

List of Citations

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Note: Each publication is provided with an indication of being indexed in the Web of Science (**WoS**) and/or **SCOPUS**. Indirect self citations are denoted with grey colour.

Statistics:

- total number of citations: 167
- number of citations indexed in WoS: 47
- number of citations indexed in WoS citing papers indexed in WoS: 19
- H-index according to WoS: 3
- number of citations indexed in SCOPUS: 100
- number of citations indexed in SCOPUS citing papers indexed in SCOPUS: 41
- H-index according to SCOPUS: 4

Mlynkova, I. – Necasky, M. – Pokorny, J. – Richta, K. – Toman, K. – Toman, V.: *XML Technologie: Principy a aplikace v praxi*. Grada Publishing, Prague, Czech Republic, September 2008. ISBN 978-80-247-2725-7. (in Czech) (**The Dean's Award for the Best Monography of 2008**)

Note: The list of citations of this publication contains only theses which were not led by any of the authors.

Cited in:

- [Q1] Nehyba, P.: *EJB Component for Efficient Storage of SVG Pictures*. Master Thesis, Faculty of Informatics, Masaryk University, Brno, Czech Republic, 2012.
- [Q2] Malis, D.: *A Library for Rendering of Dynamic Text according to Templates into 2D Graphics in Ruby*. Bachelor Thesis, Czech Technical University, Prague, Czech Republic, 2012.
- [Q3] Jira, T.: *Transformation of XML into Key-Value Database Ruby*. Master Thesis, Czech Technical University, Prague, Czech Republic, 2012.
- [Q4] Brustik, T.: *Realization of Interface REST for Database System ExDB*. Bachelor Thesis, Czech Technical University, Prague, Czech Republic, 2012.
- [Q5] Kucbel, M.: *Generating Text from MathML*. Bachelor Thesis, Faculty of Informatics, Masaryk University, Brno, Czech Republic, 2011.
- [Q6] Nedoma, P.: *Implementation of an Interactive Java Applet for Teaching Graph Algorithms*, Czech Technical University, Prague, Czech Republic, 2011.
- [Q7] Kurc, T.: *Web Reservation System for Rooms at FEL*. Bachelor Thesis, Czech Technical University, Prague, Czech Republic, 2011. (in Czech)
- [Q8] Volny, J.: *Converter of Musical Notation for Visually Impaired Musicians*. Bachelor Thesis, Czech Technical University, Prague, Czech Republic, 2011. (in Czech)
- [Q9] Chaloupka, M.: *User-Driven Mapping of XML Schemas to SQL*. Bachelor Thesis, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic, 2010.
- [Q10] Hajek, P.: *Management System for Standard Documents*. Master Thesis, Czech Technical University, Prague, Czech Republic, 2010. (in Czech)
- [Q11] Glavan, S.: *System For Tutoring DB Courses*. Bachelor Thesis, Czech Technical University, Prague, Czech Republic, 2010.
- [Q12] Rezler, M.: *GUI for Presentation of Scheduling Algorithms*. Bachelor Thesis, Czech Technical University, Prague, Czech Republic, 2010. (in Czech)
- [Q13] Galajdova, J.: *XML Data Validation Using XSD Structure Definition*. Master thesis, Faculty of Informatics, Masaryk University, Brno, Czech Republic, 2010. (in Czech)

- [Q14] Pesek, L.: *Electronic Study Materials Preparing – Principles of XML*. Bachelor thesis, Faculty of Economics and Administration, University of Pardubice, Czech Republic, 2010. (in Czech)
- [Q15] Bukatovic, V.: *Comparison of Available Implementations of XML Databases*. Bachelor thesis, Faculty of Informatics, Masaryk University, Brno, Czech Republic, 2010. (in Czech)
- [Q16] Fencel, D.: *XML for the Paper*. Bachelor thesis, Faculty of Education, The University of South Bohemia, Czech Republic, 2009. (in Czech)
- [Q17] Masa, V.: *I understand; a Cycle of Digital Photographic Montages*. Master thesis, Faculty of Informatics, Masaryk University, Brno, Czech Republic, 2009. (in Czech)
- [Q18] Burda, M.: *Generating of Web Pages from XML Data using XSLT*. Bachelor thesis, Faculty of Informatics and Statistics, the University of Economics, Prague, Czech Republic, 2009. (in Czech)
- [Q19] Kehar, R.: *Configurable Storage of XML Data*. Master thesis, Faculty of Electrical Engineering, Czech Technical University, Prague, Czech Republic, 2009. (in Czech)
- [Q20] Havlín, J.: *Implementation of CellStore's In-built WWW Client*. Master thesis, Czech Technical University, Prague, Czech Republic, 2009.
- [Q21] Benedikovic, P.: *XML Structures Analysis*. Master thesis, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic, 2008.
- [Q22] Havel, J.: *Portal Solution Based on XML*. Master thesis, Faculty of Electrical Engineering, Czech Technical University, Prague, Czech Republic, 2008. (in Czech)
- [Q23] Albrechtova, Z.: *Storing Geodata in Native XML Databases*. GISacek 2007, Technical University of Ostrava, Ostrava, Czech Republic, 2007. (in Czech)
- [Q24] Zak, J.: *Implementation of the XQuery Language in the Project CellStore*. Master Thesis, Faculty of Electrical Engineering, Czech Technical University, Prague, Czech Republic, 2007. (in Czech)
- [Q25] Strnad, P.: *Transaction Manager for CellStore Project*. Master thesis, Faculty of Electrical Engineering, Czech Technical University, Prague, Czech Republic, 2007. (in Czech)
- [Q26] Albrechtova, Z.: *Storing Geodata in Native XML Databases*. Master thesis, Faculty of Applied Sciences, University of West Bohemia, Plzeň, Czech Republic, 2007. (in Czech)

Mlynkova, I.: *XML Benchmarking – the State of the Art and Possible Enhancements*. Open and Novel Issues in XML Database Applications: Future Directions and Advanced Technologies, pages 309–327, edited by Eric Pardede, La Trobe University, Australia, Idea Group Publishing – Information Science Reference, April 2009. ISBN 978-0-387-84809-9.

Cited in:

- [Q27] Fonte, D. – Carvalho, P. – Cruz, D. – Gancarski, A. L. – Henriques, P. R.: *XML Archive for Testing: a benchmark for GuessXQ*, XATA'10: Proceedings of the 8th National Conference on XML, Associated Technologies and Applications, pages 128–137, May 2010, Vila do Conde, Portugal. ISBN 978-972-99166-9-4.
- [Q28] Zavoral, F. – Dvořáková, J.: *Performance of XSLT Processors on Large Data Sets*. ICADIWT'09. Proceedings of the 2nd International Conference on the Applications of Digital Information and Web Technologies, pages 110–115, London, UK, August 2009. IEEE Computer Society, Los Alamitos, CA, USA, 2009. ISBN 978-1-4244-4456-4. **(WoS) (SCOPUS)**

Mlynkova, I. - Necasky, M.: *Heuristic Methods for Inference of XML Schemas: Lessons Learned and Open Issues*. Informatica, volume 24, issue 4, pages 577 - 602. IOS Press, 2013. ISSN 0868-4952. **[IF: 1.627, 5-Year IF: 1.074] (WoS) (SCOPUS)**

Cited in:

- [Q29] Stefanovic, P. - Kuraasova, O.: *Creation of Text Document Matrices and Visualization by Self-Organizing Map*. Information Technology And Control, Volume 43, Number 1. Kaunas University of Technology, 2014.

Necasky, M. – Klimek, J. – Maly, J. – Mlynkova, I.: *Evolution and Change Management of XML-based Systems*. Journal of Systems and Software, volume 85, issue 3, pages 683–707. Elsevier, February 2012. ISSN 0164-1212. [IF: 0.836, 5-Year IF: 1.117] (WoS) (SCOPUS)

Cited in:

- [Q30] Klimek, J. – Benda, S. – Necasky, M.: *Translation of Structural Constraints from Conceptual Model for XML to Schematron*. Journal of Universal Computer Science, volume 20, number 3, pages 277–301. J.UCS Consortium, 2014. ISSN 0948-6968. (SCOPUS)
- [Q31] Maly, J. – Necasky, M.: *Evaluation of OCL Expressions over XML Data Model*. Journal of Universal Computer Science, volume 20, number 3, pages 329–365. J.UCS Consortium, 2014. ISSN 0948-6968. (SCOPUS)
- [Q32] Hitzler, P. et al.: *Linked Data in Enterprise Information Integration*. Journal on Semantic Web – Interoperability, Usability, Applicability. IOS Press, 2012. ISSN 1570-0844. (In Press.)
- [Q33] Klimek, J. – Necasky, M.: *Formal Evolution of XML Schemas with Inheritance*. ICWS'12: Proceedings of the 19th International Conference on Web Services, pages 496–503, Honolulu, HI, USA, June 2012. IEEE Computer Society, Los Alamitos, CA, USA, 2012. ISBN 978-1-4673-2131-0. (SCOPUS)
- [Q34] Klimek, J. – Necasky, M.: *On Inheritance in Conceptual Modeling for XML*, Procedia Computer Science, volume 10, pages 54–61. Elsevier, 2012. ISSN 1877-0509. (WoS)
- [Q35] Necasky, M. – Klimek, J. – Maly, J.: *When Theory Meets Practice: A Case Report on Conceptual Modeling for XML*. ICDIM'11: Proceedings of the 6th International Conference on Digital Information Management, pages 242–251, Melbourne, QLD, Australia, September 2011. IEEE Computer Society, Los Alamitos, CA, USA, 2011. ISBN 978-1-4577-1538-9. (SCOPUS)
- [Q36] Maly, J. – Necasky, M.: *Utilizing new capabilities of XML languages to verify integrity constraints*. Proceedings of Balisage: The Markup Conference 2012. Balisage Series on Markup Technologies, volume 8, 2012. ISBN 978-1-935958-04-8. (SCOPUS)

Knap, T. – Mlynkova, I.: *Revealing Beliefs Influencing Trust between Members of the Czech Informatics Community*. SocInfo'11: Proceedings of the 3rd International Conference on Social Informatics, pages 226–239, Singapore, October 2011. Lecture Notes in Computer Science 6984, Springer-Verlag, 2011. ISBN 978-3-642-24703-3. ISSN 0302-9743. (WoS) (SCOPUS)

Cited in:

- [Q37] Gaillard, E. – Lieber, J. – Naudet, Y. – Nauer, E.: *Case-based Reasoning on E-community Knowledge*. ICCBR'13: 21st International Conference on Case-Based Reasoning Research and Development, Saratoga Springs, NY, pages 104–118. LNAI 7969, 2013. ISBN 978-364239055-5. (WoS) (SCOPUS)

Necasky, M. – Mlynkova I. – Klimek, J. – Maly, J.: *When Conceptual Model Meets Grammar: A Dual Approach to XML Data Modeling*. International Journal on Data & Knowledge Engineering, volume 72, pages 1–30. Elsevier, February 2012. ISSN 0169-023X. [IF: 1.422, 5-Year IF: 1.444] (WoS) (SCOPUS)

Cited in:

- [Q38] Maly, J. – Necasky, M.: *Evaluation of OCL Expressions over XML Data Model*. Journal of Universal Computer Science, volume 20, number 3, pages 329–365. J.UCS Consortium, 2014. ISSN 0948-6968. **(SCOPUS)**
- [Q39] Klimek, J. – Benda, S. – Necasky, M.: *Translation of Structural Constraints from Conceptual Model for XML to Schematron*. Journal of Universal Computer Science, volume 20, number 3, pages 277–301. J.UCS Consortium, 2014. ISSN 0948-6968. **(SCOPUS)**
- [Q40] Ferrarotti, F. – Hartmann, S. – Link, S.: *Efficiency Frontiers of XML Cardinality Constraints*. International Journal on Data & Knowledge Engineering, volume 87, pages 297–319. Elsevier, September 2013. ISSN 0169-023X. **(WoS) (SCOPUS)**
- [Q41] Hitzler, P. et al.: *Linked Data in Enterprise Information Integration*. Journal on Semantic Web – Interoperability, Usability, Applicability. IOS Press, 2012. ISSN 1570-0844. (In Press.)
- [Q42] Klimek, J. – Necasky, M.: *Formal Evolution of XML Schemas with Inheritance*. ICWS'12: Proceedings of the 19th International Conference on Web Services, pages 496–503, Honolulu, HI, USA, June 2012. IEEE Computer Society, Los Alamitos, CA, USA, 2012. ISBN 978-1-4673-2131-0. **(SCOPUS)**
- [Q43] Klimek, J. – Necasky, M.: *On Inheritance in Conceptual Modelling for XML*, Procedia Computer Science, volume 10, pages 54–61. Elsevier, 2012. ISSN 1877-0509. **(WoS)**
- [Q44] Maly, J. – Necasky, M.: *Describing and Verifying Integrity Constraints in XML Using OCL*. ICWS'12: Proceedings of the 19th International Conference on Web Services, pages 657–658, Honolulu, HI, USA, June 2012. IEEE Computer Society, Los Alamitos, CA, USA, 2012. ISBN 978-1-4673-2131-0. **(SCOPUS)**
- [Q45] Maly, J. – Necasky, M.: *Utilizing New Capabilities of XML Languages to Verify Integrity Constraints*. Proceedings of Balisage: The Markup Conference 2012. Balisage Series on Markup Technologies, volume 8, 2012. ISBN 978-1-935958-04-8. **(SCOPUS)**
- [Q46] Necasky, M. – Klimek, J. – Maly, J.: *When Theory Meets Practice: A Case Report on Conceptual Modeling for XML*. ICDIM'11: Proceedings of the 6th International Conference on Digital Information Management, pages 242–251, Melbourne, QLD, Australia, September 2011. IEEE Computer Society, Los Alamitos, CA, USA, 2011. ISBN 978-1-4577-1538-9. **(SCOPUS)**

Wojnar, A. – Mlynkova, I. – Dokulil, J.: *Structural and Semantic Aspects of Similarity of Document Type Definitions and XML Schemas*. Special Issue on Intelligent Distributed Information Systems of the International Journal on Information Sciences, volume 180, issue 10, pages 1817–1836. Elsevier, May 2010. ISSN 0020-0255. **[IF: 2.836, 5-Year IF: 3.009] (WoS) (SCOPUS)**

Cited in:

- [Q47] Lin, X. – Wang, N. – Zeng, X. – Sun, Y.: *XML Normalization Based on Entity Segments*. Information Sciences, volume 239, pages 85–95. Elsevier, August 2013. ISSN 0020-0255. **(WoS) (SCOPUS)**
- [Q48] Pusnik, M. – Sumak, B. – Hericko, M.: *XML Schema Domain Identification*. Proceedings of the ITI 2012 34th International Conference on Information Technology Interfaces, pages 487–492. IEEE Computer Society, 2012. ISBN 978-1-4673-1629-3. **(WoS) (SCOPUS)**
- [Q49] Tagarelli, A.: *Exploring Dictionary-Based Semantic Relatedness in Labeled Tree Data*, International Journal On Information Sciences, pages 244–268, Elsevier, 2013. ISSN 0020-0255. **(WoS) (SCOPUS)**
- [Q50] Zheng, H.-T., Chen, J.-Y., Jiang, Y.: *An Ontology-Based Approach to Chinese Semantic Advertising*, International Journal On Information Sciences, volume 216, pages 138–154. Elsevier, 2012. ISSN 0020-0255. **(WoS) (SCOPUS)**
- [Q51] Tekli, J. – Chbeir, R.: *XML Minimizing User Effort in XML Grammar Matching*, International Journal on Information Sciences, volume 210, pages 1–40, Elsevier, New York, NY, USA, 2012. ISSN 0020-0255. **(WoS) (SCOPUS)**

- [Q52] Ning, B. – Liu, C.: *XML Filtering with XPath Expressions Containing Parent and Ancestor Axes*, International Journal on Information Sciences, volume 210, pages 41–54, Elsevier, New York, NY, USA, 2012. ISSN 0020-0255. **(WoS) (SCOPUS)**
- [Q53] Piao, Y. – Wang, X.: *A Hybrid Method for XML Clustering by Structure and Content*, Journal of Software, volume 6, issue 12, pages 2361–2368, Academy Publisher, 2011. ISSN 1796-217X. **(SCOPUS)**
- [Q54] Xu, Y. – Yi, S. – Ma, S. – Tian, J.: *Multi-Standard Compatible Metadata Framework for Geo-Spatial Data*. CiSE'10: Proceedings of the International Conference on Computational Intelligence and Software Engineering, pages 1–4, December 2010. IEEE Computer Society, Los Alamitos, CA, USA, 2010. ISBN 978-1-4244-5391-7. **(SCOPUS)**
- [Q55] Xu, Y. – Ma, S. – Yi, S. – Yan, Y.: *From XML Schema to Relations: A Incremental Approach to XML Storage*. CiSE'10: Proceedings of the International Conference on Computational Intelligence and Software Engineering, pages 1–4, December 2010. IEEE Computer Society, Los Alamitos, CA, USA, 2010. ISBN 978-1-4244-5391-7. **(SCOPUS)**
- [Q56] Algergawy, A. – Nayakb, R. – Saake, G.: *Element Similarity Measures in XML Schema Matching*, Information Sciences, pages 4975–4998, Elsevier 2010. ISSN 0020-0255. **(WoS) (SCOPUS)**

Mlynkova, I. – Pokorny, J.: *Adaptability of Methods for Processing XML Data using Relational Databases – the State of the Art and Open Problems*. Special issue of the International Journal of Computer Science and Applications on Communications, Interactions and Interoperability in Information Systems, volume 4, issue 2, pages 43–62. Technomathematics Research Foundation, 2007. ISSN 0972-9038.

Cited in:

- [Q57] Necasky, M.: *Conceptual Modeling for XML*. Doctoral Thesis, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic, 2008.
- [Q58] Necasky, M.: *Reconstruction of Normalized XML Documents*, IIT'08: Proceedings of the International Conference on Innovations in Information Technology, pages 213–217, Al Ain, United Arab Emirates, December 2008. IEEE Computer Society, 2008. ISBN 978-1-4244-3396-4. **(WoS) (SCOPUS)**

Svoboda, M. – Mlynkova, I.: *Linked Data Indexing Methods: A Survey*. SWWS'11: Proceedings of the 7th International IFIP Workshop on Semantic Web & Web Semantics of ODBASE'11: 10th International Conference on Ontologies, DataBases, and Applications of Semantics, pages 474–483, Crete, Greece, October 2011. Lecture Notes in Computer Science 7046, Springer-Verlag, 2011. ISBN 978-3-642-25125-2. ISSN 0302-9743. **(WoS) (SCOPUS)**

Cited in:

- [Q59] Zhang, X. – Chen, L. – Tong, Y. – Wang, M.: *EAGRE: Towards Scalable I/O Efficient SPARQL Query Evaluation on the Cloud*. ICDE 2013, pages 565–576, Brisbane, Australia. ISBN 978-1-4673-4909-3. **(WoS)**
- [Q60] Knap, T. – Necasky, M. – Svoboda, M.: *A Framework for Storing and Providing Aggregated Governmental Linked Open Data*. EGOVIS/EDEM 2012: Joint International Conference on Electronic Government and the Information Systems Perspective, and Electronic Democracy, pages 264–270, Vienna, Austria. Springer, 2012. ISBN 978-3-642-32700-1. **(SCOPUS)**

Maly, J. – Mlynkova, I. – Necasky, M.: *XML Data Transformations as Schema Evolves*. ADBIS'11: Proceedings of the 15th International Conference on Advances in Databases and Information Systems, pages 375–388, Vienna, Austria, September 2011. Lecture Notes in Computer Science 6909, Springer-Verlag, 2011. ISBN 978-3-642-23736-2. ISSN 0302-9743. **(WoS) (SCOPUS)**

Cited in:

- [Q61] Klimek, J. – Benda, S. – Necasky, M.: *Translation of Structural Constraints from Conceptual Model for XML to Schematron*. Journal of Universal Computer Science, volume 20, number 3, pages 277–301. J.UCS Consortium, 2014. ISSN 0948-6968. **(SCOPUS)**
- [Q62] Maly, J. – Necasky, M.: *Evaluation of OCL Expressions over XML Data Model*. Journal of Universal Computer Science, volume 20, number 3, pages 329–365. J.UCS Consortium, 2014. ISSN 0948-6968. **(SCOPUS)**
- [Q63] Dixon, M.B.: *A Graphical Based Approach to the Conceptual Modeling, Validation and Generation of XML Schema Definitions*. International Journal of Information Technology and Web Engineering, volume 8, issue 1, pages 1-22. January 2013. ISSN 1554-1045. **(SCOPUS)**
- [Q64] Maly, J. – Necasky, M.: *Utilizing new capabilities of XML languages to verify integrity constraints*. Proceedings of Balisage: The Markup Conference 2012. Balisage Series on Markup Technologies, volume 8, 2012. ISBN 978-1-935958-04-8. **(SCOPUS)**
- [Q65] Huemer, C. – Wimmer, M.: *Business Document Interoperability as a Service*. SOSE'11: Proceedings of the 6th International Symposium on Service Oriented System Engineering, pages 318–326, Irvine, CA, USA, December 2011. IEEE Computer Society, Los Alamitos, CA, USA, 2009. ISBN 978-1-4673-0411-5. **(SCOPUS)**

Fajt, S. – Mlynkova, I. – Necasky, M.: *On Mining XML Integrity Constraints*. ICDIM'11: Proceedings of the 6th International Conference on Digital Information Management, pages 23–29, Melbourne, Australia, September 2011. IEEE Computer Society Press, 2011. ISBN 978-1-4577-1538-9. **(SCOPUS)**

Cited in:

- [Q66] Arenas, M. – Daenen, J. – Neven, F. – Ugarte, M. – Van Den Bussche, J. – Vansummeren, S.: *Discovering XSD Keys from XML Data*. 2013 ACM SIGMOD Conference on Management of Data, New York, NY, USA, pages 61-72. ACM Press, 2013. ISBN 978-145032037-5. **(SCOPUS)**

Svoboda, M. – Mlynkova, I.: *Correction of Invalid XML Documents with Respect to Single Type Tree Grammars*. NDT'11: Proceedings of the 3rd International Symposium on Networked Digital Technologies, pages 179–194, Macau, China, July 2011. Communications in Computer and Information Science 136, Springer-Verlag, 2011. ISBN 978-3-642-22185-9. ISSN 1865-0929. **(WoS) (SCOPUS)**

Cited in:

- [Q67] Maly, J. – Necasky, M.: *XML Document Versioning, Revalidation and Constraints*. ICWE'12 Proceedings of the 11th International Conference on Current Trends in Web Engineering, pages 317–321. Lecture Notes in Computer Science 7059, Springer, 2012. ISBN 978-3-642-27996-6. ISSN 0302-9743. **(SCOPUS)**

Klimek, J. – Mlynkova, I. – Necasky, M.: *A Framework for XML Schema Integration via Conceptual Model*. WISS'10: Proceedings of the 1st International Symposium on Web Intelligent Systems & Services of WISE'10: 11th International Conference on Web Information System Engineering, pages 84–97, Hong Kong, China, December 2010. Lecture Notes in Computer Science 6724, Springer-Verlag, 2011. ISBN 978-3-642-24395-0. ISSN 0302-9743. **(WoS) (SCOPUS)**

Cited in:

- [Q68] Aman, H. – Ibrahim, R.: *Reverse Engineering: From XML to UML for Generation of Software Requirement Specification*. CITA'13: 8th International Conference on Information Technology in Asia, Kota Samarahan, Malaysia, pages 1-6. IEEE Computer Society. ISBN 978-1-4799-1091-5. **(SCOPUS)**

[Q69] Klimek, J. – Necasky, M.: *On Inheritance in Conceptual Modeling for XML*, *Procedia Computer Science*, volume 10, pages 54–61. Elsevier, 2012. ISSN 1877-0509. **(WoS) (SCOPUS)**

Necasky, M. – Mlynkova, I.: *When Conceptual Model Meets Grammar: A Formal Approach to Semi-structured Data Modeling*. WISE'10: Proceedings of the 11th International Conference on Web Information System Engineering, pages 279–293, Hong Kong, China, December 2010. Lecture Notes in Computer Science 6488, Springer-Verlag, 2010. ISBN 3-642-17615-1. ISSN 0302-9743. **(WoS) (SCOPUS)**

Cited in:

[Q70] Amavi, J. – Bouchou, B. – Savary, A.: *On Correcting XML Documents With Respect to a Schema*. *The Computer Journal*, volume 57, issue 5. Oxford Journals 2014. **(SCOPUS)**

[Q71] Klimek, J. – Maly, J. – Necasky, M.: *XML Schema Integration with Reusable Schema Parts*. DATESO'11: Databases, Texts, Specifications, and Objects, Pisek, Czech Republic, 2011. CEUR WS, volume 706. ISSN 1613-0073. ISBN 978-80-248-2391-1. **(SCOPUS)**

Knap, T. – Mlynkova, I.: *Towards Topic-Based Trust in Social Networks*. UIC'10: Proceedings of the 7th International Conference on Ubiquitous Intelligence and Computing, pages 635–649, Xian, China, October 2010. Lecture Notes in Computer Science 6406, Springer-Verlag, 2010. ISBN 978-3-642-16354-8. ISSN 0302-9743. **(WoS) (SCOPUS)**

Cited in:

[Q72] Dokoohaki, N. – Matskin, M.: *Mining Divergent Opinion Trust Networks through Latent Dirichlet Allocation*. FOSINT-SI'12: Proceedings of the International Symposium on Foundation of Open Source Intelligence and Security Informatics, pages 879–886, Istanbul, Turkey. ACM, New York, NY, USA, 2012. ISBN 978-1-4673-2497-7.

Knap, T. – Mlynkova, I.: *Quality Assessment Networks: A Novel Approach for Assessing the Quality of Information on the Web*. QDB'10: Proceedings of the 8th International Workshop on Quality in Databases of VLDB'10: 36th International Conference on Very Large Data Bases, Singapore, September 2010. ACM Press, 2010.

Cited in:

[Q73] Cappiello, C. – Daniel, F. – Koschmider, A. – Matera, M. – Picozzi, M.: *A Quality Model for Mashups*. ICWE'11: Proceedings of the 11th International Conference on Web Engineering, pages 137–151. Lecture Notes in Computer Science 6757, Springer, June 2011. ISBN 978-3-642-22232-0. ISSN 0302-9743. **(SCOPUS)**

Necasky, M. – Mlynkova, I.: *Discovering XML Keys and Foreign Keys in Queries*. SAC'09: Proceedings of the 24th Annual ACM Symposium on Applied Computing – track Web Technologies, pages 639–646, Honolulu, Hawaii, USA, March 2009. ACM Press, 2009. ISBN 978-1-60558-166-8. **(SCOPUS)**

Cited in:

[Q74] Arenas, M. – Daenen, J. – Neven, F. – Ugarte, M. – Van Den Bussche, J. – Vansummeren, S.: *Discovering XSD Keys from XML Data*. 2013 ACM SIGMOD Conference on Management of Data, New York, NY, USA, pages 61–72. ACM Press, 2013. ISBN 978-145032037-5. **(SCOPUS)**

Necasky, M. – Mlynkova, I.: *On Different Perspectives of XML Schema Evolution*. FlexDBIST'09: Proceedings of the 4th International Workshop on Flexible Database and Information System Technology of DEXA'09: 20th International Conference on Database

and Expert Systems Applications, pages 422–426, Linz, Austria, September 2009. IEEE Computer Society Press, 2009. ISBN 978-0-7695-3763-4. ISSN 1529-4188. **(WoS)** **(SCOPUS)**

Cited in:

- [Q75] Klimek, J. – Necasky, M.: *Formal Evolution of XML Schemas with Inheritance*. ICWS'12: Proceedings of the 19th International Conference on Web Services, pages 496–503, Honolulu, HI, USA, June 2012. IEEE Computer Society, Los Alamitos, CA, USA, 2012. ISBN 978-1-4673-2131-0. **(SCOPUS)**
- [Q76] Necasky, M. – Klimek, J. – Maly, J.: *When Theory Meets Practice: A Case Report on Conceptual Modeling for XML*. ICDIM'11: Proceedings of the 6th International Conference on Digital Information Management, pages 242–251, Melbourne, QLD, Australia, September 2011. IEEE Computer Society, Los Alamitos, CA, USA, 2011. ISBN 978-1-4577-1538-9. **(SCOPUS)**
- [Q77] Klimek, J. – Maly, J. – Necasky, M.: *XML Schema Integration with Reusable Schema Parts*. DATESO'11: Databases, Texts, Specifications, and Objects, Pisek, Czech Republic, 2011. CEUR WS, volume 706. ISSN 1613-0073. ISBN 978-80-248-2391-1. **(SCOPUS)**
- [Q78] Klimek, J. – Necasky, M.: *On Inheritance in Conceptual Modeling for XML*, Procedia Computer Science, volume 10, pages 54–61. Elsevier, 2012. ISSN 1877-0509. **(WoS)**
- [Q79] Klimek, J. – Necasky, M.: *Semi-automatic Integration of Web Service Interfaces*. ICWS'10: Proceedings of the 17th International Conference on Web Services, pages 307–314, Miami, FL, USA, June 2010. IEEE Computer Society, Los Alamitos, CA, USA, 2010. ISBN 978-1-4244-8146-0. **(SCOPUS)**

Knap, T. – Mlynkova, I.: *Towards More Secure Web Services: Pitfalls of Various Approaches to XML Signature Verification Process*. ICWS'09: Proceedings of the 7th IEEE International Conference on Web Services, Applications & Industry Track, pages 543–550, Los Angeles, CA, USA, July 2009. IEEE Computer Society Press, 2009. ISBN 978-0-7695-3709-2. **(WoS)** **(SCOPUS)**

Cited in:

- [Q80] Rodrigues D. – Estrella, J.C. – Branco, K. R. L. J. C.: *Analysis of Security and Performance Aspects in Service-Oriented Architectures*. International Journal of Security and Its Applications, pages 13–30, volume 5, number 1, January, 2011. ISSN 1738-9976. **(SCOPUS)**
- [Q81] Uma, E. – Kannan, A. – Ramesh, R.: *Design of New Architecture for Providing Secure Web Services*. WCECS'11: Proceedings of The World Congress on Engineering and Computer Science, pages 412–414, San Francisco, USA. Newswood Limited, 2011. ISBN 978-988-18210-9-6.

Vranec, M. – Mlynkova, I.: *FlexBench: A Flexible XML Query Benchmark*. DASFAA'09: Proceedings of the 14th International Conference on Database Systems for Advanced Applications, pages 421–436, Brisbane, Australia, April 2009. Lecture Notes in Computer Science 5463, Springer-Verlag, 2009. ISBN 978-3-642-00886-3. ISSN 0302-9743. **(WoS)** **(SCOPUS)**

Cited in:

- [Q82] Fonte, D. – Carvalho, P. – Cruz, D. – Gancarski, A. L. – Henriques, P. R.: *XML Archive for Testing: a benchmark for GuessXQ*, XATA'10: Proceedings of the 8th National Conference on XML, Associated Technologies and Applications, pages 128–137, May 2010, Vila do Conde, Portugal. ISBN 978-972-99166-9-4.

Knap, T. – Mlynkova, I.: *Towards More Secure Web Services – Exploiting and Analysing XML Signature Security Issues*. RCIS'09: Proceedings of the 3rd International Conference

on Research Challenges in Information Science, pages 49–58, Fes, Morocco, April 2009. IEEE Computer Society Press, 2009. ISBN 978-1-4244-2864-9. **(WoS)** **(SCOPUS)**

Cited in:

[Q83] Jayachandran, S. – Bojewar, S.: *Object Based Data Partition Algorithm for XML Database*. Journal of Engineering, volume 2, issue 7, pages 78–81. IOSR, 2012. ISSN 2250-3021.

Mlynkova, I. – Necasky, M.: *Towards Inference of More Realistic XSDs*. SAC'09: Proceedings of the 24th Annual ACM Symposium on Applied Computing – track Web Technologies, pages 632–638, Honolulu, Hawaii, USA, March 2009. ACM Press, 2009. ISBN: 978-1-60558-166-8. **(The Best Paper Award)** **(SCOPUS)**

Cited in:

[Q84] Pokorný, J.: *XML in Enterprise Systems: Its Roles and Benefits*, IFIP Advances in Information and Communication Technology. Volume 326/2010, pages 128–139, Springer-Verlag, 2010. ISBN 978-3-642-15508-6. **(WoS)**

[Q85] Lampesberger, H.: *A Grammatical Inference Approach to Language-Based Anomaly Detection in XML*. ARES'13: Proceedings of the 18th International Conference on Availability, Reliability and Security, pages 685–693, Regensburg, Germany, September 2013. IEEE Computer Society Press, 2013. **(SCOPUS)**

Mlynkova, I.: *An Analysis of Approaches to XML Schema Inference*. SITIS'08: Proceedings of the 4th International Conference on Signal-Image Technology and Internet-Based Systems, pages 16–23, Bali, Indonesia, November/December 2008. IEEE Computer Society Press, 2008. ISBN 978-0-7695-3493-0. **(WoS)** **(SCOPUS)**

Cited in:

[Q86] Lampesberger, H.: *A Grammatical Inference Approach to Language-Based Anomaly Detection in XML*. ARES'13: Proceedings of the 18th International Conference on Availability, Reliability and Security, pages 685–693, Regensburg, Germany, September 2013. IEEE Computer Society Press, 2013. **(SCOPUS)**

[Q87] Wischenbart, M. et al.: *User Profile Integration Made Easy: Model-Driven Extraction and Transformation of Social Network Schemas*. WWW'12 Proceedings of the 21st International Conference Companion on World Wide Web, pages 939–948. ACM, New York, NY, USA, 2012. ISBN 978-1-4503-1230-1. **(SCOPUS)**

[Q88] Tamayo, A. – Granell, C. – Huerta, J.: *Dealing with Large Schema Sets in Mobile SOS-Based Applications*. COM.Geo'11: Proceedings of the 2nd International Conference on Computing for Geospatial Research & Applications. ACM, New York, NY, USA, Article 16, 9 pages. ISBN 978-1-4503-0681-2. **(SCOPUS)**

Mlynkova, I.: *Equivalence of XSD Constructs and its Exploitation in Similarity Evaluation*. ODBASE'08: Proceedings of the 7th International Conference on Ontologies, DataBases, and Applications of Semantics, pages 1253–1270, Monterrey, Mexico, November 2008. Lecture Notes in Computer Science 5332, Springer-Verlag, 2008. ISBN 3-540-88872-1. ISSN 0302-9743. **(WoS)** **(SCOPUS)**

Cited in:

[Q89] Patel, V. – Mohandas, R. – Pais A.: *Safeguarding Web Services Using Self-Adaptive Schema Hardening Algorithm*, Proceedings of the 4th International Conference on Advances in Network Security and Applications, Chennai, India. Communications in Computer and Information Science, volume 196, part 1, page 383–392. Springer, June 2011. ISBN 978-3-642-22540-6. ISSN 1865-0929. **(WoS)** **(SCOPUS)**

Mlynkova, I.: *Similarity of XML Schema Definitions*. DocEng'08: Proceedings of the 8th ACM Symposium on Document Engineering, pages 187–190, Sao Paulo, Brazil, September 2008. ACM Press, 2008. ISBN 978-1-60558-081-4. **(WoS) (SCOPUS)**

Cited in:

- [Q90] Quint, V. – Roisin, C. – Sire, S. – Vanoirbeek, C.: *From Templates to Schemas: Bridging the Gap between Free Editing and Safe Data Processing*. DocEng'10: Proceedings of the 10th ACM symposium on Document engineering, pages 61–64. ACM, New York, NY, USA, 2010. ISBN 978-1-4503-0231-9. **(WoS) (SCOPUS)**

Mlynkova, I.: *Standing on the Shoulders of Ants: Towards More Efficient XML-to-Relational Mapping Strategies*. XANTEC'08: Proceedings of the 3rd International Workshop on XML Data Management Tools and Techniques of DEXA'08: 19th International Conference on Database and Expert Systems Applications, pages 279–283, Turin, Italy, September 2008. IEEE Computer Society Press, 2008. ISBN 978-0-7695-3299-8. ISSN 1529-4188. **(WoS) (SCOPUS)**

Cited in:

- [Q91] Stromback, L. – Ivanova, V. – Hall, D.: *Using Statistical Information for Efficient Design and Evaluation of Hybrid XML Storage*, International Journal On Advances in Software, volume 4, numbers 3–4, pages 389–400. IARIA, 2012. ISSN 1942-2628.
- [Q92] Haw, S.-C. – Lee, C. – S.: *Data Storage Practices and Query Processing in XML Databases: A Survey*, International Journal on Knowledge-Based Systems, pages 1317–1340, Elsevier, 2011. ISSN 0950-7051. **(WoS) (SCOPUS)**
- [Q93] Stromback, L. – Ivanova, V. – Hall, D.: *Exploring Statistical Information for Applications-Specific Design and Evaluation of Hybrid XML storage*, DBKDA'11: Proceedings of the 3rd International Conference on Advances in Databases, Knowledge, and Data Applications, pages 108–113, St. Maarten, The Netherlands. IARIA, 2011. ISBN 978-1-61208-115-1.
- [Q94] Stromback, L. – Hall, D. – Asberg, M. – Schmidt, S.: *Efficient XML Data Management for Systems Biology: Problems, Tools and Future Vision*. International Journal on Advances in Software, 2009, volume 2, numbers 2–3, pages 217–233. ISSN 1942-2628.
- [Q95] Stromback, L. – Asberg, M. – Hall, D.: *HShreX – A Tool for Design and Evaluation of Hybrid XML Storage*. DEXA'09 Workshops: Proceedings of the 20th International Conference on Database and Expert Systems Applications, pages 417–421, Linz, Austria, September 2009. IEEE Computer Society, Los Alamitos, CA, USA, 2009. ISBN 978-0-7695-3763-4. **(WoS) (SCOPUS)**

Mlynkova, I.: *XML Benchmarking*. MCCSIS'08: Proceedings of the IADIS Multi Conference on Computer Science and Information Systems – subconference Informatics 2008, pages 59–66, Amsterdam, The Netherlands, July 2008. IADIS, 2008. ISBN 978-972-8924-63-8. **(SCOPUS)**

Cited in:

- [Q96] Al-Badawi, M. – North, S. – Eaglestone, B.: *The 3D XML Benchmark*. WEBIST'09: Proceedings of the 6th International Conference on Web Information Systems and Technologies, Valencia, Spain, April 7–10 2010. ISBN 978-989-674-025-2. **(SCOPUS)**
- [Q97] Al-Badawi, M.: *A Performance Evaluation of a New Bitmap-based XML Processing Approach*. Doctoral thesis, Department of Computer Science, The University of Sheffield, UK, 2010.

Mlynkova, I. – Pokorny, J.: *UserMap – an Adaptive Enhancing of User-Driven XML-to-Relational Mapping Strategies*. ADC'08: Proceedings of the 19th Australasian Database

Conference, pages 165–174, Wollongong, New South Wales, Australia, January 2008. Australian Computer Society Inc., 2008. ISBN 978-1-920682-56-9. ISSN 1445-1336, Volume 75. **(SCOPUS)**

Cited in:

- [Q98] Shahriar, M. S. – Liu, J.: *Preserving Key in XML Data Transformation*, Acta Informatica, volume 46, issue 7, pages 475–507. Springer, 2009. ISSN 0001-5903. **(WoS) (SCOPUS)**
- [Q99] Danko, O. – Skopal, T.: *Elliptic Indexing of Multidimensional Databases*, ADC'09: Proceedings of the 20th Australasian Database Conference, pages 87–95, Wellington, New Zealand. CRPIT, 92. ACS, 2009. ISSN 1445-1336. **(SCOPUS)**
- [Q100] Hoksza, D. – Skopal, T.: *Native Multidimensional Indexing in Relational Databases*, COMAD'08: Proceedings of the 14th International Conference on Management of Data, Mumbai, India, December 2008. Computer Society of India, 2008. ISBN 978-81-8424-370-3.

Mlynkova, I. – Toman, K. – Pokorny, J.: *Statistical Analysis of Real XML Data Collections*. COMAD'06: Proceedings of the 13th International Conference on Management of Data, pages 20–31, New Delhi, India, December 2006. Tata McGraw-Hill Publishing Company Limited, 2006. ISBN 0-07-063374-6. **(The Best Student Paper Award)**

Cited in:

- [Q101] Labath, P.: *XSLT Streamability Analysis with Recursive Schemas*. RCIS'12: Proceedings of the 6th International Conference on Research Challenges in Information Science, pages 1–6, Valencia, Spain, May 2012. IEEE Computer Society, Los Alamitos, CA, USA, 2012. ISBN 978-1-4577-1936-3. ISSN 2151-1349. **(SCOPUS)**
- [Q102] Krulis, M. – Yaghob, J.: *The Location Path to Hell Is Paved With Unoptimized Axes: XPath Implementation Tips*. NDT'10: Proceedings of the 2nd International Conference on Networked Digital Technologies, Prague, Czech Republic. Communications in Computer and Information Science, Volume 88, Part 9, pages 474–487. Springer, July 2010. ISBN 978-3-642-14306-9. ISSN 1865-0929. **(WoS) (SCOPUS)**
- [Q103] Perez, M. – Sanz, I. – Berlanga, R.: *XTaGe: a Flexible XML Collection Generator*. SIGMOD'10: Proceedings of the 2010 ACM SIGMOD International Conference on Management of Data, pages 1139–1142. ACM, New York, NY, USA. ISBN 978-1-4503-0032-2. **(SCOPUS)**
- [Q104] Loupal, P.: *XML-lambda: A Functional Framework for XML*. Doctoral Thesis, Czech Technical University, Prague, Czech Republic, 2010.
- [Q105] Krulis, M. – Yaghob, J.: *Efficient Implementation of XPath Processor on Multi-Core CPUs*. DATESO'10: Databases, Texts, Specifications, and Objects, Stedronin – Plazy, Czech Republic, 2010. CEUR WS, volume 567. ISSN 1613-0073. ISBN 978-80-7378-116-3. **(SCOPUS)**
- [Q106] Fonte, D. – Carvalho, P. – Cruz, D. – Gancarski, A. L. – Henriques, P. R.: *XML Archive for Testing: a benchmark for GuessXQ*, XATA'10: Proceedings of the 8th National Conference on XML, Associated Technologies and Applications, pages 128–137, May 2010, Vila do Conde, Portugal. ISBN 978-972-99166-9-4.
- [Q107] Fraigniaud, P. – Korman, A.: *Compact Ancestry Labeling Schemes for XML Trees*, SODA'10: Proceedings of the ACM-SIAM Symposium on Discrete Algorithms, pages 458–466, Austin, Texas. ACM 2010. ISBN 978-0-898716-98-6. **(WoS) (SCOPUS)**
- [Q108] Tekli, J. – Chbeir R. – Yetongnon, K.: *XML Document Comparison: Appendix*. Technical Report, LE2I Laboratory UMR-CNRS, University of Bourgogne. May 2010.
- [Q109] Perez, M. – Sanz, I. – Berlanga, R.: *XTaGe: A Flexible Generation System for Complex XML Collections*, DEXA'09: Proceedings of the 20th International Conference on Database and Expert Systems Applications, pages 53–67, Linz,

- Austria, September 2009. Springer-Verlag, Berlin / Heidelberg, 2009. ISBN 978-3-642-03572-2. **(WoS) (SCOPUS)**
- [Q110] Loupal, P.: *XML-lambda Type System and Data Model Revealed*. DATESO'09: Databases, Texts, Specifications, and Objects, Technical University of Ostrava, Ostrava, Czech Republic, 2009. CEUR WS, volume 471. ISSN 1613-0073. **(WoS) (SCOPUS)**
- [Q111] Dvorakova, J.: *Automatic Streaming Processing of XSLT Transformations Based on Tree Transducers*, Informatica: An International Journal of Computing and Informatics, Special Issue "Intelligent and Distributed Computing", Slovene Society Informatika, 2009. ISSN 1854-3871. **(WoS) (SCOPUS)**
- [Q112] Fletcher, G. H.L. – Van Gucht, D. – Wu, Y. – Gyssens, M. – Brenes, S. – Paredaens, J.: *A methodology for coupling fragments of XPath with structural indexes for XML documents*, Information Systems, pages 657–670, Elsevier 2009. ISSN 0306-4379. **(WoS) (SCOPUS)**
- [Q113] Dvorakova, J. – Zavoral, F.: *Using Input Buffers for Streaming XSLT Processing*, GlobeNet/DB'09: Proceedings of the 1st International Conference on Advances in Databases, pages 50–55, Gosier, Guadeloupe/France, March 2009. IEEE Computer Society, 2009. ISBN 978-0-7695-3550-0. **(WoS) (SCOPUS)**
- [Q114] Dvorakova, J. – Zavoral, F.: *A Low-Memory SSXT Algorithm for XSLT Transformations*, Journal of Information Assurance and Security, volume 3, pages 230–239, Dynamic Publishers Inc., Atlanta, GA, USA. ISSN 1554-1010.
- [Q115] Dokulil, J. – Yaghob, J. – Katreniakova, J.: *Everything You Ever Wanted to Learn from the Semantic Web but Were Unable to Ask*. ADVCOMP'08: Proceedings of the 2nd International Conference on Advanced Engineering Computing and Applications in Sciences, pages 21–26, October 2008. IEEE Computer Society, Los Alamitos, CA, USA, 2008. ISBN 978-0-7695-3369-8. **(SCOPUS)**
- [Q116] Nasser, M.: *Generating Nested XML Documents from Unnormalized Relational Views using a Statistically Approach*. ICCE'08: Proceedings of the International Conference on Computer and Communication Engineering, pages 843–848, Kuala Lumpur, Malaysia, May 2008. IEEE Computer Society, Los Alamitos, CA, USA, 2008. ISBN 978-1-4244-1691-2. **(WoS) (SCOPUS)**
- [Q117] Dvorakova, J.: *Towards Analyzing Space Complexity of Streaming XML Transformations*, RCIS'08 : Proceedings of the 2008 International Conference on Research Challenges in Information Science, pages 447–452, Marrakech, Morocco, June 2008. IEEE Computer Society, 2008. ISBN 978-1-4244-1677-6. **(WoS) (SCOPUS)**
- [Q118] Dvorakova, J. – Zavoral, F.: *BUXT Engine in Xord: Fragment Buffers for Streaming XSLT Transformations*, Innovations'08: Proceedings of the 5th International Conference on Innovations in Information Technology, pages 287–291, Al Ain, United Arab Emirates, December 2008. IEEE Computer Society, 2008. ISBN 978-1-4244-3397-1. **(WoS) (SCOPUS)**
- [Q119] Dvorakova, J. – Zavoral, F.: *Schema-Based Analysis of XSLT Streamability*. ADVCOMP'08: Proceedings of the 2nd International Conference on Advanced Engineering Computing and Applications in Sciences, pages 187–192, Valencia, Spain, October 2008. IEEE Computer Society, 2008. ISBN 978-0-7695-3369-8. **(SCOPUS)**
- [Q120] Dokulil, J. – Yaghob, J. – Katreniakova, J.: *Everything You Ever Wanted to Learn from the Semantic Web, but Were Unable to Ask*. ADVCOMP'08: Proceedings of the 2nd International Conference on Advanced Engineering Computing and Applications in Sciences, pages 21–26, Valencia, Spain, October 2008. IEEE Computer Society, 2008. ISBN 978-0-7695-3369-8. **(SCOPUS)**
- [Q121] Dvorakova, J. – Zavoral, F.: *Xord: An Implementation Framework for Efficient XSLT Processing*. IDC'08: Proceedings of the 2nd International Symposium on Intelligent Distributed Computing, pages 95–104, Catania, Italy, September 2008. Studies in Computational Intelligence Series, Springer-Verlag, Berlin, Germany, 2008. ISBN 978-3-540-85256-8. **(WoS) (SCOPUS)**

- [Q122] Bednarek, D.: *Output-Driven XQuery Evaluation*. IDC'08: Proceedings of the 2nd International Symposium on Intelligent Distributed Computing, pages 55–64, Catania, Italy, September 2008. Studies in Computational Intelligence Series, Springer-Verlag, Berlin, Germany, 2008. ISBN 978-3-540-85256-8. **(WoS)** **(SCOPUS)**
- [Q123] Dvorakova, J. – Zavoral, F.: *A Low-Memory Streaming Algorithm for XSLT Processing Implemented in Xord Framework*. ICADIWT'08: Proceedings of the 1st IEEE International Conference on the Applications of Digital Information and Web Technologies, pages 24–29, Ostrava, Czech Republic, August 2008. IEEE Computer Society, 2008. ISBN 978-1-4244-2623-2. **(WoS)** **(SCOPUS)**
- [Q124] Nasser, M. – Ibrahim, H. – Mamat A. – Sulaiman, M. N.: *Generating Free Redundancy XML Documents from Non Normalized Relational Views Using A Statistically Approach*. ICCTA'08: Proceedings of the 3rd International Conference on Information & Communication Technologies: from Theory to Applications, pages 1–7, Damascus, Syria, April 2008. IEEE Computer Society, 2008. ISBN 978-1-4244-1751-3. **(WoS)** **(SCOPUS)**
- [Q125] Nasser, M. – Ibrahim, H. – Mamat A. – Sulaiman, M. N.: *Generating Nested XML DTD from Non Normalized Relational Views*. International Journal of Computer Science and Network Security, Volume 7, Number 11, pages 204–209, November 2007. ISSN 1738-7906.
- [Q126] Dokulil, J. – Katreniakova, J.: *Storing and Visualization of Large Schemaless RDF Data*. SEMAPRO'07: Proceedings of the 1st International Conference on Advances in Semantic Processing, pages 243–248, Papeete, French Polynesia, November 2007. IEEE Computer Society, Los Alamitos, CA, USA, 2007. ISBN 0-7695-2993-3. **(SCOPUS)**

Mlynkova, I. – Pokorny, J.: *From XML Schema to Object-Relational Database – an XML Schema-Driven Mapping Algorithm*. ICWI'04: Proceedings of the 3rd IADIS International Conference WWW/Internet, pages 115–122, Madrid, Spain, October 2004. International Association for Development of the Information Society, 2004. ISBN 972-99353-0-0.

Cited in:

- [Q127] Kodama, T. – Seki, Y. – Kunii, T. L.: *Example of Business Applications Using the Numerical Value and Exponential Calculation of the Cellular Data System*. Transactions on Computational Science XVI, pages 115–133. Lecture Notes in Computer Science 7380, Springer, 2012. ISBN 978-3-642-32662-2. ISSN 0302-9743. **(SCOPUS)**
- [Q128] Kodama, T. – Kunii, T. L. – Seki, Y.: *An Example of Cloud Business Application Development Using the Continuous Quantity Identifier of the Cellular Data System*, Proceedings of the 2011 International Conference on Electric and Electronics, pages 135–144. Lecture Notes in Electrical Engineering 97, Springer, June 2011. ISBN 978-3-642-21697-8. **(SCOPUS)**
- [Q129] Botha, I.: *Managing XML Data to optimize Performance into Object-Relational Databases*, Database Systems Journal, volume 2, issue 2, pages 3–12, Bucharest Academy of Economic Studies Publishing House, 2011. ISSN 2069-3230.
- [Q130] Kodama, T. – Kunii, T. L. – Seki, Y.: *The Development of Core Logic for an Estimate System Using the Cellular Data System*. Proceedings of the 2011 International Conference on Cyberworlds, pages 211–216. IEEE Computer Society, Los Alamitos, CA, USA, 2011. ISBN 978-0-7695-4467-0. **(SCOPUS)**
- [Q131] Kodama, T. – Kunii, T. L. – Seki, Y.: *An Example of a Charge Calculation System Using the Numerical Value and Exponential Calculation of the Cellular Data System*. Proceedings of the 2011 International Conference on Cyberworlds, pages 31–37. IEEE Computer Society, Los Alamitos, CA, USA, 2011. ISBN 978-0-7695-4467-0. **(SCOPUS)**
- [Q132] Kasri, L. A. – Tasadduq, I. A.: *Model of Storage XML Database base on the Relational-Object Model*. International Journal of Engineering Science and

Technology (IJEST), volume 2, issue 11, pages 6646–6656, SIPS Technologies 2010. ISSN 0975-5462.

- [Q133] Tylkowski, M.: *Online XML Editor based on XML Schema*. Master thesis, Department of Computer Science, Bandenburg University of Technology, Germany, 2010.
- [Q134] Sumathipala, P. – Athauda, R. I. – Goonetillake, J.: *Utilizing Superclass/Subclass Relationship in Mapping XML Schema to ORDBs*. CIT'06: Proceedings of the 6th IEEE International Conference on Computer and Information Technology, pages 29–34, Seoul, Korea, 2006. IEEE Computer Society, Washington, DC, USA, 2006. ISBN 0-7695-2687-X. **(SCOPUS)**
- [Q135] Zhu, F. – Guan, J. – Zhou, J. – Zhou, S.: *Storing and Querying GML in Object-Relational Databases*. GIS'06: Proceedings of the 14th Annual ACM International Symposium on Advances in Geographic Information Systems, pages 107–114, Arlington, Virginia, USA, 2006. ACM Press, New York, NY, 2006. ISBN 1-59593-529-0. **(SCOPUS)**
- [Q136] Berbecaru, D. – Lioy, A.: *Preliminary Steps in Designing and Implementing a Privilege Verifier for PMI*. ICWI'04: Proceedings of the 3rd IADIS International Conference WWW/Internet, pages 317–324, Madrid, Spain, October 2004. International Association for Development of the Information Society, 2004. ISBN 972-99353-0-0.

Mlynkova, I. – Pokorny, J.: *XML in the World of (Object-)Relational Database Systems*. ISD'04: Proceedings of the 13th International Conference on Information Systems Development, pages 63–76, Vilnius, Lithuania, September 2004. Springer Science+Business Media, Inc., 2005. ISBN 978-0-387-25026-7. **(WoS)**

Cited in:

- [Q137] Bara, A. – Velicanu, A. – Botha, I. – Oprea, S.V.: *Solutions for the Data Level's Representation in a Decision Support System in Wind Power Plants*. MAMECTIS/NOLASC/CONTROL/WAMUS'11: Proceedings of the 2011 International Conference on Web Information Systems and mining, pages 259–264. World Scientific and Engineering Academy and Society, Stevens Point, Wisconsin, USA, 2011. ISBN 978-1-61804-011-4. **(SCOPUS)**
- [Q138] Botha, I.: *Managing XML Data to optimize Performance into Object-Relational Databases*, Database Systems Journal, volume 2, issue 2, pages 3–12, Bucharest Academy of Economic Studies Publishing House, 2011. ISSN 2069-3230.
- [Q139] Sang, L. – Xiao, J. – Cui, X.: *Converting XML Schema Data to Object-Relational Data with DOM*. WISM 11: Proceedings of the 2011 International Conference on Web Information Systems and mining, pages 452–460. Lecture Notes in Computer Science 6988, Springer, 2011. ISBN 978-3-642-23981-6. ISSN 0302-9743. **(WoS) (SCOPUS)**
- [Q140] Kasri, L. A. – Tasadduq, I. A.: *Model of Storage XML Database base on the Relational-Object Model*. International Journal of Engineering Science and Technology (IJEST), volume 2, issue 11, 2010. ISSN 0975-5462.
- [Q141] Castkova, Z. – Pokorny, J.: *Schema-less XML in Columns*. In Proc. Twentysecond Australasian Database Conference (ADC 2009), Perth, Australia. CRPIT, 115. Heng Tao Shen and Yanchun Zhang Eds., ACS. 17-26. ISSN 1445-1336. **(SCOPUS)**
- [Q142] Piwko, K. – Chmelar, P. – Hernych, R. – Kubicek, D.: *NAXD: Native XML Interface for a Relational Database*, In: XML Prague Conference Proceedings, Prague, CZ, UK, 2010, s. 307-316, ISBN 978-80-7378-115-6.
- [Q143] Suri, P. R. – Sardana, N.: *A Novel Method for Representing XML DOM Data*, IJCSNS International Journal of Computer Science and Network Security, volume 10, number 4, April 2010. ISSN 1738-7906.
- [Q144] Knoch, O. – Pokorny, J.: *XSLT Implementation in Relational Database Environment*. Informatics'08: Proceedings of the IADIS International Conference

- Informatics 2008, pages 91–98, Amsterdam, The Netherlands, July 2008. IADIS, 2008. ISBN 978-972-8924-63-8. **(SCOPUS)**
- [Q145] Feuerlicht, G. – Pokorny, J. – Richta, K. – Ruttananontsatean, N.: *Integration of Weakly Heterogeneous Semistructured Data*. ISD'08: Proceedings of the 17th International Conference on Information Systems Development, pages 69–78, Paphos, Cyprus, August 2008. Springer-Verlag, New York, NY, USA, 2009. ISBN 978-0-387-84810-5. **(WoS) (SCOPUS)**
- [Q146] Simanovsky, A.A.: *Data Schema Evolution Support in XML-Relational Database Systems*. Journal on Programming and Computer Software, volume 34, issue 1, pages 16–26, January 2008. Maik Nauka-Interperiodica Publishing, 2008. ISSN: 0361-7688. **(WoS) (SCOPUS)**
- [Q147] Pokorny, J. – Richta, K. – Valenta, M.: *CellStore: Educational and Experimental XML-Native DBMS*. ISD'07: Proceedings of the 16th International Conference on Information Systems Development, pages 389–400, Galway, Ireland, August 2007. Springer-Verlag, New York, NY, USA, 2009. ISBN 978-0-387-78578-3. **(WoS)**
- [Q148] Gao, J. – Chen, X.: *Store SVG Document in ORDBMS*, CSSE'08 : Proceedings of the 2008 International Conference on Computer Science and Software Engineering, pages 1208–1212, Wuhan, China, December 2008. IEEE Computer Society, 2008. ISBN 978-0-7695-3336-0. **(SCOPUS)**
- [Q149] Necasky, M.: *Conceptual Modeling for XML*. Doctoral thesis, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic, 2008.
- [Q150] Feuerlicht, G. – Pokorny, J. – Richta, K.: *Storing and Object-Relational Database Design: Can Your Application Benefit from SQL:2003?* ISD'07: Proceedings of the 16th International Conference on Information Systems Development, Galway, Ireland, August 2007. Springer-Verlag, New York, NY, USA, 2008. ISBN 978-0-387-78586-8. **(WoS)**
- [Q151] Necasky, M.: *Conceptual Model Based Normalization of XML Views*. DATESO'08: Databases, Texts, Specifications, and Objects, Technical University of Ostrava, Ostrava, Czech Republic, 2008. CEUR WS, volume 330. ISSN 1613-0073. **(WoS) (SCOPUS)**
- [Q152] Caliusco, M. L. – Maidana, C. – Patino, M. – Galli, M. R. – Chiotti, O.: *A UML Profile for XML Schema*. AISIS'05: Proceedings of the 2nd Argentine Symposium on Information Systems of JAIIO'05: 34th Jornadas Argentinas de Informatica e Investigacion Operativa, Rosario, Argentina, 2005. Sociedad Argentina de Informatica, 2005. ISSN 1666-1141.

Klimek, J. - Maly, J. - Mlynkova, I. - Necasky, M.: *eXolutio: Tool for XML Schema and Data Management*. DATESO '12: Databases, Texts, Specifications, and Objects, pages 68 - 80, Zernov, Rovensko pod Troskami, April 2012. MatfyzPress, 2012. CEUR Workshop Proceedings, Volume 837. ISBN 978-80-7378-171-2. ISSN 1613-0073. **(SCOPUS)**

Cited in:

- [Q153] Klimek, J. – Benda, S. – Necasky, M.: *Translation of Structural Constraints from Conceptual Model for XML to Schematron*. Journal of Universal Computer Science, volume 20, number 3, pages 277–301. J.UCS Consortium, 2014. ISSN 0948-6968. **(SCOPUS)**

Svoboda, M. – Starka, J. – Mlynkova, I.: *On Distributed Querying of Linked Data*. DATESO'12: Databases, Texts, Specifications, and Objects, pages 143–150, Zernov, Rovensko pod Troskami, April 2012. MatfyzPress, 2012. CEUR Workshop Proceedings, Volume 837. ISBN 978-80-7378-171-2. ISSN 1613-0073. **(SCOPUS)**

Cited in:

- [Q154] Knap, T. – Necasky, M. – Svoboda, M.: *A Framework for Storing and Providing Aggregated Governmental Linked Open Data*. EGOVIS/EDEM 2012: Joint International Conference on Electronic Government and the Information Systems

Perspective, and Electronic Democracy, pages 264–270, Vienna, Austria. Springer, 2012. ISBN 978-3-642-32700-1. **(SCOPUS)**

Necasky, M. – Mlynkova, I.: *Five-Level Multi-Application Schema Evolution*. DATESO'09: Databases, Texts, Specifications, and Objects, pages 90–104, Spindleruv Mlyn, Czech Republic, April 2009. MatfyzPress, 2009. CEUR Workshop Proceedings, Volume 471. ISBN 978-80-01-04323-3. ISSN 1613-0073. **(WoS)**

Cited in:

[Q155] Oliveira, R. – Geneves, P. – Layaida, N.: *Toward Automated Schema-Directed Code Revision*. DocEng'12: Proceedings of the 12th ACM symposium on Document Engineering, pages 103–106, Paris, France. ACM, New York, NY, USA, 2012. ISBN 978-1-4503-1116-8. **(SCOPUS)**

Mlynkova, I.: *XML Benchmarking: Limitations and Opportunities*. Technical report 2008/1. Charles University, Prague, Czech Republic, January 2008, 23 pages.

Cited in:

[Q156] Tan, V.-V. – Yoo, D.-S. – Yi, M.-J.: *Designing and Developing a Modern Distributed Data Acquisition and Monitoring System*. Journal of Research and Practice in Information Technology, volume 42, issue 4, pages 243–261. Australian Computer Society Inc., 2010. ISSN 1443-458X. **(WoS) (SCOPUS)**

[Q157] Yoo, D.-S. – Tan, V.-V. – Yi, M.-J.: *A Universal Data Access Server for Distributed Data Acquisition and Monitoring Systems*. ICIC'09: Proceedings of the 5th International Conference on Emerging intelligent computing technology and applications, pages 762–773. Springer-Verlag, Berlin, Heidelberg, 2009. ISBN 3-642-04069-1. **(WoS) (SCOPUS)**

[Q158] Chilingaryan, S.: *The XMLBench Project: Comparison of Fast, Multi-platform XML Libraries*. DASFAA'09: Proceedings of the 14th International Conference on Database Systems for Advanced Applications, pages 21–34. Lecture Notes In Computer Science, Vol. 5667. Springer-Verlag, Berlin, Heidelberg. ISBN 978-3-642-04204-1. **(WoS) (SCOPUS)**

Mlynkova, I. – Toman, K. – Pokorny, J.: *Statistical Analysis of Real XML Data Collections*. Technical report 2006/5. Charles University, Prague, Czech Republic, June 2006, 43 pages.

Cited in:

[Q159] Grijsenhout, S. – Marx, M.: *The Quality of the XML Web*. CIKM'11: Proceedings of the 20th ACM International Conference on Information and Knowledge Management, pages 1719–1724. ACM New York, NY, USA, 2011. ISBN 978-1-4503-0717-8. **(SCOPUS)**

Mlynkova, I. – Pokorny, J.: *XML in the World of (Object-) Relational Database Systems*. Technical report 2003/8. Charles University, Prague, Czech Republic, December 2003, 28 pages.

Cited in:

[Q160] Doller, M. – Kosch, H.: *The MPEG-7 Multimedia Database System (MPEG-7 MMDB)*, Journal of Systems and Software, Volume 81, Issue 9, September 2008, pages 1559–1580. Elsevier 2008. ISSN 0164-1212. **(WoS) (SCOPUS)**

[Q161] Doller, M.: *The MPEG-7 Multimedia Database System (MPEG-7 MMDB)*. Doctoral thesis, Fakultat für Wirtschaftswissenschaften und Informatik, Universität Klagenfurt, Klagenfurt, Germany, 2004.

[Q162] Pokorny, J.: *XML Databases*. Proceedings of the 14th Conference EurOpen'04, pages 144–157, Dolní Morava, Czech Republic, May 2004. ISBN 80-86583-07-4.

Toman, K. – Mlynkova, I.: *XML Data – The Current State of Affairs*. Proceedings of XML Prague'06 conference, pages 87–102, Prague, Czech Republic, June 2006.

Cited in:

[Q163] Dvorakova, J. – Zavoral, F.: *Using Input Buffers for Streaming XSLT Processing*, GlobeNet/DB'09: Proceedings of the 1st International Conference on Advances in Databases, Gosier, Guadeloupe/France, March 2009. IEEE Computer Society, 2009. ISBN 978-0-7695-3550-0. (**WoS**) (**SCOPUS**)

Mlynkova I.: *Overview and Possible Improvements of Techniques for Processing XML Documents in (O)RDBMS*. Proceedings of the 1st WorkShop XML Day'05, Ostrava, Czech Republic, February 2005.

Cited in:

[Q164] Nicolai, T. – Schafer, M. F. – Kirchhoff, L.: *Standing on the Shoulders of Giants: Digital Platform Designing with Native XPath Enabled Storage and Retrieval on MySQL*. ISTA'06: Proceedings of the 5th International Conference on Information Systems Technology and its Applications, pages 183–184, Klagenfurt, Austria, 2006. LNI series of the Gesellschaft für Informatik GI, volume 86, 2006. ISBN 3-88579-178-1.

Mlynkova, I.: *XML Schema*. Proceedings of the 14th Conference EurOpen'04, pages 122–143, Dolní Morava, Czech Republic, May 2004. ISBN 80-86583-07-4.

Cited in:

[Q165] Burian, P.: *Jazyky UML a BatchML pre projekty riadenia vsadzkových vyrob a odporucanie ANSI/ISA/IEC (2)*. AT&P journal 9/2006, Bratislava, Slovakia, 2006. (in Slovakian)

[Q166] Burian, P.: *Jazyky UML a BatchML pre projekty riadenia vsadzkových vyrob a odporucanie ANSI/ISA/IEC (1)*. AT&P journal 8/2006, Bratislava, Slovakia, 2006. (in Slovakian)

[Q167] Richta, K.: *Languages XQuery and XPath*. Moderni databaze 2006, pages 19–29, Praha, Czech Republic. Komix 2006. ISBN 80-239-7109-3. (in Czech)