Michael Schrefl

List of Publications by Year
in descending order

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101	1,230	623734	501196
papers	citations	14 h-index	28 g-index

111	111	111	493
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extending object-oriented systems with roles. ACM Transactions on Information Systems, 1996, 14, 268-296.	4.9	205
2	Behavior-consistent specialization of object life cycles. ACM Transactions on Software Engineering and Methodology, 2002, 11, 92-148.	6.0	96
3	Active data warehouses: complementing OLAP with analysis rules. Data and Knowledge Engineering, 2001, 39, 241-269.	3.4	82
4	Using an object-oriented approach to model multimedia data. Computer Communications, 1990, 13, 204-216.	5.1	44
5	Object/behavior diagrams. , 0, , .		41
6	Analysis of business process integration in Web service context. Future Generation Computer Systems, 2007, 23, 283-294.	7.5	39
7	Object class definition by generalization using upward inheritance. , 1988, , .		38
8	View integration of behavior in object-oriented databases. Data and Knowledge Engineering, 2001, 36, 153-183.	3.4	33
9	Building an active semantic data warehouse for precision dairy farming. Journal of Organizational Computing and Electronic Commerce, 2018, 28, 122-141.	1.8	28
10	Behavior Consistent Inheritance in UML. Lecture Notes in Computer Science, 2000, , 527-542.	1.3	25
11	Dual deep modeling: multi-level modeling with dual potencies and its formalization in F-Logic. Software and Systems Modeling, 2018, 17, 233-268.	2.7	21
12	USING AN OBJECT-ORIENTED DIAGRAM TECHNIQUE FOR THE DESIGN OF INFORMATION SYSTEMS. , 1991, , 121-164.		21
13	A conceptual framework for large-scale ecosystem interoperability and industrial product lifecycles. Data and Knowledge Engineering, 2017, 109, 85-111.	3.4	20
14	From Federated Databases to a Federated Data Warehouse System. , 2008, , .		19
15	Dual Deep Instantiation and Its ConceptBase Implementation. Lecture Notes in Computer Science, 2014, , 503-517.	1.3	18
16	Realizing active data warehouses with off-the-shelf database technology. Software - Practice and Experience, 2002, 32, 1193-1222.	3.6	16
17	Requester-centered composition of business processes from internal and external services. Data and Knowledge Engineering, 2005, 52, 121-155.	3.4	16
18	Active object-oriented database design using active object/behavior diagrams. , 0, , .		14

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19	Towards ontology-based OLAP. , 2012, , .		14
20	Modelling Knowledge about Data Analysis Processes in Manufacturing. IFAC-PapersOnLine, 2015, 48, 277-282.	0.9	14
21	Modeling business rules with situation/activation diagrams. , 0, , .		13
22	Reference Modeling for Data Analysis: The BIRD Approach. International Journal of Cooperative Information Systems, 2016, 25, 1650006.	0.8	13
23	VizDSL: A Visual DSL for Interactive Information Visualization. Lecture Notes in Computer Science, 2018, , 440-455.	1.3	13
24	Comparison-criteria for semantic data models. , 1984, , .		12
25	Behavior Based Integration of Composite Business Processes. Lecture Notes in Computer Science, 2005, , 186-204.	1.3	12
26	Workflow transparency. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 1997, , 423-436.	0.3	12
27	Behavior consistent extension of object life cycles. Lecture Notes in Computer Science, 1995, , 133-145.	1.3	11
28	Title is missing!. World Wide Web, 2000, 3, 125-138.	4.0	10
29	Integration of Web services into workflows through a multi-level schema architecture. , 0, , .		10
30	Goal-focused self-modifying workflow in the healthcare domain. , 2004, , .		10
31	Self-maintaining web pages: from theory to practice. Data and Knowledge Engineering, 2004, 48, 39-73.	3.4	10
32	Ontology-Driven Business Intelligence for Comparative Data Analysis. Lecture Notes in Business Information Processing, 2014, , 77-120.	1.0	10
33	Semantic enrichment of DNOTAMs to reduce information overload in pilot briefings. , 2016, , .		10
34	Semantic data containers for realizing the full potential of system wide information management. , 2017, , .		10
35	A Conceptual Framework for Large-scale Ecosystem Interoperability. Lecture Notes in Computer Science, 2015, , 287-301.	1.3	10
36	SemCrypt - Ensuring Privacy of Electronic Documents Through Semantic-Based Encrypted Query Processing. , 2005, , .		8

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37	Using a model-driven, knowledge-based approach to cope with complexity in filtering of notices to airmen. , 2016, , .		8
38	Translating XQuery into XSLT. Lecture Notes in Computer Science, 2002, , 239-252.	1.3	8
39	Modeling object behavior: To use methods or rules or both?. Lecture Notes in Computer Science, 1996, , 584-602.	1.3	7
40	Knowledge Graph OLAP. Semantic Web, 2021, 12, 649-683.	1.9	7
41	Semantic Enrichment of OLAP Cubes: Multi-dimensional Ontologies and Their Representation in SQL and OWL. Lecture Notes in Computer Science, 2013, , 624-641.	1.3	7
42	Observation consistent integration of views of object life-cycles. Lecture Notes in Computer Science, 1998, , 32-48.	1.3	6
43	Using roles in Java. Software - Practice and Experience, 2004, 34, 449-464.	3.6	6
44	Customization of Domain-Specific Reference Models for Data Warehouses. , 2014, , .		6
45	Change Propagation and Conflict Resolution for the Co-Evolution of Business Processes. International Journal of Cooperative Information Systems, 2015, 24, 1540002.	0.8	6
46	Inheritance of Object Behavior â€" Consistent Extension of Object Life Cycles. Workshops in Computing, 1995, , 289-300.	0.4	6
47	OLAP Patterns: A pattern-based approach to multidimensional data analysis. Data and Knowledge Engineering, 2022, 138, 101948.	3.4	6
48	Self-maintaining web pages. Information Systems, 2003, 28, 1005-1036.	3.6	5
49	FedDW global schema architect. , 2012, , .		5
50	Ontology-based data description and discovery in a SWIM environment. , 2017, , .		5
51	Bitemporal Complex Event Processing of Web Event Advertisements. Lecture Notes in Computer Science, 2013, , 333-346.	1.3	5
52	Situation diagrams. Lecture Notes in Computer Science, 1996, , 400-421.	1.3	4
53	Towards an accommodation of delay in temporal active databases. , 0, , .		4
54	Design for service compatibility. Software and Systems Modeling, 2013, 12, 489-515.	2.7	4

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55	Modeling Context for Business Rule Management. , 2016, , .		4
56	Using superimposed multidimensional schemas and OLAP patterns for RDF data analysis. Open Computer Science, 2018, 8, 18-37.	1.7	4
57	Predicting Flight Delay Risk Using a Random Forest Classifier Based on Air Traffic Scenarios and Environmental Conditions. , 2020, , .		4
58	Behavior-Consistent Composition of Business Processes from Internal and External Services. Lecture Notes in Computer Science, 2003, , 378-389.	1.3	4
59	Selective inheritance of attribute values in relational databases. Discrete Applied Mathematics, 1992, 40, 187-216.	0.9	3
60	Self-maintaining Web pages-an overview. , 0, , .		3
61	Exploiting Process Patterns and Process Instances to Support Adaptability of Dynamic Business Processes. , 2014, , .		3
62	Multilevel Modeling for Business Process Automation. , 2015, , .		3
63	Consistent Abstraction of Business Processes Based on Constraints. Journal on Data Semantics, 2015, 4, 59-78.	2.0	3
64	Semantics-based summarisation of ATM information. Aeronautical Journal, 2019, 123, 1639-1665.	1.6	3
65	Multi-dimensional Navigation Modeling Using BI Analysis Graphs. Lecture Notes in Computer Science, 2012, , 162-171.	1.3	3
66	A Comparative Analysis of View Integration Methodologies. Informatik-Fachberichte, 1987, , 119-136.	0.2	3
67	Active XML Schemas. Lecture Notes in Computer Science, 2002, , 363-376.	1.3	3
68	Classification of Business Process Correspondences and Associated Integration Operators. Lecture Notes in Computer Science, 2004, , 653-666.	1.3	3
69	Modeling collaborative behavior using cooperation contracts. Data and Knowledge Engineering, 1998, 26, 191-224.	3.4	2
70	Coordination of inter-organisational healthcare processes via specialisation of Internet-based object life cycles. , 0, , .		2
71	A model-driven framework for runtime adaptation of web service compositions. , 2011, , .		2
72	Incremental integration of data warehouses. , 2011, , .		2

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73	Multilevel business process modeling. , 2012, , .		2
74	Modification Operations for Context-Aware Business Rule Management. , 2017, , .		2
75	Active and Real-Time Data Warehousing. , 2009, , 28-28.		2
76	Model Driven Orchestration: Design for Service Compatibility. Lecture Notes in Computer Science, 2010, , 17-31.	1.3	2
77	Semantic OLAP Patterns: Elements of Reusable Business Analytics. Lecture Notes in Computer Science, 2017, , 318-336.	1.3	2
78	On the formal properties of transitive inheritance in databases. Information Sciences, 1992, 66, 63-90.	6.9	1
79	P <scp>ea</scp> CE-Ful Web Event Extraction and Processing as Bitemporal Mutable Events. ACM Transactions on the Web, 2016, 10, 1-47.	2.5	1
80	PESTEL Modeler: Strategy Analysis Using MetaEdit+, iStar 2.0, and Semantic Technologies. , 2018, , .		1
81	Temporally Faithful Execution of Business Transactions. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2000, , 462-481.	0.3	1
82	Active, Real-Time, and Intellective Data Warehousing. , 2018, , 41-50.		1
83	A Reference Process for Judging Reliability of Classification Results in Predictive Analytics. , 2021, , .		1
84	Achieving logical data independence in hypermedia databases. , 0, , .		0
85	Trasformers-by-example. , 2004, , .		0
86	Navigation consistency in web site families. , 2009, , .		0
87	VerschlÃ¼sselung bei ausgelagerter Datenhaltung. Hmd, 2011, 48, 35-43.	0.3	0
88	An OLAP Client for Hetero-Homogeneous Data Warehouses. , 2015, , .		0
89	Design, Management, and Customization of Data Analysis Reference Models Using Indyco Builder and Xquery. , 2016, , .		0
90	Using VizDSL for Modelling Visualization Processes. , 2018, , .		0

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91	A Reference Process for Judging Reliability of Classification Results in Predictive Analytics. , 2021, , .		0
92	Einsatz semantischer Technologien fÃ¼r die Informationsbereitstellung in der Flugsicherung. , 2021, , 65-86.		0
93	Staticâ€“Dynamic Integration of External Services into Generic Business Processes. Lecture Notes in Computer Science, 2004, , 263-277.	1.3	0
94	Federated Data Warehouses. , 2010, , 82-107.		0
95	Towards Databases for Knowledge Representation. Topics in Information Systems, 1989, , 241-257.	0.5	0
96	Exploiting Semantic Activity Labels to Facilitate Consistent Specialization of Abstract Process Activities. Lecture Notes in Computer Science, 2015, , 475-485.	1.3	0
97	Level-Aware Ecosystem Transformations forÂIndustrial Lifecycle Interoperability. Lecture Notes in Computer Science, 2017, , 173-181.	1.3	0
98	Active, Real-Time, and Intellective Data Warehousing. , 2018, , 1-10.		0
99	Rule Module Inheritance with Modification Restrictions. Lecture Notes in Computer Science, 2018, , 404-422.	1.3	0
100	Towards Multi-level Modeling of Just-in-Time Adaptive Interventions (JITAIs) in Mobile Health. , 2021, , .		0
101	Domain object hierarchies inducing multi-level models. Software and Systems Modeling, 2022, 21, 587-621.	2.7	0