Marlon Dumas

List of Publications by Citations

275 papers	11,608 citations	46 h-index	103 g-index
289 ext. papers	13,491 ext. citations	1.6 avg, IF	6.66 L-index

#	Paper	IF	Citations
275	QoS-aware middleware for Web services composition. *IEEE Transactions on Software Engineering*, **2004**, 30, 311-327	3.5	1755
274	Quality driven web services composition **2003**,		599
273	Fundamentals of Business Process Management **2013**,		561
272	**2005**,		430
271	Semantics and analysis of business process models in BPMN. *Information and Software Technology*, **2008**, 50, 1281-1294	3.4	416
270	Similarity of business process models: Metrics and evaluation. *Information Systems*, **2011**, 36, 498-516	2.7	372
269	Process Mining Manifesto. *Lecture Notes in Business Information Processing*, **2012**, 169-194	0.6	347
268	Fundamentals of Business Process Management **2018**,		326
267	The Self-Serv environment for Web services composition. *IEEE Internet Computing*, **2003**, 7, 40-48	2.4	305
266	Blockchains for Business Process Management - Challenges and Opportunities. *ACM Transactions on Management Information Systems*, **2018**, 9, 1-16	2	246
265	Formal semantics and analysis of control flow in WS-BPEL. *Science of Computer Programming*, **2007**, 67, 162-198	1.1	183
264	Graph Matching Algorithms for Business Process Model Similarity Search. *Lecture Notes in Computer Science*, **2009**, 48-63	0.9	169
263	Predictive Business Process Monitoring with LSTM Neural Networks. *Lecture Notes in Computer Science*, **2017**, 477-492	0.9	167
262	Service Interaction Patterns. *Lecture Notes in Computer Science*, **2005**, 302-318	0.9	145
261	APROMORE: An advanced process model repository. *Expert Systems With Applications*, **2011**, 38, 7029-7040	3.8	138
260	The Rise of Web Service Ecosystems. *IT Professional*, **2006**, 8, 31-37	1.9	136
259	Automated Discovery of Process Models from Event Logs: Review and Benchmark. *IEEE Transactions on Knowledge and Data Engineering*, **2019**, 31, 686-705	4.2	128

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256	Predictive Monitoring of Business Processes. *Lecture Notes in Computer Science*, **2014**, 457-472	0.9	114
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254	Deadline-based escalation in process-aware information systems. *Decision Support Systems*, **2007**, 43, 492-511	5.6	109
253	SERVICE-ORIENTED DESIGN: A MULTI-VIEWPOINT APPROACH. *International Journal of Cooperative Information Systems*, **2004**, 13, 337-368	0.6	105
252	Questionnaire-based variability modeling for system configuration. *Software and Systems Modeling*, **2009**, 8, 251-274	1.9	101
251	Analysis of Web Services Composition Languages: The Case of BPEL4WS. *Lecture Notes in Computer Science*, **2003**, 200-215	0.9	96
250	Business Process Model Merging. *ACM Transactions on Software Engineering and Methodology*, **2013**, 22, 1-42	3.3	95
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248	Structuring acyclic process models. *Information Systems*, **2012**, 37, 518-538	2.7	83
247	Optimized Execution of Business Processes on Blockchain. *Lecture Notes in Computer Science*, **2017**, 130-146	0.9	81
246	Facilitating the Rapid Development and Scalable Orchestration of Composite Web Services. *Distributed and Parallel Databases*, **2005**, 17, 5-37	0.9	81
245	Preserving correctness during business process model configuration. *Formal Aspects of Computing*, **2010**, 22, 459-482	1.2	78
244	Pattern-Based Translation of BPMN Process Models to BPEL Web Services. *International Journal of Web Services Research*, **2008**, 5, 42-62	0.8	78
243	From BPMN Process Models to BPEL Web Services **2006**,		75
242	Design and Implementation of the YAWL System. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **2004**, 142-159	0.3	72
241	Adapt or Perish: Algebra and Visual Notation for Service Interface Adaptation. *Lecture Notes in Computer Science*, **2006**, 65-80	0.9	72

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237	Achieving Performance and Availability Guarantees with Spot Instances **2011**,		62
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234	Learning Accurate LSTM Models of Business Processes. *Lecture Notes in Computer Science*, **2019**, 286-302	0.9	58
233	Aligning Business Process Models **2009**,		55
232	Merging Business Process Models. *Lecture Notes in Computer Science*, **2010**, 96-113	0.9	53
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230	Beyond Control-Flow: Extending Business Process Configuration to Roles and Objects. *Lecture Notes in Computer Science*, **2008**, 199-215	0.9	48
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224	Discovering Data-Aware Declarative Process Models from Event Logs. *Lecture Notes in Computer Science*, **2013**, 81-96	0.9	43
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221	Caterpillar: A business process execution engine on the Ethereum blockchain. *Software - Practice and Experience*, **2019**, 49, 1162	2.5	41
220	WofBPEL: A Tool for Automated Analysis of BPEL Processes. *Lecture Notes in Computer Science*, **2005**, 484-489	0.9	40
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140	Discovering process maps from event streams **2018**,		12
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