Mark Gj Van Den Brand

List of Publications by Year
in descending order

38 papers	**485** citations	840585 **11** h-index	794469 **19** g-index
45 all docs	**45** docs citations	**45** times ranked	**384** citing authors

#	Article	IF	Citations
1	Eclipse API usage: the good and the bad. Software Quality Journal, 2015, 23, 107-141.	1.4	44
2	Generation of components for software renovation factories from context-free grammars. Science of Computer Programming, 2000, 36, 209-266.	1.5	41
3	Conceptualizing Digital Twins. IEEE Software, 2022, 39, 39-46.	2.1	39
4	How healthy are software engineering conferences?. Science of Computer Programming, 2014, 89, 251-272.	1.5	30
5	Towards Industry 4.0: Gap Analysis between Current Automotive MES and Industry Standards Using Model-Based Requirement Engineering. , 2017, , .		28
6	Metamodel clone detection with SAMOS. Journal of Computer Languages, 2019, 51, 57-74.	1.5	26
7	Integrating Textual and Graphical Modelling Languages. Electronic Notes in Theoretical Computer Science, 2010, 253, 105-120.	0.9	24
8	ATerms for manipulation and exchange of structured data: Itâ€™s all about sharing. Information and Software Technology, 2007, 49, 55-64.	3.0	21
9	An Action Environment. Science of Computer Programming, 2006, 61, 245-264.	1.5	16
10	Hierarchical Clustering of Metamodels for Comparative Analysis and Visualization. Lecture Notes in Computer Science, 2016, , 3-18.	1.0	16
11	Metrics design for safety assessment. Information and Software Technology, 2016, 73, 151-163.	3.0	15
12	Improving custom-tailored variability mining using outlier and cluster detection. Science of Computer Programming, 2018, 163, 62-84.	1.5	14
13	On functional safety methods: A system of systems approach. , 2018, , .		13
14	Modular grammar specification. Science of Computer Programming, 2014, 87, 23-43.	1.5	12
15	An architecture pattern for safety critical automated driving applications: Design and analysis. , 2017, , .		12
16	A Survey of Open Source Multiphysics Frameworks in Engineering. Procedia Computer Science, 2015, 51, 1088-1097.	1.2	11
17	Software engineering: Redundancy is key. Science of Computer Programming, 2015, 97, 75-81.	1.5	11
18	A systematic approach and tool support for GSN-based safety case assessment. Journal of Systems Architecture, 2017, 76, 1-16.	2.5	10

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19	Exploration of modularity and reusability of domain-specific languages: an expression DSL in MetaMod. Computer Languages, Systems and Structures, 2018, 51, 48-70.	1.4	10
20	A functional safety assessment method for cooperative automotive architecture. Journal of Systems and Software, 2021, 179, 110991.	3.3	9
21	Automated Derivation of Translators From Annotated Grammars. Electronic Notes in Theoretical Computer Science, 2006, 164, 121-137.	0.9	8
22	Tool Building on the Shoulders of Others. IEEE Software, 2009, 26, 22-23.	2.1	8
23	Rewriting Logic Systems. Electronic Notes in Theoretical Computer Science, 2007, 176, 233-247.	0.9	7
24	Automotive Software Engineering: Past, Present, and Future. , 2019, , 3-8.		7
25	The Second Rewrite Engines Competition. Electronic Notes in Theoretical Computer Science, 2009, 238, 281-291.	0.9	5
26	Detecting Modularity "Smells" in Dependencies Injected with Java Annotations. , 2010, , .		5
27	Introduction—the LDTA tool challenge. Science of Computer Programming, 2015, 114, 1-6.	1.5	4
28	An approach for functional safety improvement of an existing automotive system. , 2015, , .		4
29	Interface protocol inference to aid understanding legacy software components. Software and Systems Modeling, 2020, 19, 1519-1540.	2.2	4
30	Formal Methods for GPGPU Programming: Is the Demand Met?. Lecture Notes in Computer Science, 2020, , 160-177.	1.0	4
31	Clone-Seeker: Effective Code Clone Search Using Annotations. IEEE Access, 2022, 10, 11696-11713.	2.6	4
32	Automated generation of program translation and verification tools using annotated grammars. Science of Computer Programming, 2010, 75, 3-20.	1.5	3
33	Safety-Driven Development and ISO 26262. , 2019, , 225-254.		3
34	The JOT Journal: Towards a Rising Generation.. Journal of Object Technology, 2019, 18, 1.	0.8	3
35	Clone-advisor: recommending code tokens and clone methods with deep learning and information retrieval. PeerJ Computer Science, 2021, 7, e737.	2.7	3
36	Semi-automatic Architectural Suggestions for the Functional Safety of Cooperative Driving Systems. , 2020, , .		1

#	Article	IF	Citations
37	Tool demonstration track of MODELS'2016. Science of Computer Programming, 2017, 149, 1-2.	1.5	0
38	Dependency safety for Java â€" Implementing and testing failboxes. Science of Computer Programming, 2019, 184, 102316.	1.5	0