowledge engineering. , 2016, , .		5
43	Benchmarking semantic reasoning on mobile platforms: Towards optimization using OWL2ÂRL. <i>Semantic Web</i> , 2019, 10, 637-663.	1.1	5
44	Staged reflexive artificial intelligence driven testing algorithms for early diagnosis of pituitary disorders. <i>Clinical Biochemistry</i> , 2021, 97, 48-53.	0.8	5
45	Adaptive Patient Education Framework Featuring Personalized Cardiovascular Risk Management Interventions. <i>Lecture Notes in Computer Science</i> , 2006, , 264-268.	1.0	5
46	Operationalizing Prostate Cancer Clinical Pathways: An Ontological Model to Computerize, Merge and Execute Institution-Specific Clinical Pathways. <i>Lecture Notes in Computer Science</i> , 2009, , 1-12.	1.0	5
47	Semantic knowledge modeling and evaluation of argument Theory to develop dialogue based patient education systems for chronic disease Self-Management. <i>International Journal of Medical Informatics</i> , 2022, 160, 104693.	1.6	5
48	A Digital Health System to Assist Family Physicians to Safely Prescribe NOAC Medications. <i>Studies in Health Technology and Informatics</i> , 2016, 228, 519-23.	0.2	5
49	Augmenting GEM-encoded clinical practice guidelines with relevant best evidence autonomously retrieved from MEDLINE. <i>Health Informatics Journal</i> , 2005, 11, 95-110.	1.1	4
50	An ontological modeling approach to align institution-specific Clinical Pathways: Towards inter-institution care standardization. , 2012, , .		4
51	An Infobutton For Web 2.0 Clinical Discussions: The Knowledge Linkage Framework. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012, 16, 129-135.	3.6	4
52	Investigating Plausible Reasoning Over Knowledge Graphs for Semantics-Based Health Data Analytics. , 2018, , .		4
53	Optimizing Semantic Reasoning on Memory-Constrained Platforms Using the RETE Algorithm. <i>Lecture Notes in Computer Science</i> , 2018, , 682-696.	1.0	4
54	Semantic Web-Based Modeling of Clinical Pathways Using the UML Activity Diagrams and OWL-S. <i>Lecture Notes in Computer Science</i> , 2010, , 88-99.	1.0	4

#	ARTICLE	IF	CITATIONS
55	KNOWLEDGE SHARING OVER P2P KNOWLEDGE NETWORKS: A PEER ONTOLOGY AND SEMANTIC OVERLAY DRIVEN APPROACH. , 2004, , .		4
56	An Ontology-Driven Personalization Framework for Designing Theory-Driven Self-management Interventions. Lecture Notes in Computer Science, 2013, , 97-112.	1.0	4
57	Shared decision making: using theories and technology to engage the patient in their health journey. Studies in Health Technology and Informatics, 2014, 205, 303-7.	0.2	4
58	Monitoring Activities Related to Medication Adherence in Ambient Assisted Living Environments. Studies in Health Technology and Informatics, 2017, 235, 28-32.	0.2	4
59	An intelligent info-structure for composing and pushing personalised healthcare information over the Internet. , 0, , .		3
60	A Framework To Build A Causal Knowledge Graph for Chronic Diseases and Cancers By Discovering Semantic Associations from Biomedical Literature. , 2021, , .		3
61	An AI-Driven Predictive Modelling Framework to Analyze and Visualize Blood Product Transactional Data for Reducing Blood Productsâ€™ Discards. Lecture Notes in Computer Science, 2020, , 192-202.	1.0	3
62	INITIATE: An Intelligent Adaptive Alert Environment. Studies in Health Technology and Informatics, 2015, 216, 285-9.	0.2	3
63	Towards Personalized Lifetime Health: A Platform for Early Multimorbid Chronic Disease Risk Assessment and Mitigation. Studies in Health Technology and Informatics, 2019, 264, 935-939.	0.2	3
64	Generating customized yet factually consistent information: a constraint satisfaction approach. International Journal on Digital Libraries, 2006, 6, 247-259.	1.1	2
65	Building a Knowledge Graph Representing Causal Associations Between Risk Factors and Incidence of Breast Cancer. Studies in Health Technology and Informatics, 2021, 281, 724-728.	0.2	2
66	Intelligent Information Personalization Leveraging Constraint Satisfaction and Association Rule Methods. Lecture Notes in Computer Science, 2006, , 134-145.	1.0	2
67	From Clusters to Rules: A Hybrid Framework for Generalized Symbolic Rule Induction. Lecture Notes in Computer Science, 2006, , 219-228.	1.0	2
68	Factors enabling and hindering an eLearning programme for nurses and midwives in Afghanistan. SOTL in the South, 2024, 4, 80-99.	0.1	2
69	Clinical guideline-driven personalized self-management diary for paediatric cancer survivors. Studies in Health Technology and Informatics, 2014, 205, 18-22.	0.2	2
70	An Ontological Model of Behaviour Theory to Generate Personalized Action Plans to Modify Behaviours. Studies in Health Technology and Informatics, 2016, 228, 399-403.	0.2	2
71	Explainable Decision Support Using Task Network Models in Notation3: Computerizing Lipid Management Clinical Guidelines as Interactive Task Networks. Lecture Notes in Computer Science, 2022, , 3-13.	1.0	2
72	Detecting and Resolving Inconsistencies in Ontologies Using Contradiction Derivations. , 2011, , .		1

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73	Using Knowledge Graphs to Plausibly Infer Missing Associations in EMR Data. Studies in Health Technology and Informatics, 2021, 281, 417-421.	0.2	1
74	A CIG Integration Framework to Provide Decision Support for Comorbid Conditions Using Transaction-Based Semantics and Temporal Planning. Lecture Notes in Computer Science, 2020, , 440-450.	1.0	1
75	Constraint Satisfaction Methods for Information Personalization. Lecture Notes in Computer Science, 2004, , 261-276.	1.0	1
76	Intelligent Information Personalization. , 2009, , 118-146.		1
77	SmartRL: A Context-Sensitive, Ontology-Based Rule Language for Assisted Living in Smart Environments. Lecture Notes in Computer Science, 2016, , 341-349.	1.0	1
78	Knowledge management in pediatric pain: mapping on-line expert discussions to medical literature. Studies in Health Technology and Informatics, 2004, 107, 3-7.	0.2	1
79	Discovering Central Practitioners in a Medical Discussion Forum Using Semantic Web Analytics. Studies in Health Technology and Informatics, 2017, 235, 486-490.	0.2	1
80	A Digital Framework to Support Providers and Patients in Diabetes Related Behavior Modification. Studies in Health Technology and Informatics, 2017, 235, 589-593.	0.2	1
81	Extracting Surrogate Decision Trees from Black-Box Models to Explain the Temporal Importance of Clinical Features in Predicting Kidney Graft Survival. Lecture Notes in Computer Science, 2022, , 88-98.	1.0	1
82	Clinical Guidelines as Executable and Interactive Workflows with FHIR-Compliant Health Data Input Using GLEAN. Lecture Notes in Computer Science, 2022, , 421-425.	1.0	1
83	Dataflow Oriented Similarity Matching for Scientific Workflows. , 2013, , .		0
84	Web Service Matchmaking Using a Hybrid of Signature and Specification Matching Methods. , 2014, , .		0
85	Semantic Web Framework to Computerize Staged Reflex Testing Protocols to Mitigate Underutilization of Pathology Tests for Diagnosing Pituitary Disorders. Lecture Notes in Computer Science, 2021, , 124-134.	1.0	0
86	Using Interactive Visual Analytics to Optimize in Real-Time Blood Products Inventory at a Blood Bank. Studies in Health Technology and Informatics, 2021, 281, 223-227.	0.2	0
87	A Knowledge Graph of Mechanistic Associations Between COVID-19, Diabetes Mellitus and Kidney Diseases. Studies in Health Technology and Informatics, 2021, 281, 392-396.	0.2	0
88	Ontology-Based Personalized Cognitive Behavioural Plans for Patients with Mild Depression. Studies in Health Technology and Informatics, 2021, 281, 729-733.	0.2	0
89	Analyzing Association Rules for Graft Failure Following Deceased and Live Donor Kidney Transplantation. Studies in Health Technology and Informatics, 2021, 281, 188-192.	0.2	0
90	E-healthcare via Customized Information Services: Addressing the Need for Factually Consistent Information. Lecture Notes in Computer Science, 2003, , 132-148.	1.0	0

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91	AI-Driven Pathology Laboratory Utilization Management via Data- and Knowledge-Based Analytics. Lecture Notes in Computer Science, 2019, , 241-251.	1.0	0
92	Transcription of Case Report Forms from Unstructured Referral Letters: A Semantic Text Analytics Approach. Studies in Health Technology and Informatics, 2016, 228, 322-6.	0.2	0
93	Interactive Dialogue-Based Patient Education for Juvenile Idiopathic Arthritis Using Argument Theory. Studies in Health Technology and Informatics, 2018, 247, 546-550.	0.2	0
94	A Mobile Early Stimulation Program to Support Children with Developmental Delays in Brazil. Studies in Health Technology and Informatics, 2018, 247, 785-789.	0.2	0
95	A Personalized Risk Stratification Platform for Population Lifetime Healthcare. Studies in Health Technology and Informatics, 2018, 247, 920-924.	0.2	0
96	A Digital Health Platform to Deliver Tailored Early Stimulation Programs for Children with Developmental Delays. Studies in Health Technology and Informatics, 2019, 264, 571-575.	0.2	0
97	Providing Comorbid Decision Support via the Integration of Clinical Practice Guidelines at Execution-Time by Leveraging Medical Linked Open Datasets. Studies in Health Technology and Informatics, 2019, 264, 858-862.	0.2	0
98	Proactively Guiding Patients Through ADL via Knowledge-Based and Context-Driven Activity Recognition. Studies in Health Technology and Informatics, 2019, 264, 863-867.	0.2	0
99	Applying Machine Learning to Arsenic Species and Metallomics Profiles of Toenails to Evaluate Associations of Environmental Arsenic with Incident Cancer Cases. Studies in Health Technology and Informatics, 2022, , .	0.2	0
100	A Knowledge Graph of Mechanistic Associations Between COVID-19, Diabetes Mellitus, and Chronic Kidney Disease. Studies in Health Technology and Informatics, 2022, , .	0.2	0
101	Towards an Adaptive Clinical Transcription System for In-Situ Transcribing of Patient Encounter Information. Studies in Health Technology and Informatics, 2022, , .	0.2	0
102	Using Interactive Visual Analytics to Optimize Blood Products Inventory at a Blood Bank. Studies in Health Technology and Informatics, 2022, , .	0.2	0