

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	Factors enabling and hindering an eLearning programme for nurses and midwives in Afghanistan. SOTL in the South, 2024, 4, 80-99.	0.1	2
2	Semantic knowledge modeling and evaluation of argument Theory to develop dialogue based patient education systems for chronic disease Self-Management. International Journal of Medical Informatics, 2022, 160, 104693.	1.6	5
3	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
4	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
5	Towards an Adaptive Clinical Transcription System for In-Situ Transcribing of Patient Encounter Information. Studies in Health Technology and Informatics, 2022, , .	0.2	0
6	Using Interactive Visual Analytics to Optimize Blood Products Inventory at a Blood Bank. Studies in Health Technology and Informatics, 2022, , .	0.2	0
7	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
8	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
9	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
10	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
11	Using Knowledge Graphs to Plausibly Infer Missing Associations in EMR Data. Studies in Health Technology and Informatics, 2021, 281, 417-421.	0.2	1
12	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
13	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
14	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
15	Ontology-Based Personalized Cognitive Behavioural Plans for Patients with Mild Depression. Studies in Health Technology and Informatics, 2021, 281, 729-733.	0.2	0
16	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
17	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
18	Decision support for comorbid conditions via execution-time integration of clinical guidelines using transaction-based semantics and temporal planning. Artificial Intelligence in Medicine, 2021, 118, 102127.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Staged reflexive artificial intelligence driven testing algorithms for early diagnosis of pituitary disorders. <i>Clinical Biochemistry</i> , 2021, 97, 48-53.	0.8	5
20	A Framework To Build A Causal Knowledge Graph for Chronic Diseases and Cancers By Discovering Semantic Associations from Biomedical Literature. , 2021, , .		3
21	Indoor location identification of patients for directing virtual care: An AI approach using machine learning and knowledge-based methods. <i>Artificial Intelligence in Medicine</i> , 2020, 108, 101931.	3.8	13
22	A CIG Integration Framework to Provide Decision Support for Comorbid Conditions Using Transaction-Based Semantics and Temporal Planning. <i>Lecture Notes in Computer Science</i> , 2020, , 440-450.	1.0	1
23	An AI-Driven Predictive Modelling Framework to Analyze and Visualize Blood Product Transactional Data for Reducing Blood Productsâ€™ Discards. <i>Lecture Notes in Computer Science</i> , 2020, , 192-202.	1.0	3
24	Benchmarking semantic reasoning on mobile platforms: Towards optimization using OWL2ÂRL. <i>Semantic Web</i> , 2019, 10, 637-663.	1.1	5
25	Intelligent health data analytics: A convergence of artificial intelligence and big data. <i>Healthcare Management Forum</i> , 2019, 32, 178-182.	0.6	31
26	Execution-time integration of clinical practice guidelines to provide decision support for comorbid conditions. <i>Artificial Intelligence in Medicine</i> , 2019, 94, 117-137.	3.8	22
27	Exploiting Machine Learning Algorithms and Methods for the Prediction of Agitated Delirium After Cardiac Surgery: Models Development and Validation Study. <i>JMIR Medical Informatics</i> , 2019, 7, e14993.	1.3	40
28	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
29	AI-Driven Pathology Laboratory Utilization Management via Data- and Knowledge-Based Analytics. <i>Lecture Notes in Computer Science</i> , 2019, , 241-251.	1.0	0
30	A Digital Health Platform to Deliver Tailored Early Stimulation Programs for Children with Developmental Delays. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 571-575.	0.2	0
31	Providing Comorbid Decision Support via the Integration of Clinical Practice Guidelines at Execution-Time by Leveraging Medical Linked Open Datasets. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 858-862.	0.2	0
32	Proactively Guiding Patients Through ADL via Knowledge-Based and Context-Driven Activity Recognition. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 863-867.	0.2	0
33	Towards Personalized Lifetime Health: A Platform for Early Multimorbid Chronic Disease Risk Assessment and Mitigation. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 935-939.	0.2	3
34	Investigating Plausible Reasoning Over Knowledge Graphs for Semantics-Based Health Data Analytics. , 2018, , .		4
35	A Data Mining Framework for Glaucoma Decision Support Based on Optic Nerve Image Analysis Using Machine Learning Methods. <i>Journal of Healthcare Informatics Research</i> , 2018, 2, 370-401.	5.3	10
36	Optimizing Semantic Reasoning on Memory-Constrained Platforms Using the RETE Algorithm. <i>Lecture Notes in Computer Science</i> , 2018, , 682-696.	1.0	4

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37	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
38	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
39	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
40	A Personalized Risk Stratification Platform for Population Lifetime Healthcare. Studies in Health Technology and Informatics, 2018, 247, 920-924.	0.2	0
41	Leveraging medical taxonomies to improve knowledge management within online communities of practice: The knowledge maps system. Computer Methods and Programs in Biomedicine, 2017, 143, 121-127.	2.6	7
42	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
43	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
44	Monitoring Activities Related to Medication Adherence in Ambient Assisted Living Environments. Studies in Health Technology and Informatics, 2017, 235, 28-32.	0.2	4
45	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
46	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
47	A semantic web-based approach to plausible reasoning for improving clinical knowledge engineering. , 2016, , .		5
48	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
49	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
50	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
51	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
52	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
53	A Digital Health System to Assist Family Physicians to Safely Prescribe NOAC Medications. Studies in Health Technology and Informatics, 2016, 228, 519-23.	0.2	5
54	H-DRIVE: A Big Health Data Analytics Platform for Evidence-Informed Decision Making. , 2015, , .		11

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55	INITIATE: An Intelligent Adaptive Alert Environment. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 285-9.	0.2	3
56	Web Service Matchmaking Using a Hybrid of Signature and Specification Matching Methods. , 2014, , .		0
57	A multi-phase correlation search framework for mining non-taxonomic relations from unstructured text. <i>Knowledge and Information Systems</i> , 2014, 38, 641-667.	2.1	12
58	D-WISE: Diabetes Web-Centric Information and Support Environment: Conceptual Specification and Proposed Evaluation. <i>Canadian Journal of Diabetes</i> , 2014, 38, 205-211.	0.4	10
59	Clinical guideline-driven personalized self-management diary for paediatric cancer survivors. <i>Studies in Health Technology and Informatics</i> , 2014, 205, 18-22.	0.2	2
60	Shared decision making: using theories and technology to engage the patient in their health journey. <i>Studies in Health Technology and Informatics</i> , 2014, 205, 303-7.	0.2	4
61	Dataflow Oriented Similarity Matching for Scientific Workflows. , 2013, , .		0
62	Merging Disease-Specific Clinical Guidelines to Handle Comorbidities in a Clinical Decision Support Setting. <i>Lecture Notes in Computer Science</i> , 2013, , 28-32.	1.0	23
63	An Ontology-Driven Personalization Framework for Designing Theory-Driven Self-management Interventions. <i>Lecture Notes in Computer Science</i> , 2013, , 97-112.	1.0	4
64	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
65	Modeling clinical workflows using business process modeling notation. , 2012, , .		13
66	An ontological modeling approach to align institution-specific Clinical Pathways: Towards inter-institution care standardization. , 2012, , .		4
67	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
68	Applying Social Network Analysis to Understand the Knowledge Sharing Behaviour of Practitioners in a Clinical Online Discussion Forum. <i>Journal of Medical Internet Research</i> , 2012, 14, e170.	2.1	60
69	Detecting and Resolving Inconsistencies in Ontologies Using Contradiction Derivations. , 2011, , .		1
70	An Ontology-Based Electronic Medical Record for Chronic Disease Management. , 2011, , .		15
71	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
72	Bridging the Gap: Knowledge Seeking and Sharing in a Virtual Community of Emergency Practice. <i>Evaluation and the Health Professions</i> , 2009, 32, 314-327.	0.9	59

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73	Towards the Merging of Multiple Clinical Protocols and Guidelines via Ontology-Driven Modeling. Lecture Notes in Computer Science, 2009, , 81-85.	1.0	15
74	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
75	Modeling the Form and Function of Clinical Practice Guidelines: An Ontological Model to Computerize Clinical Practice Guidelines. Lecture Notes in Computer Science, 2009, , 81-91.	1.0	7
76	A Web Recommender System for Recommending, Predicting and Personalizing Music Playlists. Lecture Notes in Computer Science, 2009, , 335-342.	1.0	13
77	Operationalizing Prostate Cancer Clinical Pathways: An Ontological Model to Computerize, Merge and Execute Institution-Specific Clinical Pathways. Lecture Notes in Computer Science, 2009, , 1-12.	1.0	5
78	Intelligent Information Personalization. , 2009, , 118-146.		1
79	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
80	Medical Knowledge Morphing via a Semantic Web Framework. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	14
81	Ontology Driven CPG Authoring and Execution via a Semantic Web Framework. , 2007, , .		10
82	Evaluation of an online discussion forum for emergency practitioners. Health Informatics Journal, 2007, 13, 255-266.	1.1	25
83	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
84	Healthcare Knowledge Management: The Art of the Possible. , 2007, , 1-20.		42
85	Semantic Web Framework for Knowledge-Centric Clinical Decision Support Systems. Lecture Notes in Computer Science, 2007, , 451-455.	1.0	29
86	Generating customized yet factually consistent information: a constraint satisfaction approach. International Journal on Digital Libraries, 2006, 6, 247-259.	1.1	2
87	Adaptive Patient Education Framework Featuring Personalized Cardiovascular Risk Management Interventions. Lecture Notes in Computer Science, 2006, , 264-268.	1.0	5
88	An Adaptive Personalized Recommendation Strategy Featuring Context Sensitive Content Adaptation. Lecture Notes in Computer Science, 2006, , 61-70.	1.0	15
89	Intelligent Information Personalization Leveraging Constraint Satisfaction and Association Rule Methods. Lecture Notes in Computer Science, 2006, , 134-145.	1.0	2
90	From Clusters to Rules: A Hybrid Framework for Generalized Symbolic Rule Induction. Lecture Notes in Computer Science, 2006, , 219-228.	1.0	2

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91	Augmenting GEM-encoded clinical practice guidelines with relevant best evidence autonomously retrieved from MEDLINE. Health Informatics Journal, 2005, 11, 95-110.	1.1	4
92	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
93	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
94	Constraint Satisfaction Methods for Information Personalization. Lecture Notes in Computer Science, 2004, , 261-276.	1.0	1
95	KNOWLEDGE SHARING OVER P2P KNOWLEDGE NETWORKS: A PEER ONTOLOGY AND SEMANTIC OVERLAY DRIVEN APPROACH. , 2004, , .		4
96	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
97	E-healthcare via Customized Information Services: Addressing the Need for Factually Consistent Information. Lecture Notes in Computer Science, 2003, , 132-148.	1.0	0
98	Leveraging XML-based electronic medical records to extract experiential clinical knowledge. International Journal of Medical Informatics, 2002, 68, 187-203.	1.6	32
99	An intelligent tele-healthcare environment offering person-centric and wellness-maintenance services. , 2001, 25, 147-165.		8
100	Knowledge management in healthcare: towards "knowledge-driven" decision-support services. International Journal of Medical Informatics, 2001, 63, 5-18.	1.6	124
101	Analyzing Data Clusters: A Rough Sets Approach to Extract Cluster-Defining Symbolic Rules. Lecture Notes in Computer Science, 2001, , 248-257.	1.0	14
102	An intelligent info-structure for composing and pushing personalised healthcare information over the Internet. , 0, , .		3