# Rafik Bouaziz

## List of Publications by Citations

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|---|---|---|---|
| 93 papers | 312 citations | 8 h-index | 12 g-index |
| 121 ext. papers | 394 ext. citations | 1.1 avg, IF | 3.66 L-index |

| # | Paper | IF | Citations |
|---|-------|----|-----------| 
| 93 | Schema Change Operations for Full Support of Schema Versioning in the τXSchema Framework. *International Journal of Information Technology and Web Engineering*, **2014**, 9, 20-46 | 1.3 | 14 |
| 92 | Database design and querying within the fuzzy semantic model. *Information Sciences*, **2007**, 177, 4598-4620 | 7.7 | 13 |
| 91 | τJSchema: A Framework for Managing Temporal JSON-Based NoSQL Databases. *Lecture Notes in Computer Science*, **2016**, 167-181 | 0.9 | 12 |
| 90 | (uptau )OWL: A Systematic Approach to Temporal Versioning of Semantic Web Ontologies. *Journal on Data Semantics*, **2016**, 5, 141-163 | 1.4 | 11 |
| 89 | Cooperative Intersection Collision Avoidance Persistent System Based on V2V Communication and Real-Time Databases **2017**, | | 10 |
| 88 | Versions to Address Business Process Flexibility Issue. *Lecture Notes in Computer Science*, **2009**, 2-14 | 0.9 | 10 |
| 87 | Schema Versioning **2015**, 7651-7661 | | 9 |
| 86 | Schema versioning in τXSchema-based multitemporal XML repositories **2011**, | | 8 |
| 85 | Fuzzy ontology implementation and query answering on databases **2009**, | | 8 |
| 84 | Fuzzy ontologies building method: Fuzzy OntoMethodology **2010**, | | 7 |
| 83 | Schema Versioning in Multi-temporal XML Databases **2008**, | | 7 |
| 82 | XML data manipulation in conventional and temporal XML databases: A survey. *Computer Science Review*, **2020**, 36, 100231 | 8.3 | 6 |
| 81 | An UML profile for representing real-time design patterns. *Journal of King Saud University - Computer and Information Sciences*, **2018**, 30, 478-497 | 2.5 | 6 |
| 80 | Integrating semantic dimension into openEHR archetypes for the management of cerebral palsy electronic medical records. *Journal of Biomedical Informatics*, **2016**, 63, 307-324 | 10.2 | 6 |
| 79 | Automation of the semantic annotation of web resources. *International Journal of Internet Technology and Secured Transactions*, **2014**, 5, 133 | 0.6 | 6 |
| 78 | A fuzzy-based ontology for Alzheimer's disease decision support **2015**, | | 6 |
| 77 | Dealing with Similarity Relations in Fuzzy Ontologies. *IEEE International Conference on Fuzzy Systems*, **2007**, | | 6 |

| # | Title | | |
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| 76 | Modeling Security Requirements in Service Based Business Processes. *Lecture Notes in Business Information Processing*, **2012**, 76-90 | 0.6 | 6 |
| 75 | Automation and evaluation of the semantic annotation of Web resources **2013**, | | 5 |
| 74 | Enhancing web services compositions with privacy capabilities **2015**, | | 5 |
| 73 | High-Level Operations for Creation and Maintenance of Temporal and Conventional Schema in the tauXSchema Framework **2014**, | | 5 |
| 72 | Versioning of Conventional Schema in the tXSchema Framework **2012**, | | 5 |
| 71 | How to Model a Real-Time Database? **2009**, | | 5 |
| 70 | Structural Model of Real-Time Databases: An Illustration **2008**, | | 5 |
| 69 | Schema Versioning in Conventional and Emerging Databases **2018**, 2054-2063 | | 5 |
| 68 | A new hybrid routing protocol for wireless sensor networks. *International Journal of Ad Hoc and Ubiquitous Computing*, **2018**, 28, 247 | 0.7 | 5 |
| 67 | Fuzzy semantic annotation of Web resources **2014**, | | 4 |
| 66 | Forensics-aware web services composition and ranking **2015**, | | 4 |
| 65 | Towards a Built-In Digital Forensics-Aware Framework for Web Services **2015**, | | 4 |
| 64 | A model-driven approach to developing web service compositions based on BPMN4SOA. *International Journal of Reasoning-based Intelligent Systems*, **2011**, 3, 194 | 0.4 | 4 |
| 63 | Querying fuzzy RDFS semantic annotations **2010**, | | 4 |
| 62 | A Disciplined Approach to Temporal Evolution and Versioning Support in JSON Data Stores. *Advances in Data Mining and Database Management Book Series*, **2019**, 114-133 | 0.6 | 4 |
| 61 | A Process to Derive Domain-Specific Patterns: Application to the Real Time Domain. *Lecture Notes in Computer Science*, **2010**, 475-489 | 0.9 | 4 |
| 60 | Towards an Automatic Intention Recognition from Client Request. *Lecture Notes in Computer Science*, **2016**, 163-172 | 0.9 | 4 |
| 59 | Implicit JSON Schema Versioning Driven by Big Data Evolution in the JSchema Framework. *Lecture Notes in Networks and Systems*, **2020**, 23-35 | 0.5 | 4 |

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| 58 | Cooperative Overtaking Assistance System Based on V2V Communications and RTDB. *Computer Journal*, **2019**, 62, 1426-1449 | 1.3 | 3 |
| 57 | Applying Digital Forensics to Service Oriented Architecture. *International Journal of Web Services Research*, **2020**, 17, 17-42 | 0.8 | 3 |
| 56 | Event-driven wireless sensor networks based on consensus **2016**, | | 3 |
| 55 | Multiversion data warehouse constraints **2010**, | | 3 |
| 54 | From platform independent service composition model in BPMN4SOA to executable service compositions **2010**, | | 3 |
| 53 | Versioning schemas of JSON-based conventional and temporal big data through high-level operations in the τJSchema framework. *International Journal of Cloud Computing*, **2021**, 10, 442 | 1 | 3 |
| 52 | JUpdate: A JSON Update Language. *Electronics (Switzerland)*, **2022**, 11, 508 | 2.6 | 3 |
| 51 | Un framework pour la génération semi-automatique d'ontologies floues. Text2FuzzyOnto. *Techniques Et Sciences Informatiques*, **2013**, 32, 671-698 | | 3 |
| 50 | From Temporal Databases to Ontology Versioning225-246 | | 3 |
| 49 | Modelling Flexible Collaborative Process: The VCP2M Approach **2015**, | | 3 |
| 48 | Changes to XML namespaces in XML schemas and their effects on associated XML documents under schema versioning **2016**, | | 3 |
| 47 | Towards Privacy-Aware Web Services Compositions **2016**, | | 3 |
| 46 | TempoX: A disciplined approach for data management in multi-temporal and multi-schema-version XML databases. *Journal of King Saud University - Computer and Information Sciences*, **2019**, 34, 1472-1472 | 2.5 | 2 |
| 45 | An Efficient Approach for Detecting and Repairing Data Inconsistencies Resulting from Retroactive Updates in Multi-temporal and Multi-version XML Databases. *Advances in Intelligent Systems and Computing*, **2015**, 135-146 | 0.4 | 2 |
| 44 | Onto-VP2M. *International Journal of E-Collaboration*, **2017**, 13, 39-62 | 1.3 | 2 |
| 43 | tauXUF: A Temporal Extension of the XQuery Update Facility Language for the tauXSchema Framework **2016**, | | 2 |
| 42 | Applicability of the (m,k)-firm Approach for the QoS Enhancement in Distributed RTDBMS. *Lecture Notes in Computer Science*, **2013**, 166-175 | 0.9 | 2 |
| 41 | An Aspect-Oriented Approach to Enforce Security Properties in Business Processes. *Lecture Notes in Computer Science*, **2013**, 344-355 | 0.9 | 2 |

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| 40 | A decision support system based on fuzzy specialized rules for the Alzheimer disease **2014**, | | 2 |
| 39 | Context-Aware Adaptive Process Information Systems: The Context-BPMN4V Meta-Model. *Lecture Notes in Computer Science*, **2014**, 366-382 | 0.9 | 2 |
| 38 | Service Oriented Tools for Medical Records Management and Versioning **2010**, | | 2 |
| 37 | Supporting Structural Evolution of Data in Web-Based Systems via Schema Versioning in the tXSchema Framework. *Advances in Computer and Electrical Engineering Book Series*, **2018**, 271-307 | 0.3 | 2 |
| 36 | A Version-based Approach to Address Flexibility of BPMN Collaborations and Choreographies **2016**, | | 2 |
| 35 | Design of an Intelligent Cooperative Road Hazard Detection Persistent System. *Advances in Intelligent Systems and Computing*, **2020**, 696-707 | 0.4 | 2 |
| 34 | Modeling Real-Time Applications with Reusable Design Patterns. *Communications in Computer and Information Science*, **2010**, 12-25 | 0.3 | 2 |
| 33 | Temporal JSON Schema Versioning in the JSchema Framework. *Journal of Digital Information Management*, **2017**, 15, 179 | 0.9 | 2 |
| 32 | Node placement optimization using particle swarm optimization and iterated local search algorithm in wireless sensor networks. *International Journal of Communication Systems*, **2021**, 34, e4813 | 1.7 | 2 |
| 31 | Definition of Design Patterns for Advanced Driver Assistance Systems **2016**, | | 2 |
| 30 | A new method for constructing and reusing domain specific design patterns: Application to RT domain. *Journal of King Saud University - Computer and Information Sciences*, **2017**, 29, 325-348 | 2.5 | 1 |
| 29 | Temporal schema versioning in ƉWL: a systematic approach for the management of time-varying knowledge. *Journal of Decision Systems*, **2016**, 1-25 | 1.2 | 1 |
| 28 | Modeling Real-Time Design Patterns with the UML-RTDP Profile **2013**, 59-82 | | 1 |
| 27 | Management of the real-time derived data in a Distributed Real-Time DBMS using the semi-total replication data **2013**, | | 1 |
| 26 | Multi-hop Energy Efficient routing protocol based on Data Controlling for Wireless Sensor Networks **2013**, | | 1 |
| 25 | Datalog-based framework for efficient query answering over fuzzy ontologies. *International Journal of Metadata, Semantics and Ontologies*, **2013**, 8, 191 | 0.6 | 1 |
| 24 | Fuzzy Ontologies Building Platform for Semantic Web92-113 | | 1 |
| 23 | Filtering Method for the Annotated and Non-Annotated Web Pages. *International Journal of Knowledge Society Research*, **2017**, 8, 1-22 | | 1 |

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| 22 | Rule Management in Clinical Decision Support Expert System for the Alzheimer Disease. *Lecture Notes in Computer Science*, **2016**, 465-477 | 0.9 | 1 |
| 21 | Conversion of XML schema design styles with StyleVolution. *International Journal of Web Information Systems*, **2019**, 16, 23-64 | 0.9 | 1 |
| 20 | Cooperative Advanced Driver Assistance Systems: A Survey and Recent Trends. *Advances in Intelligent Systems and Computing*, **2021**, 160-170 | 0.4 | 1 |
| 19 | BPMN4VC-modeller: easy-handling of versions of collaborative processes using adaptation patterns. *International Journal of Information Systems and Change Management*, **2018**, 10, 140 | 0.3 | 1 |
| 18 | A Graphical Conceptual Model for Conventional and Time-varying JSON Data. *Procedia Computer Science*, **2021**, 184, 823-828 | 1.6 | 1 |
| 17 | A Fuzzy-Based Customisation of Healthcare Knowledge to Support Clinical Domestic Decisions for Chronically Ill Patients. *Journal of Information and Knowledge Management*, **2020**, 19, 2050029 | 0.9 | 0 |
| 16 | BPMN4V for Modeling and Handling Versions of BPMN Collaborations and Choreographies. *Communications in Computer and Information Science*, **2017**, 99-123 | 0.3 | 0 |
| 15 | A new fault-tolerant architecture based on DASH for adaptive streaming video. *International Journal of Advanced Media and Communication*, **2017**, 7, 224 | 1 | |
| 14 | Towards an Efficient Datalog Based Evaluation of the FSAQL Query Language. *Lecture Notes in Computer Science*, **2013**, 150-180 | 0.9 | |
| 13 | Towards a Version-Based Approach to Deal with Business Process Evolution. *Communications in Computer and Information Science*, **2009**, 74-88 | 0.3 | |
| 12 | Self-adaptive business processes: a hybrid approach for the resolution of adaptation needs. *Innovations in Systems and Software Engineering*,1 | 1.1 | |
| 11 | Filtering Method for the Annotated and Non-Annotated Web Pages **2018**, 1300-1322 | | |
| 10 | Schema Versioning in Conventional and Emerging Databases. *Advances in Computer and Electrical Engineering Book Series*, **2019**, 672-683 | 0.3 | |
| 9 | Retrieval of Relevant Web Pages by a New Filtering Method. *Advances in Knowledge Acquisition, Transfer and Management Book Series*, **2019**, 222-247 | 0.3 | |
| 8 | Sem-SPARQL Editor: An Editor for the Semantic Interrogation of Web Pages. *Lecture Notes in Computer Science*, **2015**, 213-222 | 0.9 | |
| 7 | An NLP-Based Ontology Population for Intentional Structure. *Advances in Intelligent Systems and Computing*, **2017**, 900-910 | 0.4 | |
| 6 | Towards a Flexible Query Language. *Lecture Notes in Computer Science*, **2009**, 44-55 | 0.9 | |
| 5 | F-RT-ETM: Toward Analysis and Formalizing Real Time Transaction and Data in Real-Time Database. *Lecture Notes in Computer Science*, **2011**, 85-96 | 0.9 | |

# LIST OF PUBLICATIONS

| 4 | A Version and Context-Based Approach to Easily Model Flexible Collaborative Processes **2021**, 18-45 | |
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| 3 | Linguistic Rules for Ontology Population from Customer Request. *Lecture Notes in Computer Science*, **2018**, 72-92 | 0.9 |
| 2 | An Intelligent and Efficient Safe Driving System. *Lecture Notes in Networks and Systems*, **2022**, 181-193 | 0.5 |
| 1 | Implicit JSON Schema Versioning Triggered by Temporal Updates to JSON-Based Big Data in the Schema Framework. *Lecture Notes in Networks and Systems*, **2022**, 32-47 | 0.5 |