

Andreas Riel

List of Publications by Year in Descending Order

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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.

72 papers	478 citations	12 h-index	18 g-index
73 ext. papers	533 ext. citations	1 avg, IF	4.35 L-index

#	Paper	IF	Citations
72	The EFIS Framework for Leveraging Agile Organizations Within Large Enterprises. <i>Lecture Notes in Business Information Processing</i> , 2021 , 42-51	0.6	4
71	Orchestrating Agile IT Quality Management for Complex Solution Development Through Topic-Specific Partnerships in Large Enterprises – An Example on the EFIS Framework. <i>Communications in Computer and Information Science</i> , 2021 , 88-104	0.3	2
70	Lean integration of IT security and data privacy governance aspects into product development in agile organizations. <i>Journal of Universal Computer Science</i> , 2021 , 27, 868-893	1.6	2
69	The implementation of a digital service approach to fostering team autonomy, distant collaboration, and knowledge scaling in large enterprises. <i>Human Systems Management</i> , 2020 , 39, 573-588	1.9	8
68	The SMARTSEA Education Approach to Leveraging the Internet of Things in the Maritime Industry. <i>Communications in Computer and Information Science</i> , 2020 , 247-258	0.3	2
67	Scaling Agile – A Large Enterprise View on Delivering and Ensuring Sustainable Transitions. <i>Lecture Notes in Business Information Processing</i> , 2020 , 1-18	0.6	5
66	An Interpretation and Implementation of Automotive Hardware SPICE. <i>Communications in Computer and Information Science</i> , 2020 , 684-695	0.3	
65	Integrating Stakeholder and Social Network Analysis into Innovation Project Management. <i>Communications in Computer and Information Science</i> , 2020 , 794-804	0.3	0
64	Systematic Agile Development in Regulated Environments. <i>Communications in Computer and Information Science</i> , 2020 , 191-202	0.3	5
63	Agile Team Work Quality in the Context of Agile Transformations – A Case Study in Large-Scaling Environments. <i>Communications in Computer and Information Science</i> , 2020 , 232-243	0.3	2
62	Sustainability Efficiency Challenges of Modern IT Architectures – A Quality Model for Serverless Energy Footprint. <i>Communications in Computer and Information Science</i> , 2020 , 289-301	0.3	4
61	Democratizing Innovation in the Digital Era: Empowering Innovation Agents for Driving the Change. <i>Communications in Computer and Information Science</i> , 2020 , 757-771	0.3	6
60	A Concept for Virtual Reality Based Industrial Maintenance Training Preparation. <i>Communications in Computer and Information Science</i> , 2020 , 820-829	0.3	1
59	Evaluation of Agile Team Work Quality. <i>Lecture Notes in Business Information Processing</i> , 2020 , 101-110	0.6	7
58	Virtual reality based digital chain for creating a knowledge base of hand gestures in maintenance tasks. <i>Procedia CIRP</i> , 2020 , 90, 648-653	1.8	1
57	Quality Requirements Elicitation by Ideation of Product Quality Risks with Design Thinking 2020 ,		11
56	Quality Assurance for Machine Learning – An approach to function and system safeguarding 2020 ,		5

55	Virtual Reality Based Digital Chain for Maintenance Training. <i>Procedia CIRP</i> , 2019 , 84, 1069-1074	1.8	11
54	Corporate Entrepreneurship in Complex Organisations: Towards a Holistic Decision Aid Tool Set to Analyse and Plan Innovative Design Projects. <i>Procedia CIRP</i> , 2019 , 84, 644-649	1.8	3
53	Startup Engagement as Part of the Technology Strategy Planning [How Rheinmetall Automotive Increases Innovation by Using Corporate Venturing. <i>Communications in Computer and Information Science</i> , 2019 , 743-755	0.3	1
52	Quality Assurance and Traceability in Containerized Continuous Delivery Process. <i>Communications in Computer and Information Science</i> , 2019 , 368-377	0.3	1
51	Artificial Intelligence Helps Making Quality Assurance Processes Leaner. <i>Communications in Computer and Information Science</i> , 2019 , 722-730	0.3	3
50	A New Approach to Analysing and Visualizing the Management of Corporate Innovation Projects. <i>Communications in Computer and Information Science</i> , 2019 , 756-768	0.3	2
49	Scaling agile on large enterprise level [Systematic bundling and application of state of the art approaches for lasting agile transitions 2019 ,		4
48	An architectural approach to the integration of safety and security requirements in smart products and systems design. <i>CIRP Annals - Manufacturing Technology</i> , 2018 , 67, 173-176	4.9	25
47	A Design to Environment Modelling Approach based on Time Variation Networks. <i>Procedia CIRP</i> , 2018 , 70, 229-234	1.8	
46	A Project Management Decision Support Tool for Keeping Pace with the Dynamics of Corporate Innovation Projects. <i>Communications in Computer and Information Science</i> , 2018 , 619-630	0.3	4
45	Technology Strategy Planning and Innovation Management at Rheinmetall Automotive to Face Future Mobility Challenges. <i>Communications in Computer and Information Science</i> , 2018 , 607-618	0.3	2
44	Integrated design for tackling safety and security challenges of smart products and digital manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2017 , 66, 177-180	4.9	45
43	Integrated Safety and Security Development in the Automotive Domain 2017 ,		29
42	Automotive SPICE, Safety and Cybersecurity Integration. <i>Lecture Notes in Computer Science</i> , 2017 , 273-285		20
41	Design to Environment: Information Model Characteristics. <i>Procedia CIRP</i> , 2017 , 60, 494-499	1.8	5
40	A Design Process Approach to Strategic Production Planning for Industry 4.0. <i>Communications in Computer and Information Science</i> , 2017 , 323-333	0.3	8
39	Industry 4.0 as Digitalization over the Entire Product Lifecycle: Opportunities in the Automotive Domain. <i>Communications in Computer and Information Science</i> , 2017 , 334-351	0.3	13
38	Diversity and PERMA-nent Positive Leadership to Benefit from Industry 4.0 and Kondratieff 6.0. <i>Communications in Computer and Information Science</i> , 2017 , 642-652	0.3	10

37	A Compact Introduction to Automotive Engineering Knowledge. <i>Communications in Computer and Information Science</i> , 2016 , 259-268	0.3	1
36	Forming a European Innovation Cluster as a Think Tank and Knowledge Pool. <i>Communications in Computer and Information Science</i> , 2016 , 293-301	0.3	2
35	Functional Safety Considerations for an In-wheel Electric Motor for Education. <i>Communications in Computer and Information Science</i> , 2016 , 251-258	0.3	
34	Industry-academia Cooperation to Empower Automotive Engineering Designers. <i>Procedia CIRP</i> , 2016 , 50, 739-744	1.8	5
33	Automotive Quality Universities - AQUA Alliance Extension to Higher Education. <i>Communications in Computer and Information Science</i> , 2016 , 176-187	0.3	12
32	Stakeholder integration for the successful product-process co-design for next-generation manufacturing technologies. <i>CIRP Annals - Manufacturing Technology</i> , 2016 , 65, 181-184	4.9	14
31	An Innovative Approach to Teaching Sustainable Design and Management. <i>Procedia CIRP</i> , 2015 , 36, 29-34	4.8	4
30	Preparing Researchers for Entrepreneurship Based on Systematic Innovation Training. <i>Procedia Engineering</i> , 2015 , 131, 933-940		1
29	Achieving Sustainable Development by Integrating It into the Business Process Management System. <i>Communications in Computer and Information Science</i> , 2015 , 247-259	0.3	2
28	Integration to Face Modern Quality Challenges in Automotive. <i>Procedia Engineering</i> , 2014 , 97, 1866-1874		2
27	Leadership in Sustainability. <i>Communications in Computer and Information Science</i> , 2014 , 231-245	0.3	4
26	Empowering Entrepreneurship in Europe: Going from the Idea to Enterprise in 4 EU Countries. <i>Communications in Computer and Information Science</i> , 2014 , 262-270	0.3	2
25	Integrating Functional Safety, Automotive SPICE and Six Sigma – The AQUA Knowledge Base and Integration Examples. <i>Communications in Computer and Information Science</i> , 2014 , 285-295	0.3	17
24	The Need for a Structured Approach towards Production Technology Roadmaps in Innovation-Driven Industries. <i>Communications in Computer and Information Science</i> , 2014 , 251-261	0.3	2
23	Structuring the early fuzzy front-end to manage ideation for new product development. <i>CIRP Annals - Manufacturing Technology</i> , 2013 , 62, 107-110	4.9	18
22	IT-supported innovation management in the automotive supplier industry to drive idea generation and leverage innovation. <i>Journal of Software: Evolution and Process</i> , 2013 , 25, 329-339	1	6
21	Fostering Innovation and Entrepreneurship in European VET: EU Project From Idea to Enterprise – Communications in Computer and Information Science, 2013 , 282-293	0.3	7
20	Implementing Functional Safety Standards – Experiences from the Trials about Required Knowledge and Competencies (SafeUR). <i>Communications in Computer and Information Science</i> , 2013 , 323-332	0.3	14

19	Automotive Knowledge Alliance AQUA [Integrating Automotive SPICE, Six Sigma, and Functional Safety. <i>Communications in Computer and Information Science</i> , 2013 , 333-344	0.3	29
18	Process and product innovation needs integrated engineering collaboration skills. <i>Journal of Software: Evolution and Process</i> , 2012 , 24, 551-560	1	12
17	EU Project SafeUr [Competence Requirements for Functional Safety Managers. <i>Communications in Computer and Information Science</i> , 2012 , 253-265	0.3	17
16	Towards an Ideation Process Applied to the Automotive Supplier Industry. <i>Communications in Computer and Information Science</i> , 2012 , 229-240	0.3	
15	Sustainable innovation management in the automotive supplier industry. <i>International Journal of Technology Intelligence and Planning</i> , 2011 , 7, 327	0.4	1
14	Automatic knowledge extraction from manufacturing research publications. <i>CIRP Annals - Manufacturing Technology</i> , 2011 , 60, 477-480	4.9	9
13	Improvement of Innovation Management through the Enlargement of Idea Sources. <i>Communications in Computer and Information Science</i> , 2011 , 121-132	0.3	3
12	Innovation Managers 2.0: Which Competencies?. <i>Communications in Computer and Information Science</i> , 2011 , 278-289	0.3	4
11	European Qualification and Certification for the Lifelong Learning 2011 , 135-146		2
10	Qualification and certification for the competitive edge in Integrated Design. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2010 , 2, 279-289	3.4	18
9	Integrated Design [A Set of Competences and Skills Required by Systems and Product Architects. <i>Communications in Computer and Information Science</i> , 2010 , 233-244	0.3	4
8	Qualification and Certification of Research-Entrepreneur Skills Using the ECQA Platform. <i>Communications in Computer and Information Science</i> , 2010 , 249-258	0.3	1
7	Integrated engineering skills for improving the system competence level. <i>Software Process Improvement and Practice</i> , 2009 , 14, 325-335		5
6	Modellabbildung des Antriebsstrangs. <i>MTZ - Motortechnische Zeitschrift</i> , 2005 , 66, 50-56	0.2	1
5	Modellierung von Fahrzeug und Antriebsstrang im gesamten Entwicklungsprozess. <i>ATZ Automobiltechnische Zeitschrift</i> , 2004 , 106, 522-531	0.1	3
4	Towards a security-driven automotive development lifecycle. <i>Journal of Software: Evolution and Process</i> , e2407	1	3
3	Teamwork quality in technology-driven product teams in large-scale agile organizations. <i>Journal of Software: Evolution and Process</i> , e2388	1	1
2	Measuring teamwork quality in large-scale agile organisations evaluation and integration of the aTWQ approach. <i>IET Software</i> ,	1	1

- 1 The Relationship Between Uncertainty and Task Execution Strategies in Project Management.
Project Management Journal, 875697282210898 3.5