

# Stavros Christodoulakis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9472634/publications.pdf>

Version: 2024-02-01

83  
papers

1,835  
citations

430754

18  
h-index

345118

36  
g-index

89  
all docs

89  
docs citations

89  
times ranked

652  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Performative Framework and Case Study for Technology-Enhanced Learning Communities. Informatics and Automation, 2021, 20, 905-939.  | 0.6 | 1         |
| 2  | Design, Implementation and Evaluation of a Computer Science Teacher Training Programme for Learning and Teaching of Python Inside and Outside School. Advances in Intelligent Systems and Computing, 2018, , 575-586. | 0.5 | 4         |
| 3  | ViSTPro: Spatiotemporal processes visualization in engineering education and crisis training. , 2017, , .   |     | 2         |
| 4  | ViSTPro: A platform for visualization of spatiotemporal processes on Google Earth. , 2016, , .  |     | 0         |
| 5  | The SPARQL2XQuery interoperability framework. World Wide Web, 2015, 18, 403-490.  | 2.7 | 19        |
| 6  | Data management research at the technical university of crete. SIGMOD Record, 2014, 42, 61-66.  | 0.7 | 1         |
| 7  | A crowdsourcing framework for the management of mobile multimedia nature observations. International Journal of Pervasive Computing and Communications, 2014, 10, 216-238.  | 1.1 | 0         |
| 8  | COLearn and open discovery space portal alignment: A case of enriching open learning infrastructures with collaborative learning capabilities. , 2014, , .  |     | 8         |
| 9  | Metadata management, interoperability and Linked Data publishing support for Natural History Museums. International Journal on Digital Libraries, 2014, 14, 127-140.  | 1.1 | 8         |
| 10 | Octopus: A collaborative environment supporting the development of effective instructional design. , 2013, , .  |     | 3         |
| 11 | CoLearn: Real time collaborative learning environment. , 2013, , .  |     | 4         |
| 12 | The XML and Semantic Web Worlds: Technologies, Interoperability and Integration: A Survey of the State of the Art. Studies in Computational Intelligence, 2013, , 319-360.  | 0.7 | 20        |
| 13 | MoM-NOCS. , 2013, , .   |     | 3         |
| 14 | Contextual Geospatial Picture Understanding, Management and Visualization. , 2013, , .  |     | 1         |
| 15 | Federating Natural History Museums in Natural Europe. Communications in Computer and Information Science, 2013, , 361-372.  | 0.4 | 4         |
| 16 | SPARQL-RW. , 2012, , .  |     | 29        |
| 17 | Metadata Management and Sharing in Multimedia Open Learning Environment (MOLE). Communications in Computer and Information Science, 2011, , 275-286.  | 0.4 | 8         |
| 18 | Mobile Multimedia Event Capturing and Visualization (MOME). , 2011, , .   |     | 5         |

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|----|---|-----|-----------|
| 19 | EVISUGE: Event Visualization on Google Earth. , 2011, , .   |     | 3         |
| 20 | Bringing Environmental Culture Content into the Europeana.eu Portal: The Natural Europe Digital Libraries Federation Infrastructure. Communications in Computer and Information Science, 2011, , 400-411. | 0.4 | 4         |
| 21 | Mapping MPEG-7 to CIDOC/CRM. Lecture Notes in Computer Science, 2011, , 40-51.  | 1.0 | 5         |
| 22 | SPARQL2XQuery 2.0: Supporting Semantic-based queries over XML data. , 2010, , .   |     | 8         |
| 23 | Picture Context Capturing for Mobile Databases. IEEE MultiMedia, 2010, 17, 34-41.   | 1.5 | 13        |
| 24 | Ontology Mapping and SPARQL Rewriting for Querying Federated RDF Data Sources. Lecture Notes in Computer Science, 2010, , 1108-1117.  | 1.0 | 21        |
| 25 | Personalised spatial knowledge management for pictures using ontologies and semantic maps. International Journal of Digital Culture and Electronic Tourism, 2009, 1, 346.                                 | 0.1 | 1         |
| 26 | Querying XML Data with SPARQL. Lecture Notes in Computer Science, 2009, , 372-381.  | 1.0 | 15        |
| 27 | Semantic Based Access over XML Data. Lecture Notes in Computer Science, 2009, , 259-267.  | 1.0 | 8         |
| 28 | Towards a Mediator Based on OWL and SPARQL. Lecture Notes in Computer Science, 2009, , 326-335.   | 1.0 | 13        |
| 29 | A Model for Mobile Multimedia Capturing. Lecture Notes in Computer Science, 2009, , 386-394.  | 1.0 | 0         |
| 30 | Semantic maps and mobile context capturing for picture content visualization and management of picture databases. , 2008, , .   |     | 4         |
| 31 | Rich metadata and context capturing through CIDOC/CRM and MPEG-7 interoperability. , 2008, , .  |     | 9         |
| 32 | Multimedia Content Description Using Semantic Web Languages. , 2008, , 17-54.   |     | 7         |
| 33 | Spatial Information Retrieval from Images Using Ontologies and Semantic Maps. Lecture Notes in Computer Science, 2008, , 549-556.   | 1.0 | 0         |
| 34 | A Pedagogy-driven Personalization Framework to Support Adaptive Learning Experiences. , 2007, , .   |     | 8         |
| 35 | Interoperability Support between MPEG-7/21 and OWL in DS-MIRF. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 219-232.  | 4.0 | 44        |
| 36 | The OntoNL Semantic Relatedness Measure for OWL ontologies. , 2007, , .   |     | 3         |

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|----|--|-----|-----------|
| 37 | Interoperability of XML Schema Applications with OWL Domain Knowledge and Semantic Web Tools. , 2007, , 850-869.   |     | 15        |
| 38 | A Knowledge Management Platform for Supporting Digital Business Ecosystems based on P2P and SOA technologies. , 2007, , .  |     | 9         |
| 39 | The MPEG-7 query format: a new standard in progress for multimedia query by content. , 2007, , .   |     | 12        |
| 40 | Semantic Processing of Natural Language Queries in the OntoNL Framework. , 2007, , .   |     | 4         |
| 41 | Exploiting Cultural Heritage Documentation in Semantic Multimedia Annotations. , 2007, , .   |     | 2         |
| 42 | SSLE: A Language and an Interactive Editor for the Semantic Description of Services in MOF Architectures. , 2007, , .  |     | 0         |
| 43 | Querying MOF Repositories: The Design and Implementation of the Query Metamodel Language (QML). , 2007, , .  |     | 4         |
| 44 | An MPEG-7 query language and a user preference model that allow semantic retrieval and filtering of multimedia content. Multimedia Systems, 2007, 13, 131-153.   | 3.0 | 11        |
| 45 | XS2OWL: A Formal Model and a System for Enabling XML Schema Applications to Interoperate with OWL-DL Domain Knowledge and Semantic Web Tools. , 2007, , 124-136. |     | 12        |
| 46 | The OntoNL Framework for Natural Language Interface Generation and a Domain-Specific Application. , 2007, , 228-237.   |     | 9         |
| 47 | A Pedagogy-Driven Personalization Framework to Support Automatic Construction of Adaptive Learning Experiences. , 2007, , 55-65.                                 |     | 6         |
| 48 | Integrated Authoring, Annotation, Retrieval, Adaptation, Personalization, and Delivery for Multimedia. Lecture Notes in Computer Science, 2007, , 87-103.        | 1.0 | 1         |
| 49 | Semantic Processing of Natural Language Queries in the OntoNL Framework. , 2007, , .   |     | 0         |
| 50 | Exploiting Cultural Heritage Documentation in Semantic Multimedia Annotations. , 2007, , .   |     | 0         |
| 51 | A User Preference Model and a Query Language that allow Semantic Retrieval and Filtering of Multimedia Content. , 2006, , .                                      |     | 12        |
| 52 | Multimedia contents and management. International Journal on Digital Libraries, 2006, 6, 1-2.  | 1.1 | 1         |
| 53 | A natural language model for managing TV-Anytime information in mobile environments. Personal and Ubiquitous Computing, 2005, 9, 262-272.                        | 1.9 | 18        |
| 54 | Ontology-Based Semantic Indexing for MPEG-7 and TV-Anytime Audiovisual Content. Multimedia Tools and Applications, 2005, 26, 299-325.                            | 2.6 | 52        |

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|----|--|------|-----------|
| 55 | Integration of OWL Ontologies in MPEG-7 and TV-Anytime Compliant Semantic Indexing. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2004, , 398-413.                      | 0.2  | 45        |
| 56 | Interoperability Support for Ontology-Based Video Retrieval Applications. Lecture Notes in Computer Science, 2004, , 582-591.  | 1.0  | 43        |
| 57 | An Ontology-Driven Framework for the Management of Semantic Metadata Describing Audiovisual Information. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2003, , 340-356. | 0.2  | 26        |
| 58 | A comprehensive analytical performance model for disk devices under random workloads. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 140-155.                              | 4.0  | 16        |
| 59 | Optimal data placement on disks: a comprehensive solution for different technologies. IEEE Transactions on Knowledge and Data Engineering, 2000, 12, 324-330.                              | 4.0  | 12        |
| 60 | Database design principles for placement of delay-sensitive data on disks. IEEE Transactions on Knowledge and Data Engineering, 1999, 11, 425-447.   | 4.0  | 1         |
| 61 | Data base design principles for striping and placement of delay-sensitive data on disks. , 1998, , .   |      | 3         |
| 62 | Research and development issues for large-scale multimedia information systems. ACM Computing Surveys, 1995, 27, 576-579.  | 16.1 | 17        |
| 63 | Optimal histograms for limiting worst-case error propagation in the size of join results. ACM Transactions on Database Systems, 1993, 18, 709-748.   | 1.5  | 83        |
| 64 | HIFI: hypertext interface for information: multimedia and relational databases. Electronic Library, 1993, 11, 65-71.   | 0.8  | 4         |
| 65 | Principles of delay-sensitive multimedia data storage retrieval. ACM Transactions on Information Systems, 1992, 10, 51-90.   | 3.8  | 194       |
| 66 | File organizations with shared overflow blocks for variable length objects. Information Systems, 1992, 17, 491-509.  | 2.4  | 0         |
| 67 | Optimal placement of high-probability randomly retrieved blocks on CLV optical discs. ACM Transactions on Information Systems, 1991, 9, 1-30.  | 3.8  | 10        |
| 68 | On the propagation of errors in the size of join results. , 1991, , .  |      | 147       |
| 69 | Retrieval performance versus disc space utilization on WORM optical discs. SIGMOD Record, 1989, 18, 306-314.   | 0.7  | 2         |
| 70 | Retrieval performance versus disc space utilization on WORM optical discs. , 1989, , .   |      | 5         |
| 71 | Performance analysis and fundamental performance tradeoffs for CLV optical disks. , 1988, , .  |      | 8         |
| 72 | Performance analysis and fundamental performance tradeoffs for CLV optical disks. SIGMOD Record, 1988, 17, 286-294.  | 0.7  | 9         |

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|----|---|-----|-----------|
| 73 | Description and performance analysis of signature file methods for office filing. ACM Transactions on Information Systems, 1987, 5, 237-257.        | 3.8 | 88        |
| 74 | Analysis of retrieval performance for records and objects using optical disk technology. ACM Transactions on Database Systems, 1987, 12, 137-169.   | 1.5 | 29        |
| 75 | Optimal signature extraction and information loss. ACM Transactions on Database Systems, 1987, 12, 395-428.   | 1.5 | 25        |
| 76 | Issues in the Design of a Distributed Testbed for Multimedia Information Systems (MINOS). Journal of Management Information Systems, 1987, 4, 8-33. | 2.1 | 2         |
| 77 | Design and Performance Considerations for an Optical Disk-Based, Multimedia Object Server. Computer, 1986, 19, 45-56.                               | 1.2 | 36        |
| 78 | Signature files. ACM Transactions on Information Systems, 1984, 2, 267-288.   | 3.8 | 253       |
| 79 | Estimating block selectivities. Information Systems, 1984, 9, 69-79.  | 2.4 | 28        |
| 80 | Design Considerations for a Message File Server. IEEE Transactions on Software Engineering, 1984, SE-10, 201-210.                                   | 4.3 | 84        |
| 81 | Estimating record selectivities. Information Systems, 1983, 8, 105-115.   | 2.4 | 87        |
| 82 | Message files. ACM Transactions on Information Systems, 1983, 1, 88-98.   | 3.8 | 56        |
| 83 | Estimating block transfers and join sizes. , 1983, , .  |     | 56        |