

# Paul Johannesson

## List of Publications by Year in descending order

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101  
papers

1,351  
citations

567281

15  
h-index

477307

29  
g-index

118  
all docs

118  
docs citations

118  
times ranked

749  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | An Introduction to Design Science. , 2014, , .  |     | 193       |
| 2  | Combining BPM and social software: contradiction or chance?. Journal of Software: Evolution and Process, 2010, 22, 449-476.                                   | 1.1 | 89        |
| 3  | Towards a Reference Ontology for Business Models. Lecture Notes in Computer Science, 2006, , 482-496.   | 1.3 | 78        |
| 4  | Towards Security on Internet of Things: Applications and Challenges in Technology. Procedia Computer Science, 2018, 141, 199-206.                             | 2.0 | 72        |
| 5  | Design principles for process modelling in enterprise application integration. Information Systems, 2001, 26, 165-184.  | 3.6 | 69        |
| 6  | Aligning goals and services through goal and business modelling. Information Systems and E-Business Management, 2009, 7, 143-169.                             | 3.7 | 51        |
| 7  | On the Notion of Value Object. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2006, , 321-335.  | 0.3 | 43        |
| 8  | Value-Based Service Modeling and Design: Toward a Unified View of Services. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 410-424. | 0.3 | 42        |
| 9  | Towards a formal definition of goal-oriented business process patterns. Business Process Management Journal, 2005, 11, 650-662.                               | 4.2 | 35        |
| 10 | A Declarative Foundation of Process Models. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2005, , 233-247.                                 | 0.3 | 32        |
| 11 | Is the Public Motivated to Engage in Open Data Innovation?. Lecture Notes in Computer Science, 2014, , 277-288.   | 1.3 | 30        |
| 12 | Representation and communication – A speech act based approach to information systems design. Information Systems, 1995, 20, 291-303.                         | 3.6 | 29        |
| 13 | Contests as innovation intermediaries in open data markets. Information Polity, 2014, 19, 247-262.  | 0.8 | 27        |
| 14 | Anchor modeling – Agile information modeling in evolving data environments. Data and Knowledge Engineering, 2010, 69, 1229-1253.                              | 3.4 | 26        |
| 15 | Strategic Analysis Using Value Modeling–The c3-Value Approach. , 2007, , .  |     | 24        |
| 16 | A fractal enterprise model and its application for business development. Software and Systems Modeling, 2017, 16, 663-689.                                    | 2.7 | 22        |
| 17 | Design Science Research as Movement Between Individual and Generic Situation-Problem–Solution Spaces. , 2013, , 35-61.  |     | 22        |
| 18 | Semantic similarity relations and computation in schema integration. Data and Knowledge Engineering, 1996, 19, 65-97.   | 3.4 | 18        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Dynamic Weaving in Aspect Oriented Business Process Management. Lecture Notes in Computer Science, 2013, , 2-20.   | 1.3 | 18        |
| 20 | Institutional ontology for Conceptual Modeling. Journal of Information Technology, 2018, 33, 105-123.  | 3.9 | 16        |
| 21 | The Role of Business Models in Enterprise Modelling. , 2007, , 123-140.  |     | 16        |
| 22 | Schema standardization as an aid in view integration. Information Systems, 1994, 19, 275-290.  | 3.6 | 14        |
| 23 | Requirements for a Business Process Model Repository: A Stakeholdersâ€™ Perspective. Lecture Notes in Business Information Processing, 2010, , 158-170.      | 1.0 | 14        |
| 24 | Value and Goal Driven Design of E-Services. , 2007, , .  |     | 13        |
| 25 | An artifact ontology for design science research. Data and Knowledge Engineering, 2021, 133, 101878.   | 3.4 | 13        |
| 26 | Value object analysis and the transformation from value model to process model. , 2007, , 55-65.   |     | 13        |
| 27 | An Approach for E-Service Design using Enterprise Models. International Journal of Information System Modeling and Design, 2011, 2, 1-23.                    | 1.1 | 12        |
| 28 | Prioritizing Business Processes Improvement Initiatives: The Seco Tools Case. Lecture Notes in Computer Science, 2014, , 256-270.                            | 1.3 | 12        |
| 29 | Supporting schema integration by linguistic instruments. Data and Knowledge Engineering, 1997, 21, 165-182.  | 3.4 | 11        |
| 30 | A contextâ€¢based process semantic annotation model for a process model repository. Business Process Management Journal, 2013, 19, 404-430.                  | 4.2 | 11        |
| 31 | Multi-perspective Business Process Monitoring. Lecture Notes in Business Information Processing, 2013, , 199-213.  | 1.0 | 11        |
| 32 | Collaborative process patterns for e-Business. ACM SIGGROUP Bulletin, 2001, 22, 21-28.   | 0.4 | 11        |
| 33 | Resource Analysis and Classification for Purpose Driven Value Model Design. International Journal of Information System Modeling and Design, 2010, 1, 56-78. | 1.1 | 11        |
| 34 | Using conceptual graph theory to support schema integration. , 1993, , 283-296.  |     | 10        |
| 35 | In Search of the Holy Grail: Integrating Social Software with BPM Experience Report. Lecture Notes in Business Information Processing, 2010, , 1-13.         | 1.0 | 10        |
| 36 | Semantic similarity relations in schema integration. Lecture Notes in Computer Science, 1992, , 97-120.  | 1.3 | 9         |

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|----|--|-----|-----------|
| 37 | Trust in Internet of Things: An architecture for the future IoT network. , 2018, , .   |     | 9         |
| 38 | The case for classes and instances - a response to representing instances: the case for reengineering conceptual modelling grammars. European Journal of Information Systems, 2019, 28, 681-693. | 9.2 | 9         |
| 39 | Enterprise Modelling for Value Based Service Analysis. Lecture Notes in Business Information Processing, 2008, , 153-167.  | 1.0 | 9         |
| 40 | Abstraction, Restriction, and Co-creation: Three Perspectives on Services. Lecture Notes in Computer Science, 2010, , 107-116.   | 1.3 | 9         |
| 41 | A Pattern and Dependency Based Approach to the Design of Process Models. Lecture Notes in Computer Science, 2004, , 724-739.   | 1.3 | 8         |
| 42 | On the Alignment of Business Models and Process Models. Lecture Notes in Business Information Processing, 2009, , 68-79.   | 1.0 | 8         |
| 43 | Fog Computing for Trust in the Internet of Things (IoT): A Systematic Literature Review. , 2020, , .   |     | 8         |
| 44 | IMSC-ElIoT: Identity Management and Secure Communication for Edge IoT Devices. Sensors, 2020, 20, 6546.  | 3.8 | 8         |
| 45 | Business Contract Obligation Monitoring through Use of Multi Tier Contract Ontology. Lecture Notes in Computer Science, 2003, , 690-702.   | 1.3 | 8         |
| 46 | The deontic pattern “a framework for domain analysis in information systems design. Data and Knowledge Engineering, 1999, 31, 135-153.   | 3.4 | 7         |
| 47 | A Business Process Metadata Model for a Process Model Repository. Lecture Notes in Business Information Processing, 2010, , 287-300.   | 1.0 | 7         |
| 48 | Do Workflow-Based Systems Satisfy the Demands of the Agile Enterprise of the Future?. Lecture Notes in Business Information Processing, 2013, , 59-64.   | 1.0 | 7         |
| 49 | Supporting aspect orientation in business process management. Software and Systems Modeling, 2017, 16, 903-925.  | 2.7 | 7         |
| 50 | Management Services “A Framework for Design. Lecture Notes in Computer Science, 2011, , 582-596.   | 1.3 | 6         |
| 51 | Towards a Sociomaterial Ontology. Lecture Notes in Computer Science, 2013, , 341-348.  | 1.3 | 6         |
| 52 | Applying a Template for Best Practice Documentation. Procedia Computer Science, 2015, 72, 252-260.   | 2.0 | 5         |
| 53 | Towards a Model of Services Based on Co-creation, Abstraction and Restriction. Lecture Notes in Computer Science, 2011, , 476-485.   | 1.3 | 5         |
| 54 | A Survey of Process Model Reuse Repositories. Communications in Computer and Information Science, 2012, , 64-76.   | 0.5 | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Using Empirical Knowledge and Studies in the Frame of Design Science Research. Lecture Notes in Computer Science, 2013, , 463-470.   | 1.3 | 5         |
| 56 | Reconciling Physical, Communicative, and Social/Institutional Domains in Agent Oriented Information Systems – A Unified Framework. Lecture Notes in Computer Science, 2003, , 180-194.                         | 1.3 | 4         |
| 57 | Accounting for service value - An ontological approach. , 2015, , .  |     | 4         |
| 58 | Layered Architecture for End-To-End Security, Trust, and Privacy for the Internet of Things. Lecture Notes in Networks and Systems, 2021, , 289-298.   | 0.7 | 4         |
| 59 | Explaining conceptual models – An architecture and design principles. Lecture Notes in Computer Science, 1997, , 215-228.  | 1.3 | 4         |
| 60 | Closing the User-Centric Service Coordination Cycle by Means of Coordination Services. Lecture Notes in Business Information Processing, 2011, , 267-282.  | 1.0 | 4         |
| 61 | Experiences of Using Different Communication Styles in Business Process Support Systems with the Shared Spaces Architecture. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2011, , 299-313. | 0.3 | 4         |
| 62 | Elicitation of Requirements for a Business Process Model Repository. Lecture Notes in Business Information Processing, 2009, , 44-55.  | 1.0 | 4         |
| 63 | From first-order logic to automated word generation for Lyee. Knowledge-Based Systems, 2003, 16, 413-429.  | 7.1 | 3         |
| 64 | A framework for determining design correctness. Knowledge-Based Systems, 2004, 17, 249-262.  | 7.1 | 3         |
| 65 | Value and Goal Driven Design of E-Services. , 2007, , .  |     | 3         |
| 66 | Open Digital Innovation. Progress in IS, 2017, , .   | 0.6 | 3         |
| 67 | Resource, Process, and Use – Views on Service Modeling. Lecture Notes in Computer Science, 2012, , 23-33.  | 1.3 | 3         |
| 68 | Introducing the Common Non-Functional Ontology. , 2007, , 633-645.   |     | 3         |
| 69 | Modelling agent communication in a first order logic. Information and Organization, 1998, 8, 5-22.   | 1.5 | 2         |
| 70 | Enhancing Data Privacy in the Internet of Things (IoT) Using Edge Computing. Communications in Computer and Information Science, 2020, , 231-243.  | 0.5 | 2         |
| 71 | An Empirical Assessment of the Effect of Context-Based Semantic Annotation on Process Model Discovery. Lecture Notes in Business Information Processing, 2012, , 366-382.                                      | 1.0 | 2         |
| 72 | Identity Management in Internet of Things: A Software-Defined Networking Approach. Lecture Notes in Electrical Engineering, 2020, , 495-504.   | 0.4 | 2         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Just Finished a Cycle of a Design Science Research Project: What's Next?. Complex Systems Informatics and Modeling Quarterly, 2020, , 60-86.  | 0.9  | 2         |
| 74 | The coordination hub: Toward patient-centered and collaborative care processes. Health Informatics Journal, 2015, 21, 284-305.  | 2.1  | 1         |
| 75 | Value Encounter Modeling's Formalization and Application. Service Science, 2018, 10, 181-194.   | 1.3  | 1         |
| 76 | Template-driven Best Practice Documentation. Knowledge Management Research and Practice, 2020, 18, 348-365.   | 4.1  | 1         |
| 77 | Dynamic and Decentralized Trust Management for the Internet of Things (IoT) Paradigm. Advances in Intelligent Systems and Computing, 2021, , 1017-1026.   | 0.6  | 1         |
| 78 | An Ontology of IS Design Science Research Artefacts. Lecture Notes in Business Information Processing, 2020, , 129-144.   | 1.0  | 1         |
| 79 | Structured Shared Spaces as a Basis for Building Business Process Support Systems: A Generic Model and Analysis of Examples. Complex Systems Informatics and Modeling Quarterly, 2018, , 36-60. | 0.9  | 1         |
| 80 | Rights and Intentions in Value Modeling. , 2010, , 195-213.   |      | 1         |
| 81 | VALUE DRIVEN KPI DESIGN FOR HEALTH CARE. , 2010, , .  |      | 1         |
| 82 | Towards a Model of Services Based on Cocreation, Abstraction and Rights Distribution. Texts and Monographs in Symbolic Computation, 2015, , 29-44.  | 0.4  | 1         |
| 83 | An Ontological Analysis of the Notion of Treatment. Lecture Notes in Computer Science, 2020, , 303-314.   | 1.3  | 1         |
| 84 | Design Solutions for Interoperability Using a Process Manager. , 2006, , 397-408.   |      | 1         |
| 85 | dfgcompare: a library to support process variant analysis through Markov models. BMC Medical Informatics and Decision Making, 2021, 21, 356.  | 3.0  | 1         |
| 86 | Evaluation of a Classification System for Best Practices. , 2015, , .   |      | 0         |
| 87 | Guest editors's introduction: Value modeling and business ontologies. Applied Ontology, 2015, 10, 5-6.  | 2.0  | 0         |
| 88 | Special issue on conceptual modeling " 34th International Conference on Conceptual Modeling (ER) Tj ETQq0 0 0 rgBT /Overlock 10 T   | 3.45 | 0         |
| 89 | Process Patterns to Generate E-commerce Systems. Lecture Notes in Computer Science, 2002, , 417-431.  | 1.3  | 0         |
| 90 | Modelling Institutional, Communicative and Physical Domains in Agent Oriented Information Systems. Lecture Notes in Computer Science, 2004, , 189-205.  | 1.3  | 0         |

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|-----|---|-----|-----------|
| 91  | An Approach for E-Service Design Using Enterprise Models. , 2013, , 245-268.                                  |     | 0         |
| 92  | Set Contest Goals. Progress in IS, 2017, , 29-35.   | 0.6 | 0         |
| 93  | Evaluate Contest Contributions. Progress in IS, 2017, , 89-99.  | 0.6 | 0         |
| 94  | Design Contest. Progress in IS, 2017, , 49-63.  | 0.6 | 0         |
| 95  | Develop Contest Platform. Progress in IS, 2017, , 65-72.  | 0.6 | 0         |
| 96  | Monitor Contest. Progress in IS, 2017, , 123-133.   | 0.6 | 0         |
| 97  | Develop Strategy. Progress in IS, 2017, , 101-107.  | 0.6 | 0         |
| 98  | Manage Contest Operations. Progress in IS, 2017, , 79-87.   | 0.6 | 0         |
| 99  | Engage Contest Stakeholders. Progress in IS, 2017, , 37-47.   | 0.6 | 0         |
| 100 | Creating Worlds with Words: Ontology-guided Conceptual Modeling for Institutional Domains. , 2017, , 169-184. |     | 0         |
| 101 | Motivate Developers. Progress in IS, 2017, , 73-78.   | 0.6 | 0         |