Christian Huemer

List of Publications by Year
in descending order

78 papers	582 citations	1040056 9 h-index	996975 15 g-index
82 all docs	82 docs citations	82 times ranked	315 citing authors

#	Article	IF	Citations
1	Leveraging Iterative Plan Refinement for Reactive Smart Manufacturing Systems. IEEE Transactions on Automation Science and Engineering, 2021, 18, 230-243.	5.2	19
2	An adaptive system-of-systems approach for resilient manufacturing. Elektrotechnik Und Informationstechnik, 2021, 138, 341-348.	1.1	8
3	A Graphical Toolkit for IEC 62264-2. Procedia CIRP, 2020, 93, 532-537.	1.9	4
4	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
5	Modeling Variability and Persisting Configurations in OPC UA. Procedia CIRP, 2019, 81, 13-18.	1.9	1
6	Production Planning with IEC 62264 and PDDL. , 2019, , .		16
7	A Variability Information Model for OPC UA. , 2018, , .		3
8	AutomationML, ISA-95 and Others: Rendezvous in the OPC UA Universe. , 2018, , .		5
9	Data Analytics for Industrial Process Improvement A Vision Paper. , 2018, , .		12
10	Interoperability and Integration in Future Production Systems. , 2018, , .		1
11	Entwining plant engineering data and ERP information: Vertical integration with AutomationML and ISA-95. , 2017, , .		15
12	A view on model-driven vertical integration: Alignment of production facility models and business models. , 2017, , .		10
13	Aligning Business Services with Production Services: The Case of REA and ISA-95. , 2017, , .		7
14	Rahmenwerk zur modellbasierten horizontalen und vertikalen Integration von Standards für Industrie 4.0. , 2017, , 433-454.		0
15	Verifiability and Traceability in a Linked Data Based Messaging System. , 2016, , .		4
16	Analyzing inter-organizational business processes. Information Systems and E-Business Management, 2016, 14, 577-612.	3.7	15
17	Applying business context to calculate subsets of business document standards. Information Technology and Management, 2016, 17, 203-227.	2.4	3
18	From Business Functions to Control Functions: Transforming REA to ISA-95. , 2015, , .		10

#	Article	IF	Citations
19	HoVer: A modeling framework for horizontal and vertical integration. , 2015, , .		8
20	Model-Driven Retail Information System Based on REA Business Ontology and Retail-H. , 2015, , .		6
21	UML @ Classroom. Undergraduate Topics in Computer Science, 2015, , .	0.2	26
22	Inter-organizational success factors: a cause and effect model. Information Systems and E-Business Management, 2015, 13, 553-593.	3.7	23
23	Rahmenwerk zur modellbasierten horizontalen und vertikalen Integration von Standards für Industrie 4.0. , 2015, , 1-22.		1
24	A Framework for Inter-Organizational Performance Analysis from EDI Messages. , 2014, , .		3
25	The Case for the Web of Needs. , 2014, , .		5
26	Defining Business Rules for REA Business Models. , 2014, , .		0
27	A Survey on Business Context. Advances in Intelligent Systems and Computing, 2014, , 199-211.	0.6	7
28	Contextualizing Business Documents. , 2013, , .		3
29	Business context sensitive business documents: Business context aware core components modeling using the E-UCM model. , 2013, , .		7
30	Towards Living Inter-organizational Processes. , 2013, , .		30
31	Putting Services in Context (Short Paper). , 2013, , .		0
32	Context Aware Business Documents Modeling. Lecture Notes in Computer Science, 2013, , 357-363.	1.3	4
33	Replacing traditional classroom lectures with lecture videos. , 2012, , .		6
34	Validation of business document types based on feature models. , 2012, , .		1
35	REA-DSL: Business Model Driven Data-Engineering. , 2012, , .		10
36	ERPEL: Enabling Seamless Ad Hoc Cross Enterprise Collaborations. , 2012, , .		0

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37	Inter-organizational Reference Models â€" May Inter-organizational Systems Profit from Reference Modeling?. Lecture Notes in Computer Science, 2012, , 32-47.	1.3	0
38	Extending the REA-DSL by the Planning Layer of the REA Ontology. Lecture Notes in Business Information Processing, 2012, , 543-554.	1.0	2
39	Business document interoperability as a service. , 2011, , .		0
40	Business Document Transformation Using Core Components and XSLT. , 2011, , .		1
41	Registry support for core component-based business document models. Service Oriented Computing and Applications, 2011, 5, 183-202.	1.6	1
42	Towards variability management in business document types using product line engineering. , 2011, , .		0
43	Feature modeling for business document models. , 2011, , .		2
44	REA-XML: An Unambiguous Language for REA Business Models. , 2011, , .		1
45	Evolution patterns for business document models. , 2011, , .		0
46	A Bottom-Up Approach to Build XML Business Document Standards. , 2010, , .		1
47	Registry support for core component evolution. , 2010, , .		5
48	Size Matters!? Measuring the Complexity of XML Schema Mapping Models. , 2010, , .		6
49	A Composable, QoS-Aware and Web Services-Based Execution Model for ebXML BPSS Business Transactions. , 2010, , .		6
50	Modeling Interorganizational Business Processes. , 2010, , 543-564.		3
51	B2B Services: Worksheet-Driven Development of Modeling Artifacts and Code. Computer Journal, 2009, 52, 1006-1026.	2.4	4
52	A registry model for UN/CEFACT's core components. , 2009, , .		5
53	Towards a Global Business Document Reference Ontology. , 2009, , .		5
54	[vem:xi:] - A Methodology for Process Based Requirements Engineering. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
55	Profitability Analysis of Workflow Management Systems. , 2009, , .		1
56	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
57	Inter-organizational systems: From business values over business processes to deployment. , 2008, , .		19
58	The development process of the UN/CEFACT modeling methodology. , 2008, , .		14
59	A 3-level e-Business Registry Meta Model. , 2008, , .		6
60	The Web Services-BusinessActivity-Initiator (WS-BA-I) Protocol: an Extension to the Web Services-BusinessActivity Specification. , 2007, , .		21
61	A UML Profile for Core Components and their Transformation to XSD. , 2007, , .		6
62	A State Machine executing UMM Business Transactions. , 2007, , .		6
63	Worksheet-Driven UMM Modeling of B2B Services. , 2007, , .		2
64	Deriving executable BPEL from UMM Business Transactions. , 2007, , .		16
65	Modeling Business Entity State Centric Choreographies. , 2007, , .		0
66	Choreography of ebXML business collaborations. Information Systems and E-Business Management, 2006, 4, 221-243.	3.7	23
67	A Business Collaboration Registry Model on Top of ebRIM. , 2006, , .		3
68	Business collaboration models and their Business Context–dependent Web Choreography in BPSS. International Journal of Web Information Systems, 2005, 1, 33-42.	2.4	8
69	Registering a Business Collaboration Model in Multiple Business Environments. Lecture Notes in Computer Science, 2005, , 408-420.	1.3	3
70	OCL-Constraints for UMM Business Collaborations. Lecture Notes in Computer Science, 2004, , 174-185.	1.3	5
71	Analysis, Transformation, and Improvements of ebXML Choreographies Based on Workflow Patterns. Lecture Notes in Computer Science, 2004, , 66-84.	1.3	2
72	Transforming UMM Business Collaboration Models to BPEL. Lecture Notes in Computer Science, 2004, , 507-519.	1.3	26

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73	From an ebXML BPSS choreography to a BPEL-based implementation. , 2004, 5, 1-11.		14
74	Modeling Business Collaborations in Context. Lecture Notes in Computer Science, 2003, , 829-844.	1.3	9
75	B2B Integration â€" Aligning ebXML and Ontology Approaches. Lecture Notes in Computer Science, 2002, , 339-349.	1.3	6
76	**DIR** -XML2 - unambiguous access to XML-based business documents in B2B e-commerce. , 2001, , .		5
77	Automatic classification of semantic concepts in view specifications. Lecture Notes in Computer Science, 1996, , 824-833.	1.3	3
78	Neural network technology to support view integration. Lecture Notes in Computer Science, 1995, , 181-190.	1.3	4