Christian Huemer

List of Publications by Year
in descending order

78	582	1040056 9	996975 15
papers	citations	h-index	g-index

82	82	82	315
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards Living Inter-organizational Processes. , 2013, , .		30
2	UML @ Classroom. Undergraduate Topics in Computer Science, 2015, , .	0.2	26
3	Transforming UMM Business Collaboration Models to BPEL. Lecture Notes in Computer Science, 2004, , 507-519.	1.3	26
4	Choreography of ebXML business collaborations. Information Systems and E-Business Management, 2006, 4, 221-243.	3.7	23
5	Inter-organizational success factors: a cause and effect model. Information Systems and E-Business Management, 2015, 13, 553-593.	3.7	23
6	Flexible Production Systems: Automated Generation of Operations Plans Based on ISA-95 and PDDL. IEEE Robotics and Automation Letters, 2019, 4, 4062-4069.	5.1	23
7	The Web Services-BusinessActivity-Initiator (WS-BA-I) Protocol: an Extension to the Web Services-BusinessActivity Specification. , 2007, , .		21
8	Inter-organizational systems: From business values over business processes to deployment. , 2008, , .		19
9	Leveraging Iterative Plan Refinement for Reactive Smart Manufacturing Systems. IEEE Transactions on Automation Science and Engineering, 2021, 18, 230-243.	5.2	19
10	Deriving executable BPEL from UMM Business Transactions. , 2007, , .		16
11	Production Planning with IEC 62264 and PDDL. , 2019, , .		16
12	A Model-Driven Top-Down Approach to Inter-organizational Systems: From Global Choreography Models to Executable BPEL. Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS), International Workshop on, 2008, , .	0.0	15
13	Analyzing inter-organizational business processes. Information Systems and E-Business Management, 2016, 14, 577-612.	3.7	15
14	Entwining plant engineering data and ERP information: Vertical integration with AutomationML and ISA-95. , 2017, , .		15
15	The development process of the UN/CEFACT modeling methodology. , 2008, , .		14
16	From an ebXML BPSS choreography to a BPEL-based implementation. , 2004, 5, 1-11.		14
17	Data Analytics for Industrial Process Improvement A Vision Paper. , 2018, , .		12
18	REA-DSL: Business Model Driven Data-Engineering. , 2012, , .		10

#	Article	IF	Citations
19	From Business Functions to Control Functions: Transforming REA to ISA-95. , 2015, , .		10
20	A view on model-driven vertical integration: Alignment of production facility models and business models. , 2017, , .		10
21	Modeling Business Collaborations in Context. Lecture Notes in Computer Science, 2003, , 829-844.	1.3	9
22	Business collaboration models and their Business Contextâ€dependent Web Choreography in BPSS. International Journal of Web Information Systems, 2005, 1, 33-42.	2.4	8
23	HoVer: A modeling framework for horizontal and vertical integration. , 2015, , .		8
24	An adaptive system-of-systems approach for resilient manufacturing. Elektrotechnik Und Informationstechnik, 2021, 138, 341-348.	1.1	8
25	Business context sensitive business documents: Business context aware core components modeling using the E-UCM model. , 2013, , .		7
26	A Survey on Business Context. Advances in Intelligent Systems and Computing, 2014, , 199-211.	0.6	7
27	Aligning Business Services with Production Services: The Case of REA and ISA-95. , 2017, , .		7
28	A UML Profile for Core Components and their Transformation to XSD. , 2007, , .		6
29	A State Machine executing UMM Business Transactions. , 2007, , .		6
30	A 3-level e-Business Registry Meta Model. , 2008, , .		6
31	Size Matters!? Measuring the Complexity of XML Schema Mapping Models. , 2010, , .		6
32	A Composable, QoS-Aware and Web Services-Based Execution Model for ebXML BPSS Business Transactions. , 2010, , .		6
33	Replacing traditional classroom lectures with lecture videos. , 2012, , .		6
34	Model-Driven Retail Information System Based on REA Business Ontology and Retail-H. , 2015, , .		6
35	B2B Integration â€" Aligning ebXML and Ontology Approaches. Lecture Notes in Computer Science, 2002, , 339-349.	1.3	6
36	**DIR** -XML2 - unambiguous access to XML-based business documents in B2B e-commerce. , 2001, , .		5

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37	A registry model for UN/CEFACT's core components. , 2009, , .		5
38	Towards a Global Business Document Reference Ontology. , 2009, , .		5
39	[vem:xi:] - A Methodology for Process Based Requirements Engineering. , 2009, , .		5
40	Registry support for core component evolution. , 2010, , .		5
41	The Case for the Web of Needs. , 2014, , .		5
42	AutomationML, ISA-95 and Others: Rendezvous in the OPC UA Universe. , 2018, , .		5
43	OCL-Constraints for UMM Business Collaborations. Lecture Notes in Computer Science, 2004, , 174-185.	1.3	5
44	Neural network technology to support view integration. Lecture Notes in Computer Science, 1995, , 181-190.	1.3	4
45	B2B Services: Worksheet-Driven Development of Modeling Artifacts and Code. Computer Journal, 2009, 52, 1006-1026.	2.4	4
46	Verifiability and Traceability in a Linked Data Based Messaging System. , 2016, , .		4
47	A Graphical Toolkit for IEC 62264-2. Procedia CIRP, 2020, 93, 532-537.	1.9	4
48	Context Aware Business Documents Modeling. Lecture Notes in Computer Science, 2013, , 357-363.	1.3	4
49	Automatic classification of semantic concepts in view specifications. Lecture Notes in Computer Science, 1996, , 824-833.	1.3	3
50	A Business Collaboration Registry Model on Top of ebRIM. , 2006, , .		3
51	Contextualizing Business Documents. , 2013, , .		3
52	A Framework for Inter-Organizational Performance Analysis from EDI Messages. , 2014, , .		3
53	Applying business context to calculate subsets of business document standards. Information Technology and Management, 2016, 17, 203-227.	2.4	3
54	A Variability Information Model for OPC UA. , 2018, , .		3

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55	Registering a Business Collaboration Model in Multiple Business Environments. Lecture Notes in Computer Science, 2005, , 408-420.	1.3	3
56	Modeling Interorganizational Business Processes. , 2010, , 543-564.		3
57	Worksheet-Driven UMM Modeling of B2B Services. , 2007, , .		2
58	Feature modeling for business document models. , 2011, , .		2
59	Analysis, Transformation, and Improvements of ebXML Choreographies Based on Workflow Patterns. Lecture Notes in Computer Science, 2004, , 66-84.	1.3	2
60	Extending the REA-DSL by the Planning Layer of the REA Ontology. Lecture Notes in Business Information Processing, 2012, , 543-554.	1.0	2
61	Profitability Analysis of Workflow Management Systems. , 2009, , .		1
62	A Bottom-Up Approach to Build XML Business Document Standards. , 2010, , .		1
63	Business Document Transformation Using Core Components and XSLT. , 2011, , .		1
64	Registry support for core component-based business document models. Service Oriented Computing and Applications, 2011, 5, 183-202.	1.6	1
65	REA-XML: An Unambiguous Language for REA Business Models. , 2011, , .		1
66	Validation of business document types based on feature models. , 2012, , .		1
67	Interoperability and Integration in Future Production Systems. , 2018, , .		1
68	Modeling Variability and Persisting Configurations in OPC UA. Procedia CIRP, 2019, 81, 13-18.	1.9	1
69	Rahmenwerk zur modellbasierten horizontalen und vertikalen Integration von Standards fÃ¼r Industrie 4.0. , 2015, , 1-22.		1
70	Modeling Business Entity State Centric Choreographies. , 2007, , .		0
71	Business document interoperability as a service. , 2011, , .		0
72	Towards variability management in business document types using product line engineering. , 2011, , .		0

#	Article	IF	Citations
73	ERPEL: Enabling Seamless Ad Hoc Cross Enterprise Collaborations. , 2012, , .		0
74	Putting Services in Context (Short Paper). , 2013, , .		0
75	Defining Business Rules for REA Business Models. , 2014, , .		0
76	Evolution patterns for business document models. , 2011, , .		0
77	Inter-organizational Reference Models â€“ May Inter-organizational Systems Profit from Reference Modeling?. Lecture Notes in Computer Science, 2012, , 32-47.	1.3	0
78	Rahmenwerk zur modellbasierten horizontalen und vertikalen Integration von Standards fÃ¼r Industrie 4.0. , 2017, , 433-454.		0