Martin Gaedke

List of Publications by Year
in descending order

149 papers	1,486 citations	759190 12 h-index	414395 32 g-index
162 all docs	162 docs citations	162 times ranked	1067 citing authors

#	Article	IF	Citations
1	Interoperability in Internet of Things: Taxonomies and Open Challenges. Mobile Networks and Applications, 2019, 24, 796-809.	3.3	365
2	Discovering and Maintaining Links on the Web of Data. Lecture Notes in Computer Science, 2009, , 650-665.	1.3	210
3	Object-oriented Web application development. IEEE Internet Computing, 1999, 3, 60-68.	3.3	86
4	Mockup-Driven Development: Providing agile support for Model-Driven Web Engineering. Information and Software Technology, 2014, 56, 670-687.	4.4	57
5	WebComposition: an object-oriented support system for the Web engineering lifecycle. Computer Networks, 1997, 29, 1429-1437.	1.0	47
6	Exploiting single-user web applications for shared editing. , 2012, , .		40
7	Automatic Knowledge Extraction to Build Semantic Web of Things Applications. IEEE Internet of Things Journal, 2019, 6, 8447-8454.	8.7	37
8	End-user-oriented telco mashups. , 2012, , .		31
9	A modeling approach to federated identity and access management. , 2005, , .		27
10	Interoperability in Internet of Things Infrastructure: Classification, Challenges, and Future Work. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 11-18.	0.3	19
11	The Social Routing Principle. IEEE Internet Computing, 2011, 15, 80-83.	3.3	18
12	Auto-Extraction and Integration ofMetrics forWeb User Interfaces. Journal of Web Engineering, 2019, 17, 561-590.	0.7	16
13	Complementary assistance mechanisms for end user mashup composition. , 2013, , .		14
14	Development and Evolution of Web-Applications Using the WebComposition Process Model. Lecture Notes in Computer Science, 2001, , 58-76.	1.3	14
15	Ensuring Web Interface Quality through Usability-Based Split Testing. Lecture Notes in Computer Science, 2014, , 93-110.	1.3	14
16	WCML. , 2000, , .		13
17	Supporting compositional reuse in component-based Web engineering. , 2000, , .		13
18	From Mashups to Telco Mashups: A Survey. IEEE Internet Computing, 2012, 16, 70-76.	3.3	13

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19	WoTDL: Web of Things Description Language for Automatic Composition. , 2019, , .		13
20	Towards Efficient Resource Management in Cloud Computing: A Survey. , 2016, , .		12
21	HCI Vision for Automated Analysis and Mining of Web User Interfaces. Lecture Notes in Computer Science, 2018, , 136-144.	1.3	12
22	TellMyRelevance!. , 2013, , .		11
23	Webifying Heterogenous Internet of Things Devices. Lecture Notes in Computer Science, 2019, , 509-513.	1.3	11
24	Current trends in automating usability evaluation of websites: Can you manage what you can't measure?. , 2016, , .		10
25	SmartComposition: A Component-Based Approach for Creating Multi-screen Mashups. Lecture Notes in Computer Science, 2014, , 236-253.	1.3	10
26	Exploiting annotations for the rapid development of collaborative web applications. , 2013, , .		10
27	WCAG formalization with W3C standards. , 2005, , .		9
28	Web composition with WCAG in mind. , 2005, , .		9
29	Application of evolutionary algorithms in interaction design: From requirements and ontology to optimized web interface. , 2016, , .		9
30	Reusable Awareness Widgets for Collaborative Web Applications â€“ A Non-invasive Approach. Lecture Notes in Computer Science, 2012, , 1-15.	1.3	9
31	Awareness and Control for Inter-Widget Communication: Challenges and Solutions. Lecture Notes in Computer Science, 2013, , 114-122.	1.3	9
32	IMPROVING FAKE PRODUCT DETECTION USING AI-BASED TECHNOLOGY. , 2020, , .		9
33	Practical Web Data Extraction: Are We There Yet? - A Short Survey. , 2016, , .		8
34	GrOWTH: Goal-Oriented End User Development for Web of Things Devices. Lecture Notes in Computer Science, 2018, , 358-365.	1.3	8
35	Measuring and Ensuring Similarity of User Interfaces: The Impact of Web Layout. Lecture Notes in Computer Science, 2016, , 252-260.	1.3	8
36	I Donâ€™t Have That Much Data! Reusing User Behavior Models for Websites from Different Domains. Lecture Notes in Computer Science, 2020, , 146-162.	1.3	8

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37	M2M interface: a Web services-based framework for federated enterprise management. , 2005, , .		7
38	An Automated Cyclic Planning Framework Based on Plan-Do-Check-Act for Web of Things Composition. , 2019, , .		7
39	SemQuire - Assessing the Data Quality of Linked Open Data Sources Based on DQV. Lecture Notes in Computer Science, 2018, , 163-175.	1.3	7
40	Integration of Telco Services into Enterprise Mashup Applications. Lecture Notes in Computer Science, 2012, , 37-48.	1.3	7
41	Natural language goal understanding for smart home environments. , 2020, , .		7
42	Modeling Federations of Web Applications with WAM. , 0, , .		6
43	Data binding for standard-based web applications. , 2012, , .		6
44	Toward Collaborative Software Engineering Leveraging the Crowd. , 2014, , 159-182.		6
45	Self-contained web components through serverless computing. , 2017, , .		6
46	Customized Views on Profiles in WebID-Based Distributed Social Networks. Lecture Notes in Computer Science, 2013, , 498-501.	1.3	6
47	WebSoDa: A Tailored Data Binding Framework for Web Programmers Leveraging the WebSocket Protocol and HTML5 Microdata. Lecture Notes in Computer Science, 2011, , 387-390.	1.3	6
48	Aspects of service–oriented component procurement in web–based information systems. International Journal of Web Information Systems, 2005, 1, 15-24.	2.4	5
49	A Workflow-Driven Approach for the Efficient Integration of Web Services in Portals. , 2007, , .		5
50	Collaborative adaptive case management with linked data. , 2014, , .		5
51	S.O.S.. , 2015, , .		5
52	An Extensible, Model-Driven and End-User Centric Approach for API Building. Lecture Notes in Computer Science, 2014, , 494-497.	1.3	5
53	Inter-Widget Communication by Demonstration in User Interface Mashups. Lecture Notes in Computer Science, 2013, , 502-505.	1.3	5
54	Integrating Web-based e-commerce applications with business application systems. NETNOMICS: Economic Research and Electronic Networking, 2000, 2, 117-138.	0.9	4

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55	The chrooma+ approach to enrich video content using HTML5. , 2013, , .		4
56	Enhancing media enrichment by semantic extraction. , 2014, , .		4
57	Evaluation of User-Subjective Web Interface Similarity with Kansei Engineering-Based ANN. , 2017, , .		4
58	Integration Platform for Metric-Based Analysis of Web User Interfaces. Lecture Notes in Computer Science, 2019, , 525-529.	1.3	4
59	Construction of Adaptive Web-Applications from Reusable Components. Lecture Notes in Computer Science, 2000, , 1-13.	1.3	4
60	Web Engineering Revisited. , 0, , .		4
61	Extending Web Standards-Based Widgets towards Inter-Widget Communication. Lecture Notes in Computer Science, 2012, , 93-96.	1.3	4
62	Towards Metric-based Usability Evaluation of Online Web Interfaces. , 2013, , 277-282.		4
63	Web Intelligence Linked Open Data for Website Design Reuse. Lecture Notes in Computer Science, 2017, , 370-377.	1.3	4
64	WebComposition/DGS: Supporting Web2.0 Developments with Data Grids. , 2008, , .		3
65	A domain-specific language for the model-driven construction of advanced web-based dialogs. , 2008, , .		3
66	Analyzing the suitability of web applications for a single-user to multi-user transformation. , 2013, , .		3
67	SmartComposition. , 2015, , .		3
68	SmartComposition. , 2015, , .		3
69	Analysis and Prediction of University Websites Perceptions by Different User Groups. , 2018, , .		3
70	Media Enrichment on Distributed Displays by Selective Information Presentation: A First Prototype. Lecture Notes in Computer Science, 2013, , 51-53.	1.3	3
71	From Choreographed to Hybrid User Interface Mashups: A Generic Transformation Approach. Lecture Notes in Computer Science, 2014, , 145-162.	1.3	3
72	Specification of Components Based on the WebComposition Component Model. , 2002, , 275-284.		3

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73	Enriching Web Applications with Collaboration Support Using Dependency Injection. Lecture Notes in Computer Science, 2012, , 473-476.	1.3	3
74	ENHANCING FAKE PRODUCT DETECTION USING DEEP LEARNING OBJECT DETECTION MODELS. Iadis International Journal on Computer Science and Information Systems, 2020, 15, 13-24.	0.1	3
75	WAEX: Web Accessibility Evaluator in a Single XSLT File. , 2006, , .		2
76	FDX. , 2006, , .		2
77	Identifying Security Aspects in Web-Based Federations. , 2008, , .		2
78	Utilizing architecture models for secure distributed web applications and services. IT - Information Technology, 2014, 56, 112-118.	0.9	2
79	Inuit: The Interface Usability Instrument. Lecture Notes in Computer Science, 2015, , 256-268.	1.3	2
80	The Web as an Application Platform. , 2008, , 33-45.		2
81	Ubiquitous Microblogging: A Flow-Based Front-End for Information Logistics. Lecture Notes in Business Information Processing, 2010, , 158-167.	1.0	2
82	ProProtect3: An Approach for Protecting User Profile Data from Disclosure, Tampering, and Improper Use in the Context of WebID. Lecture Notes in Computer Science, 2015, , 87-127.	1.3	2
83	Towards Real-time Collaboration in User Interface Mashups. , 2014, , .		2
84	Supporting Secure Deployment of Portal Components. Lecture Notes in Computer Science, 2004, , 516-520.	1.3	2
85	Extending Kansei Engineering for Requirements Consideration in Web Interaction Design. Lecture Notes in Computer Science, 2016, , 513-518.	1.3	2
86	Web Migration - A Survey Considering the SME Perspective. , 2017, , .		2
87	aTLAS: a Testbed to Examine Trust for a Redecentralized Web. , 2020, , .		2
88	We Donâ€™t Need No Real Users?! Surveying theÂAdoption ofÂUser-less Automation Tools byÂUI Design Practitioners. Lecture Notes in Computer Science, 2022, , 406-414.	1.3	2
89	i2Map: an approach to model the landscape of federated systems. , 2005, , .		1
90	Enabling Architecture Changes in Distributed Web-Applications. , 2007, , .		1

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91	Environment-Awareness: Quantitative Processing of Context Changes. , 2008, , .		1
92	Business Process Integration using Telco Mashups. Procedia Computer Science, 2011, 5, 677-680.	2.0	1
93	Integrating human-services using WebComposition/UIX. , 2011, , .		1
94	Towards a Context-Aware WebID Certificate Creation Taking Individual Conditions and Trust Needs into Account. , 2013, , .		1
95	Was That Webpage Pleasant to Use? Predicting Usability Quantitatively from Interactions. Lecture Notes in Computer Science, 2013, , 335-339.	1.3	1
96	Towards awareness and control in choreographed user interface mashups. , 2014, , .		1
97	Enriching single-user web applications non-invasively with shared editing support. Science of Computer Programming, 2014, 94, 53-66.	1.9	1
98	KESeDa. , 2016, , .		1
99	An application meta-model to support the execution and benchmarking of scientific applications in multi-cloud environments. , 2017, , .		1
100	A Benchmark Model for the Creation of Compute Instance Performance Footprints. Lecture Notes in Computer Science, 2018, , 221-234.	1.3	1
101	Remembering Florian Daniel. IEEE Internet Computing, 2020, 24, 58-59.	3.3	1
102	Web User Interface as a Message. Lecture Notes in Computer Science, 2021, , 88-96.	1.3	1
103	WTA: Towards a Web-Based Testbed Architecture. Lecture Notes in Computer Science, 2021, , 115-123.	1.3	1
104	SolidRDP: Applying Solid Data Containers for Research Data Publishing. Lecture Notes in Computer Science, 2020, , 399-415.	1.3	1
105	Uri-aware user input interfaces for the unobtrusive reference to linked data. Iadis International Journal on Computer Science and Information Systems, 2018, 13, 62-75.	0.1	1
106	The SWAC Approach for Sharing a Web Application's Codebase Between Server and Client. Lecture Notes in Computer Science, 2013, , 84-98.	1.3	1
107	GAwl: A Comprehensive Workspace Awareness Library for Collaborative Web Applications. Lecture Notes in Computer Science, 2013, , 482-485.	1.3	1
108	CRAWL·E: Distributed Skill Endorsements in Expert Finding. Lecture Notes in Computer Science, 2014, , 57-75.	1.3	1

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109	Supporting the Developmentof Team-Climate-Aware Collaborative Web Applications. Lecture Notes in Computer Science, 2015, , 663-666.	1.3	1
110	SmartComposition: Extending Web Applications to Multi-screen Mashups. Communications in Computer and Information Science, 2016, , 50-62.	0.5	1
111	AWSM - Agile Web Migration for SMEs. , 2016, , .		1
112	Exploring Crowdsourced Reverse Engineering. , 2018, , .		1
113	DaQAR - An Ontology for the Uniform Exchange of Comparable Linked Data Quality Assessment Requirements. Lecture Notes in Computer Science, 2018, , 234-242.	1.3	1
114	ReWaMP: Rapid Web Migration Prototyping Leveraging WebAssembly. Lecture Notes in Computer Science, 2018, , 84-92.	1.3	1
115	Crowdsourced Reverse Engineering: Experiences in Applying Crowdsourcing to Concept Assignment. Communications in Computer and Information Science, 2019, , 215-239.	0.5	1
116	VISH: Does Your Smart Home Dialogue System Also Need Training Data?. Lecture Notes in Computer Science, 2020, , 171-187.	1.3	1
117	Benchmarking Neural Networks-Based Approaches for Predicting Visual Perception of User Interfaces. Lecture Notes in Computer Science, 2022, , 217-231.	1.3	1
118	Evolution of Web-Based Applications Using Domain-Specific Markup Languages. Australasian Journal of Information Systems, 2000, 8, .	0.3	0
119	Web engineering. , 2005, , .		0
120	Construction by linking. , 2007, , .		0
121	Systematic composition of web-based applications with focus on security. , 2015, , .		0
122	Secure Storing of E-Health Records in the Cloud. Lecture Notes in Computer Science, 2015, , 635-638.	1.3	0
123	Towards Handling Constraint Network Conditions Between WoT Entities Using Conflict-Free Anti-Entropy Communication. Lecture Notes in Computer Science, 2016, , 576-580.	1.3	0
124	Investigating the Influence of CPU Load, Memory Usage and Environmental Conditions on the Jittering of Android Devices. , 2018, , .		0
125	GOWDA. , 2018, , .		0
126	How to Understand Better â€œSmart Vehicleâ€? Knowledge Extraction for the Automotive Sector Using Web of Things. Studies in Computational Intelligence, 2021, , 303-321.	0.9	0

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127	NAND-measure: An Android App for Marker-based Spatial Measurement. , 2021, , .		0
128	CARDINAL: Contextualized Adaptive Research Data Description INterface Applying LinkedData. Lecture Notes in Computer Science, 2021, , 11-27.	1.3	0
129	Software Contracts for Component-Based Web Engineering. , 2005, , 2557-2561.		0
130	WebComposition/DGS. , 2008, , .		0
131	Multi-Touch zur Unterstützung agiler Softwareentwicklungsprozesse. , 2011, , 297-300.		0
132	End-User-Development and Evolution of Web Applications: The WebComposition EUD Approach. Lecture Notes in Computer Science, 2012, , 221-226.	1.3	0
133	Using Linked Data for Modeling Secure Distributed Web Applications and Services. Lecture Notes in Computer Science, 2014, , 540-544.	1.3	0
134	Tamper-Evident User Profiles for WebID-Based Social Networks. Lecture Notes in Computer Science, 2014, , 470-479.	1.3	0
135	Easing Access for Novice Users in Multi-screen Mashups by Rule-Based Adaption. Lecture Notes in Computer Science, 2014, , 511-514.	1.3	0
136	StreamMyRelevance!. Lecture Notes in Computer Science, 2014, , 272-289.	1.3	0
137	Building Bridges between Diverse Identity Concepts Using WebID. Lecture Notes in Computer Science, 2014, , 498-502.	1.3	0
138	NeLMeS: Finding the Best Based on the People Available Leveraging the Crowd. Lecture Notes in Computer Science, 2015, , 687-690.	1.3	0
139	Conflict Resolution in Collaborative User Interface Mashups. Lecture Notes in Computer Science, 2015, , 659-662.	1.3	0
140	AttributeLinking: Exploiting Attributes for Inter-component Communication. Lecture Notes in Computer Science, 2016, , 157-161.	1.3	0
141	ICWE 2016 Rapid Mashup Challenge: Introduction. Communications in Computer and Information Science, 2017, , 1-9.	0.5	0
142	Challenge Outcome and Conclusion. Communications in Computer and Information Science, 2017, , 129-134.	0.5	0
143	Intelligent End User Development Platform Towards Enhanced Decision-Making. Lecture Notes in Computer Science, 2017, , 608-615.	1.3	0
144	Towards gait analysis - Creating a setup for the analyses under laboratory conditions. , 2019, , .		0

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145	DECENTRALIZING PRODUCTS CERTIFICATES USING BLOCKCHAIN TECHNOLOGY. , 2019, , .		0
146	MPCC. , 2019, , .		0
147	Component-Based Content Linking Beyond the Application. , 2007, , 427-441.		0
148	Web Accessibility Evaluation Via XSLT. , 2007, , 459-469.		0
149	VOISMA: Indoor Location Identification for Voice-based Smart Home. , 2021, , .		0