

# Robert Pergl

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42 papers	223 citations	7 h-index	13 g-index
44 ext. papers	305 ext. citations	1 avg, IF	3.36 L-index

#	Paper	IF	Citations
42	FAIR Principles: Interpretations and Implementation Considerations. <i>Data Intelligence</i> , <b>2020</b> , 2, 10-29	3	66
41	Comparing traditional conceptual modeling with ontology-driven conceptual modeling: An empirical study. <i>Information Systems</i> , <b>2019</b> , 81, 92-103	2.7	32
40	Data Management Planning: How Requirements and Solutions are Beginning to Converge. <i>Data Intelligence</i> , <b>2020</b> , 2, 208-219	3	12
39	Converting DEMO PSI Transaction Pattern into BPMN: A Complete Method. <i>Lecture Notes in Business Information Processing</i> , <b>2017</b> , 85-98	0.6	10
38	Data Stewardship Wizard – A Tool Bringing Together Researchers, Data Stewards, and Data Experts around Data Management Planning. <i>Data Science Journal</i> , <b>2019</b> , 18,	2	8
37	Towards OntoUML for Software Engineering: From Domain Ontology to Implementation Model. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 249-263	0.9	8
36	Enterprise Operational Analysis Using DEMO and the Enterprise Operating System. <i>Lecture Notes in Business Information Processing</i> , <b>2015</b> , 3-18	0.6	7
35	Towards the Ontological Foundations for the Software Executable DEMO Action and Fact Models. <i>Lecture Notes in Business Information Processing</i> , <b>2016</b> , 151-165	0.6	6
34	Helping the Consumers and Producers of Standards, Repositories and Policies to Enable FAIR Data. <i>Data Intelligence</i> , <b>2020</b> , 2, 151-157	3	6
33	OpenCASE – A Tool for Ontology-Centred Conceptual Modelling. <i>Lecture Notes in Business Information Processing</i> , <b>2012</b> , 511-518	0.6	6
32	Towards OntoUML for Software Engineering: Introduction to The Transformation of OntoUML into Relational Databases. <i>Lecture Notes in Business Information Processing</i> , <b>2016</b> , 67-83	0.6	5
31	Towards OntoUML for Software Engineering: Transformation of Rigid Sortal Types into Relational Databases		5
30	The OpenPonk modeling platform <b>2016</b> ,		5
29	Supporting Enterprise IS Modelling Using Ontological Analysis. <i>Lecture Notes in Business Information Processing</i> , <b>2011</b> , 130-144	0.6	4
28	BORM-points: Introduction and Results of Practical Testing. <i>Lecture Notes in Business Information Processing</i> , <b>2009</b> , 590-599	0.6	4
27	Das Contract - A Visual Domain Specific Language for Modeling Blockchain Smart Contracts. <i>Lecture Notes in Business Information Processing</i> , <b>2020</b> , 149-166	0.6	4
26	FAIR Convergence Matrix: Optimizing the Reuse of Existing FAIR-Related Resources. <i>Data Intelligence</i> , <b>2020</b> , 2, 158-170	3	4

25	Empirical Study of Applying the DEMO Method for Improving BPMN Process Models in Academic Environment <b>2015</b> ,		3
24	Reusable FAIR Implementation Profiles as Accelerators of FAIR Convergence. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 138-147	0.9	3
23	A DEMO Machine - A Formal Foundation for Execution of DEMO Models. <i>Lecture Notes in Business Information Processing</i> , <b>2017</b> , 18-32	0.6	3
22	Towards OntoUML for Software Engineering: Transformation of Anti-rigid Sortal Types into Relational Databases. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 1-15	0.9	3
21	Towards ontoUML for software engineering: Transformation of kinds and subkinds into relational databases. <i>Computer Science and Information Systems</i> , <b>2017</b> , 14, 913-937	0.8	3
20	Bi-directional Transformation between Normalized Systems Elements and Domain Ontologies in OWL <b>2020</b> ,		2
19	Revisiting the BORM OR Diagram Composition Pattern. <i>Lecture Notes in Business Information Processing</i> , <b>2015</b> , 102-113	0.6	2
18	Tackling the Flexibility-Usability Trade-off in Component-Based Software Development. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 861-871	0.4	2
17	The Prefix Machine [a Formal Foundation for the BORM OR Diagrams Validation and Simulation. <i>Lecture Notes in Business Information Processing</i> , <b>2014</b> , 113-131	0.6	2
16	Exploring a Role of Blockchain Smart Contracts in Enterprise Engineering. <i>Lecture Notes in Business Information Processing</i> , <b>2019</b> , 113-127	0.6	2
15	Laying the Foundation for Design System Ontology. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 778-787	0.4	1
14	Towards OntoUML for Software Engineering: Optimizing Kinds and Subkinds Transformed into Relational Databases. <i>Lecture Notes in Business Information Processing</i> , <b>2018</b> , 31-45	0.6	1
13	Proposing Ontology-Driven Content Modularization in Documents Based on the Normalized Systems Theory. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 45-54	0.4	1
12	Instance-Level Modelling and Simulation Revisited. <i>Lecture Notes in Business Information Processing</i> , <b>2013</b> , 85-100	0.6	1
11	Case-Study-Based Review of Approaches for Transforming UML Class Diagrams to OWL and Vice Versa <b>2020</b> ,		1
10	Towards Evolvable Ontology-Driven Development with Normalized Systems. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 208-231	0.3	1
9	Mapping UFO-B to BPMN, BORM, and UML Activity Diagram. <i>Lecture Notes in Business Information Processing</i> , <b>2019</b> , 82-98	0.6	
8	BORM-II and UML as Accessibility Process in Knowledge and Business Modelling. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 1-6	0.2	

- 7     Analysing Functional Paradigm Concepts. *Advances in Intelligent Systems and Computing*, **2017**, 882-891     0.4
- 6     Modelling and Prototyping of Business Applications Based on Multilevel Domain-Specific Language. *Lecture Notes in Business Information Processing*, **2011**, 173-191     0.6
- 5     Object-Oriented FSM-Based Approach to Process Modelling. *Advances in Intelligent Systems and Computing*, **2014**, 597-606     0.4
- 4     Empirical Comparison of Model Consistency Between Ontology-Driven Conceptual Modeling and Traditional Conceptual Modeling. *Lecture Notes in Computer Science*, **2018**, 43-57     0.9
- 3     User Interface Modelling Languages for Normalised Systems: Systematic Literature Review. *Lecture Notes in Networks and Systems*, **2022**, 349-358     0.5
- 2     Expanding Normalized Systems from textual domain descriptions using TEMOS. *Journal of Intelligent Information Systems*, **2022**, 1-14     2.1
- 1     Improving Document Evolvability Based on Normalized Systems Theory. *Lecture Notes in Networks and Systems*, **2022**, 131-140     0.5