

Richard Messnarz

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.

85
papers

831
citations

15
h-index

24
g-index

101
ext. papers

911
ext. citations

0.7
avg, IF

4.35
L-index

#	Paper	IF	Citations
85	Innovation Agents [Moving from Process Driven to Human Centred Intelligence Driven Approaches. <i>Communications in Computer and Information Science</i> , 2021 , 319-335	0.3	2
84	Automotive Cybersecurity - Training the Future. <i>Communications in Computer and Information Science</i> , 2021 , 211-219	0.3	1
83	First Experiences with the Automotive SPICE for Cybersecurity Assessment Model. <i>Communications in Computer and Information Science</i> , 2021 , 531-547	0.3	3
82	Cybersecurity Threat Analysis, Risk Assessment and Design Patterns for Automotive Networked Embedded Systems: A Case Study. <i>Journal of Universal Computer Science</i> , 2021 , 27, 830-849	1.6	3
81	Towards a Multidimensional Self-assessment for Software Process Improvement: A Pilot Tool. <i>Communications in Computer and Information Science</i> , 2021 , 164-180	0.3	1
80	Electric Powertrain Engineer Skills Needs and Pilot Course Implementation. <i>Communications in Computer and Information Science</i> , 2021 , 675-691	0.3	2
79	A Multidimensional Review and Extension of the SPI Manifesto Using STEEPLED Analysis. <i>Communications in Computer and Information Science</i> , 2021 , 181-208	0.3	2
78	Automotive Engineering Skills and Job Roles of the Future?. <i>Communications in Computer and Information Science</i> , 2020 , 352-369	0.3	9
77	A Study of Electric Powertrain Engineering - Its Requirements and Stakeholders Perspectives. <i>Communications in Computer and Information Science</i> , 2020 , 396-407	0.3	3
76	Enough Assessment Guidance, It's Time for Improvement [A Proposal for Extending the VDA Guidelines. <i>Communications in Computer and Information Science</i> , 2020 , 462-476	0.3	6
75	Automotive Cybersecurity Engineering Job Roles and Best Practices [Developed for the EU Blueprint Project DRIVES. <i>Communications in Computer and Information Science</i> , 2020 , 499-510	0.3	9
74	Experience with the Performance of Online Distributed Assessments [Using Advanced Infrastructure. <i>Communications in Computer and Information Science</i> , 2020 , 629-638	0.3	6
73	Metrics and Dashboard for Level 2 [Experience. <i>Communications in Computer and Information Science</i> , 2020 , 652-672	0.3	1
72	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
71	DRIVES[EU blueprint project for the automotive sector[A literature review of drivers of change in automotive industry. <i>Journal of Software: Evolution and Process</i> , 2020 , 32, e2222	1	13
70	Current perspectives on the software engineering process. <i>Journal of Software: Evolution and Process</i> , 2020 , 32, e2313	1	
69	Transferable Competence Frameworks for Automotive Industry. <i>Communications in Computer and Information Science</i> , 2019 , 151-162	0.3	5

68	Cross-Cutting Approach to Integrate Functional and Material Design in a System Architectural Design [Example of an Electric Powertrain. <i>Communications in Computer and Information Science</i> , 2019 , 322-338	0.3	10
67	Shifting Paradigms in Innovation Management [Organic Growth Strategies in the Cloud. <i>Communications in Computer and Information Science</i> , 2019 , 28-42	0.3	5
66	Highly Autonomous Vehicle (System) Design Patterns [Achieving Fail Operational and High Level of Safety and Security. <i>Communications in Computer and Information Science</i> , 2019 , 465-477	0.3	5
65	Experiences with ASPICE 3.1 and the VDA Automotive SPICE Guidelines [Using Advanced Assessment Systems. <i>Communications in Computer and Information Science</i> , 2019 , 549-562	0.3	15
64	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
63	Effective Approaches to Training CPS Knowledge and Skills. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2018 , 111-135	0.4	1
62	ELIC [Building the New Generation of Engineers for Automotive in Europe. <i>Communications in Computer and Information Science</i> , 2018 , 654-665	0.3	2
61	Functional Safety Case with FTA and FMEDA Consistency Approach. <i>Communications in Computer and Information Science</i> , 2018 , 387-397	0.3	2
60	Assessing Agile in Automotive Embedded Development Projects Using Automotive SPICE 3.1. <i>Communications in Computer and Information Science</i> , 2018 , 443-455	0.3	1
59	Hardware SPICE Extension for Automotive SPICE 3.1. <i>Communications in Computer and Information Science</i> , 2018 , 480-491	0.3	8
58	Extending Automotive SPICE 3.0 for the use in ADAS and future self-driving service architectures. <i>Journal of Software: Evolution and Process</i> , 2018 , 30, e1948	1	12
57	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
56	InnoTEACH [Applying Principles of Innovation in School. <i>Communications in Computer and Information Science</i> , 2017 , 294-301	0.3	5
55	Integrated Safety and Security Development in the Automotive Domain 2017 ,		29
54	Need for the Continuous Evolution of Systems Engineering Practices for Modern Vehicle Engineering. <i>Communications in Computer and Information Science</i> , 2017 , 439-452	0.3	20
53	Automotive SPICE, Safety and Cybersecurity Integration. <i>Lecture Notes in Computer Science</i> , 2017 , 273-285	0.3	20
52	Experiences with SQIL [SW Quality Improvement Leadership Approach from Volkswagen. <i>Communications in Computer and Information Science</i> , 2017 , 421-435	0.3	11
51	Diversity and PERMA-nent Positive Leadership [o Benefit from Industry 4.0 and Kondratieff 6.0. <i>Communications in Computer and Information Science</i> , 2017 , 642-652	0.3	10

50	Automotive Quality Universities [AQU] Integration of Modular Content into the Higher Education Studies. <i>Communications in Computer and Information Science</i> , 2017 , 453-467	0.3	
49	Refactoring Software Development Process Terminology Through the Use of Ontology. <i>Communications in Computer and Information Science</i> , 2016 , 47-57	0.3	11
48	A Compact Introduction to Automotive Engineering Knowledge. <i>Communications in Computer and Information Science</i> , 2016 , 259-268	0.3	1
47	An Investigation of Software Development Process Terminology. <i>Communications in Computer and Information Science</i> , 2016 , 351-361	0.3	15
46	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
45	Functional Safety Considerations for an In-wheel Electric Motor for Education. <i>Communications in Computer and Information Science</i> , 2016 , 251-258	0.3	
44	Special issue on software and service improvement in the scope of SMEs. <i>Software Quality Journal</i> , 2016 , 24, 485-487	1.2	4
43	Industry-academia Cooperation to Empower Automotive Engineering Designers. <i>Procedia CIRP</i> , 2016 , 50, 739-744	1.8	5
42	Automotive Quality Universities - AQUA Alliance Extension to Higher Education. <i>Communications in Computer and Information Science</i> , 2016 , 176-187	0.3	12
41	ECQA Governance Capability Assessor Skills for Managing Strategic Directions. <i>Communications in Computer and Information Science</i> , 2015 , 260-275	0.3	
40	Using social media as a tool for business improvement and certification of knowledge workers. <i>Journal of Software: Evolution and Process</i> , 2014 , 26, 791-798	1	5
39	Social responsibility aspects supporting the success of SPI. <i>Journal of Software: Evolution and Process</i> , 2014 , 26, 284-294	1	32
38	Leadership in Sustainability. <i>Communications in Computer and Information Science</i> , 2014 , 231-245	0.3	4
37	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
36	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
35	Project Valorisation through Agility and Catering for Stakeholder Expectations. <i>Communications in Computer and Information Science</i> , 2014 , 217-230	0.3	
34	Improving safety and availability of complex systems by using an integrated design approach in development. <i>Journal of Software: Evolution and Process</i> , 2013 , 25, 341-349	1	0
33	The people aspects in modern process improvement management approaches. <i>Journal of Software: Evolution and Process</i> , 2013 , 25, 381-391	1	53

32	Fostering Innovation and Entrepreneurship in European VET: EU Project [From Idea to Enterprise] <i>Communications in Computer and Information Science, 2013, 282-293</i>	0.3	7
31	Implementing Functional Safety Standards [Experiences from the Trials about Required Knowledge and Competencies (SafEUR). <i>Communications in Computer and Information Science, 2013, 323-332</i>	0.3	14
30	Automotive Knowledge Alliance AQUA [Integrating Automotive SPICE, Six Sigma, and Functional Safety. <i>Communications in Computer and Information Science, 2013, 333-344</i>	0.3	29
29	Special session: Performance-centered adaptive curriculum for employment needs 2012,		3
28	Improving the software development for multiple projects by applying a platform strategy for mechatronic systems. <i>Journal of Software: Evolution and Process, 2012, 24, 541-549</i>	1	4
27	Process and product innovation needs integrated engineering collaboration skills. <i>Journal of Software: Evolution and Process, 2012, 24, 551-560</i>	1	12
26	The SPI manifesto and the ECQA SPI manager certification scheme. <i>Journal of Software: Evolution and Process, 2012, 24, 525-540</i>	1	57
25	Europe wide industry certification using standard procedures based on ISO 17024 2012,		5
24	Launching Innovation in the Market Requires Competences in Dissemination and Exploitation. <i>Communications in Computer and Information Science, 2012, 241-252</i>	0.3	15
23	EU Project SafEUR [Competence Requirements for Functional Safety Managers. <i>Communications in Computer and Information Science, 2012, 253-265</i>	0.3	17
22	Experiences with Trial Assessments Combining Automotive SPICE and Functional Safety Standards. <i>Communications in Computer and Information Science, 2012, 266-275</i>	0.3	20
21	EU Project BPM-GOSPEL [Applying Compliance Management Scenarios in Business Process Modelling for Trusted Business Coaching Programs. <i>Communications in Computer and Information Science, 2012, 288-299</i>	0.3	1
20	The Future of SPI Knowledge and Networking in Europe [A Vision. <i>Communications in Computer and Information Science, 2011, 268-277</i>	0.3	5
19	Adapting the FMEA for Safety Critical Design Processes. <i>Communications in Computer and Information Science, 2011, 290-297</i>	0.3	3
18	Extending Automotive SPICE to Cover Functional Safety Requirements and a Safety Architecture. <i>Communications in Computer and Information Science, 2011, 298-307</i>	0.3	2
17	Qualification and certification for the competitive edge in Integrated Design. <i>CIRP Journal of Manufacturing Science and Technology, 2010, 2, 279-289</i>	3.4	18
16	Agility Meets Systems Engineering: A Catalogue of Success Factors from Industry Practice. <i>Communications in Computer and Information Science, 2010, 245-256</i>	0.3	10
15	Qualification and Certification of Research-Entrepreneur Skills Using the ECQA Platform. <i>Communications in Computer and Information Science, 2010, 249-258</i>	0.3	1

14	Integrated engineering skills for improving the system competence level. <i>Software Process Improvement and Practice</i> , 2009 , 14, 325-335	5
13	Integrated Automotive SPICE and safety assessments. <i>Software Process Improvement and Practice</i> , 2009 , 14, 279-288	17
12	Human resources based improvement strategiesThe learning factor. <i>Software Process Improvement and Practice</i> , 2008 , 13, 355-362	13
11	Assessment-based learning systemsLearning from best projects. <i>Software Process Improvement and Practice</i> , 2007 , 12, 569-577	15
10	European industrial experiences in process improvement and innovation. <i>Software Process Improvement and Practice</i> , 2007 , 12, 507-509	0
9	Software Process Improvement IEuroSPI 2007 Conference. <i>Lecture Notes in Computer Science</i> , 2007 , 1-6	0.9
8	From compliance to business success: improving outsourcing service controls by adopting external regulatory requirements. <i>Software Process Improvement and Practice</i> , 2006 , 11, 239-249	2
7	From process improvement to learning organisations. <i>Software Process Improvement and Practice</i> , 2006 , 11, 287-294	13
6	Special issue with selected industrial experience papers of EuroSPI22005. <i>Software Process Improvement and Practice</i> , 2006 , 11, 215-218	0
5	Software Process Improvement IEuroSPI 2005 Conference. <i>Lecture Notes in Computer Science</i> , 2005 , 1-3	0.9
4	Pioneering process improvement experiment in hungary. <i>Software Process Improvement and Practice</i> , 2000 , 5, 213-229	5
3	. <i>IEEE Software</i> , 1994 , 11, 25-35	1.5 39
2	Towards a security-driven automotive development lifecycle. <i>Journal of Software: Evolution and Process</i> ,e2407	1 3
1	Process improvement guidance for successful automotive SPI implementation. <i>Journal of Software: Evolution and Process</i> ,e2373	1 1