

# Marco Brambilla

## List of Publications by Year in descending order

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Version: 2024-02-01

188  
papers

2,311  
citations

430754

18  
h-index

360920

35  
g-index

210  
all docs

210  
docs citations

210  
times ranked

1604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Model-Driven Software Engineering in Practice. Synthesis Lectures on Software Engineering, 2012, 1, 1-182.	1.9	254
2	Model-Driven Software Engineering in Practice: Second Edition. Synthesis Lectures on Software Engineering, 2017, 3, 1-207.	1.9	147
3	Process modeling in Web applications. ACM Transactions on Software Engineering and Methodology, 2006, 15, 360-409.	4.8	116
4	Choosing the right crowd. , 2013, , .		94
5	Model-driven design and deployment of service-enabled web applications. ACM Transactions on Internet Technology, 2005, 5, 439-479.	3.0	89
6	Answering search queries with CrowdSearcher. , 2012, , .		78
7	Liquid query. , 2010, , .		49
8	Combining social web and BPM for improving enterprise performances. , 2012, , .		49
9	Model-driven development of user interfaces for IoT systems via domain-specific components and patterns. Journal of Internet Services and Applications, 2017, 8, .	1.6	47
10	Large-scale Model-Driven Engineering of web user interaction: The WebML and WebRatio experience. Science of Computer Programming, 2014, 89, 71-87.	1.5	45
11	Model-driven design and development of semantic Web service applications. ACM Transactions on Internet Technology, 2007, 8, 3.	3.0	44
12	BPMN and Design Patterns for Engineering Social BPM Solutions. Lecture Notes in Business Information Processing, 2012, , 219-230.	0.8	40
13	Exception handling in workflow-driven Web applications. , 2005, , .		39
14	Extending the Interaction Flow Modeling Language (IFML) for Model Driven Development of Mobile Applications Front End. Lecture Notes in Computer Science, 2014, , 176-191.	1.0	36
15	A Software Engineering Approach to Design and Development of Semantic Web Service Applications. Lecture Notes in Computer Science, 2006, , 172-186.	1.0	35
16	Reactive crowdsourcing. , 2013, , .		32
17	TripleWave: Spreading RDF Streams on the Web. Lecture Notes in Computer Science, 2016, , 140-149.	1.0	29
18	Extracting Emerging Knowledge from Social Media. , 2017, , .		28

#	ARTICLE	IF	CITATIONS
19	Model Driven Development Approaches for Mobile Applications: A Survey. Lecture Notes in Computer Science, 2016, , 93-107.	1.0	27
20	WebRatio 5: An Eclipse-Based CASE Tool for Engineering Web Applications. , 2007, , 501-505.		27
21	Business Process-Based Conceptual Design of Rich Internet Applications. , 2008, , .		26
22	The History of WebML Lessons Learned from 10 Years of Model-Driven Development of Web Applications. Lecture Notes in Computer Science, 2009, , 273-292.	1.0	26
23	Managing asynchronous Web services interactions. , 2004, , .		25
24	Web Information Retrieval. , 2013, , .		25
25	Web Applications Design and Development with WebML and WebRatio 5.0. Lecture Notes in Business Information Processing, 2008, , 392-411.	0.8	24
26	Analysing the cognitive effectiveness of the WebML visual notation. Software and Systems Modeling, 2017, 16, 195-227.	2.2	22
27	Models and Practices in Urban Data Science at Scale. Big Data Research, 2019, 17, 66-84.	2.6	22
28	The Role of Visual Tools in a Web Application Design and Verification Framework: A Visual Notation for LTL Formulae. Lecture Notes in Computer Science, 2005, , 557-568.	1.0	21
29	Designing Web Applications with Webml and Webratio. Human-computer Interaction Series, 2008, , 221-261.	0.4	20
30	MoScript: A DSL for Querying and Manipulating Model Repositories. Lecture Notes in Computer Science, 2012, , 180-200.	1.0	20
31	WebRatio BPM: A Tool for Designing and Deploying Business Processes on the Web. Lecture Notes in Computer Science, 2010, , 415-429.	1.0	18
32	Automatic code generation for cross-platform, multi-device mobile apps: some reflections from an industrial experience. , 2015, , .		17
33	Cognifying Model-Driven Software Engineering. Lecture Notes in Computer Science, 2018, , 154-160.	1.0	17
34	A Conceptual Modeling Approach to Business Service Mashup Development. , 2009, , .		16
35	Exploratory search framework for Web data sources. VLDB Journal, 2013, 22, 641-663.	2.7	16
36	RSPLab: RDF Stream Processing Benchmarking Made Easy. Lecture Notes in Computer Science, 2017, , 202-209.	1.0	16

#	ARTICLE	IF	CITATIONS
37	Textual and Content-Based Search in Repositories of Web Application Models. ACM Transactions on the Web, 2014, 8, 1-47.	2.0	15
38	A Notation for Supporting Social Business Process Modeling. Lecture Notes in Business Information Processing, 2011, , 88-102.	0.8	15
39	Ontology-Based Description and Discovery of Business Processes. Lecture Notes in Business Information Processing, 2009, , 85-98.	0.8	14
40	Model-Driven Development Based on OMG's IFML with WebRatio Web and Mobile Platform. Lecture Notes in Computer Science, 2015, , 605-608.	1.0	14
41	A Big Data Analysis Framework for Model-Based Web User Behavior Analytics. Lecture Notes in Computer Science, 2017, , 98-114.	1.0	12
42	Model-Driven Development of Social Network Enabled Applications with WebML and Social Primitives. Lecture Notes in Computer Science, 2012, , 41-55.	1.0	12
43	A CASE tool for modelling and automatically generating web service-enabled applications. International Journal of Web Engineering and Technology, 2006, 2, 354.	0.1	11
44	Model-Driven Development of Cross-Platform Mobile Applications with Web Ratio and IFML , 2015, , .		11
45	Comparison of different driving style analysis approaches based on trip segmentation over GPS information. , 2017, , .		11
46	Developing eBusiness Solutions with a Model Driven Approach: The Case of Acer EMEA. , 2007, , 539-544.		11
47	Model-driven design of service-enabled web applications. , 2005, , .		10
48	Generation of WebML web application models from business process specifications. , 2006, , .		10
49	Model-Driven Engineering of Service Orchestrations. , 2009, , .		10
50	A bottom-up, knowledge-aware approach to integrating and querying web data services. ACM Transactions on the Web, 2013, 7, 1-33.	2.0	10
51	Towards a model-driven approach for multiexperience AI-based user interfaces. Software and Systems Modeling, 2021, 20, 997-1009.	2.2	10
52	Extending Hypertext Conceptual Models with Process-Oriented Primitives. Lecture Notes in Computer Science, 2003, , 246-262.	1.0	10
53	Automatic Generation of Workflow-Extended Domain Models. Lecture Notes in Computer Science, 2007, , 375-389.	1.0	10
54	Search Computing: Managing Complex Search Queries. IEEE Internet Computing, 2010, 14, 14-22.	3.2	9

#	ARTICLE	IF	CITATIONS
55	A model-based method for seamless web and mobile experience. , 2016, , .		9
56	Domain expertise-agnostic feature selection for the analysis of breast cancer data*. Artificial Intelligence in Medicine, 2020, 108, 101928.	3.8	9
57	The role of social media in long-running live events: The case of the Big Four fashion weeks dataset. Data in Brief, 2021, 35, 106840.	0.5	9
58	A Transformation Framework to Bridge Domain Specific Languages to MDA. Lecture Notes in Computer Science, 2009, , 167-180.	1.0	9
59	The Contribution of Online Reviews for Quality Evaluation of Cultural Tourism Offers: The Experience of Italian Museums. Sustainability, 2021, 13, 13340.	1.6	9
60	Semantic personalization of web portal contents. , 2007, , .		8
61	Extending Conceptual Schemas with Business Process Information. Advances in Software Engineering, 2010, 2010, 1-22.	0.6	8
62	A Framework for Integrating, Exploring, and Searching Location-Based Web Data. IEEE Internet Computing, 2011, 15, 24-31.	3.2	8
63	Search computing. , 2011, , .		8
64	Integrating Modeling Languages and Web Logs for Enhanced User Behavior Analytics. , 2017, , .		8
65	Spatial Analysis of Social Media Response to Live Events. , 2017, , .		8
66	Content-based Classification of Political Inclinations of Twitter Users. , 2018, , .		8
67	Iterative Knowledge Extraction from Social Networks. , 2018, , .		8
68	Searching Repositories of Web Application Models. Lecture Notes in Computer Science, 2010, , 1-15.	1.0	8
69	Graph-Based Search over Web Application Model Repositories. Lecture Notes in Computer Science, 2011, , 90-104.	1.0	8
70	Vocabulary-based community detection and characterization. , 2019, , .		8
71	Declarative specification of Web applications exploiting Web services and workflows. , 2004, , .		7
72	Exploratory search in multi-domain information spaces with liquid query. , 2011, , .		7

#	ARTICLE	IF	CITATIONS
73	A revenue sharing mechanism for federated search and advertising. , 2012, , .		7
74	Better call the crowd: using crowdsourcing to shape the notation of domain-specific languages. , 2017, , .		7
75	Urbanscope: A Lens to Observe Language Mix in Cities. American Behavioral Scientist, 2017, 61, 774-793.	2.3	7
76	Visualization of Multi-domain Ranked Data. Lecture Notes in Computer Science, 2011, , 53-69.	1.0	7
77	Adjoint time domain method for fluorescent imaging in turbid media. Applied Optics, 2008, 47, 2303.	2.1	6
78	MVC-Webflow: An AJAX Tool for Online Modeling of MVC-2 Web Applications. , 2008, , .		6
79	The Smart Grid Semantic Platform: Synergy between IEC Common Information Model (CIM) and Big Data. , 2019, , .		6
80	Content-based characterization of online social communities. Information Processing and Management, 2020, 57, 102133.	5.4	6
81	Modeling Ontology-Driven Personalization of Web Contents. , 2008, , .		5
82	From requirements to implementation of ad-hoc social Web applications: an empirical pattern-based approach. IET Software, 2012, 6, 114.	1.5	5
83	Dissecting Design Effort and Drawing Effort in UML Modeling. , 2017, , .		5
84	Asynchronous Web Services Communication Patterns in Business Protocols. Lecture Notes in Computer Science, 2005, , 435-442.	1.0	5
85	Tool Support for Model Checking of Web Application Designs. , 2007, , 533-538.		5
86	Modelling Safe Interface Interactions in Web Applications. Lecture Notes in Computer Science, 2009, , 387-400.	1.0	5
87	Tools Supporting Search Computing Application Development. Lecture Notes in Computer Science, 2011, , 169-181.	1.0	5
88	Chapter 14: Building Search Computing Applications. Lecture Notes in Computer Science, 2010, , 268-290.	1.0	5
89	Measuring Controversy in Social Networks Through NLP. Lecture Notes in Computer Science, 2020, , 194-209.	1.0	5
90	Constraint tuning and management for web applications. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
91	Extending WebML towards semantic web. , 2007, , .		4
92	Information Exploration in Search Computing. Lecture Notes in Computer Science, 2011, , 10-25.	1.0	4
93	Community-based crowdsourcing. , 2014, , .		4
94	Tailoring software architecture concepts and process for mobile application development. , 2015, , .		4
95	Alternatives to gas flaring: a multi-criteria decision approach applied to a case study in Russia. International Journal of Sustainable Engineering, 2016, 9, 154-169.	1.9	4
96	A multi-perspective approach for analyzing long-running live events on social media. A case study on the "Big Four" international fashion weeks. Online Social Networks and Media, 2021, 24, 100140.	2.3	4
97	Comparison: Mediation on WebML/WebRatio and jABC/jETI. Semantic Web and Beyond, 2009, , 153-166.	0.1	4
98	Building Semantic Web Portals with WebML. , 2007, , 312-327.		4
99	Trends in Search Interaction. Lecture Notes in Computer Science, 2011, , 26-32.	1.0	4
100	The Anatomy of a Multi-domain Search Infrastructure. Lecture Notes in Computer Science, 2011, , 1-12.	1.0	4
101	Pharos. , 2009, , .		4
102	Participation Inequality and the 90-9-1 Principle in Open Source. , 2020, , .		4
103	Depth dependence of estimated optical properties of a scattering inclusion by time-resolved contrast functions. Optics Express, 2008, 16, 17667.	1.7	3
104	Engineering search computing applications. , 2009, , .		3
105	Model-Driven Design of Audiovisual Indexing Processes for Search-Based Applications. , 2009, , .		3
106	Content-based search of model repositories with graph matching techniques. , 2011, , .		3
107	Special issue on structured and crowd-sourced data on the Web. VLDB Journal, 2013, 22, 587-588.	2.7	3
108	Adaptive and Interoperable Crowdsourcing. IEEE Internet Computing, 2015, 19, 36-44.	3.2	3

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109	An Explorative Approach for Crowdsourcing Tasks Design. , 2015, , .		3
110	On the quest for changing knowledge. , 2016, , .		3
111	Analysis of Online User Behaviour for Art and Culture Events. Lecture Notes in Computer Science, 2017, , 219-236.	1.0	3
112	Analyzing and Predicting the US Midterm Elections on Twitter with Recurrent Neural Networks. , 2018, , .		3
113	The Problem of Data Cleaning for Knowledge Extraction from Social Media. Lecture Notes in Computer Science, 2018, , 115-125.	1.0	3
114	Human Computation for Organizations: Socializing Business Process Management. , 2013, , 255-264.		3
115	Personal, Social and Event Organization Through Web and Mobile Apps: The Fluxedo Case. Lecture Notes in Computer Science, 2015, , 609-612.	1.0	3
116	Chapter 13: Liquid Queries and Liquid Results in Search Computing. Lecture Notes in Computer Science, 2010, , 244-267.	1.0	3
117	Assigning users to domains of interest based on content and network similarity with champion instances. , 2019, , .		3
118	Ontological Description and Similarity-Based Discovery of Business Process Models. International Journal of Information System Modeling and Design, 2011, 2, 47-66.	0.9	3
119	Exception Management Within Web Applications Implementing Business Processes. Lecture Notes in Computer Science, 2006, , 101-120.	1.0	3
120	A Tool for Model-Driven Design of Rich Internet Applications Based on AJAX. , 2010, , 96-118.		3
121	Model-driven Development of User Interfaces for IoT Systems via Domain-specific Components and Patterns. , 2017, , .		3
122	Applying Web-based Networking Protocols and Software Architectures for providing adaptivity, personalization, and remotization features to Industrial Human Machine Interface Applications. International Conference on Advanced Networking and Applications, 2007, , .	0.0	2
123	WebML and Glue: An Integrated Discovery Approach for the SWS Challenge. , 2007, , .		2
124	Model-Driven Development and Business Process Modeling Applied to Personal Productivity in the Consumer Mobile App Market. , 2015, , .		2
125	An empirical study on simplification of business process modeling languages. , 2015, , .		2
126	On Development Practices for End Users. Lecture Notes in Computer Science, 2011, , 192-200.	1.0	2



#	ARTICLE	IF	CITATIONS
127	Extending Search to Crowds: A Model-Driven Approach. Lecture Notes in Computer Science, 2012, , 207-222.	1.0	2
128	Implementation of applications specified with IFML. , 2015, , 279-334.		2
129	Exception Handling Within Workflow-Based Web Applications. Lecture Notes in Computer Science, 2004, , 103-117.	1.0	2
130	Search Computing: A Model-Driven Perspective. Lecture Notes in Computer Science, 2010, , 1-15.	1.0	2
131	A Service-Based Architecture for Multi-domain Search on the Web. Lecture Notes in Computer Science, 2010, , 663-669.	1.0	2
132	Search Computing Systems. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 1-6.	0.2	2
133	Brand community analysis on social networks using graph representation learning. , 2019, , .		2
134	Analyzing rich-club behavior in open source projects. , 2019, , .		2
135	Integration of a human face annotation technology in an audio-visual search engine platform. , 2010, , .		1
136	Web Data Management through Crowdsourcing Upon Social Networks. , 2012, , .		1
137	Tools for model-driven development of interactive applications. , 2015, , 335-358.		1
138	How Twitter reveals Cities within Cities. , 2016, , .		1
139	EFSG: Evolutionary Fooling Sentences Generator. , 2021, , .		1
140	Experiences in the Design of Semantic Services Using Web Engineering Methods and Tools. Lecture Notes in Computer Science, 2008, , 1-31.	1.0	1
141	Platform-Independence in Model-Driven Development of Graphical User Interfaces for Multiple Devices. Communications in Computer and Information Science, 2014, , 180-195.	0.4	1
142	Conceptual Modeling of Multimedia Search Applications Using Rich Process Models. Lecture Notes in Computer Science, 2009, , 315-329.	1.0	1
143	Diversification for Multi-domain Result Sets. Lecture Notes in Computer Science, 2012, , 137-152.	1.0	1
144	Designing Exploratory Search Applications upon Web Data Sources. Data-centric Systems and Applications, 2012, , 61-77.	0.2	1

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145	Semantic Search. , 2013, , 181-206.		1
146	Harvesting Knowledge from Social Networks: Extracting Typed Relationships Among Entities. Lecture Notes in Computer Science, 2018, , 223-227.	1.0	1
147	A User Modeling Pipeline for Studying Polarized Political Events in Social Media. Lecture Notes in Computer Science, 2018, , 101-114.	1.0	1
148	Generation of Realistic Navigation Paths for Web Site Testing Using Recurrent Neural Networks and Generative Adversarial Neural Networks. Lecture Notes in Computer Science, 2020, , 244-258.	1.0	1
149	A Software Engineering Approach based on WebML and BPMN to the Mediation Scenario of the SWS Challenge. Semantic Web and Beyond, 2009, , 51-70.	0.1	1
150	Towards Access Control Models for Conversational User Interfaces. Lecture Notes in Business Information Processing, 2022, , 310-317.	0.8	1
151	Time-resolved scanning system for double reflectance and transmittance fluorescence imaging of small animals. Proceedings of SPIE, 2007, , .	0.8	0
152	Data and web management research at Politecnico di Milano. SIGMOD Record, 2007, 36, 43-48.	0.7	0
153	WebML and Glue: An Integrated Discovery Approach for the SWS Challenge. , 2007, , .		0
154	Special Session: Multimedia Indexing for Content Based Search. , 2009, , .		0
155	Diversification for multi-domain result sets. , 2011, , .		0
156	Welcome to the fourth international workshop on search-driven development: Users, Infrastructures, Tools, and Evaluation (SUITE 2012). , 2012, , .		0
157	Search upon UML repositories with text matching techniques. , 2012, , .		0
158	Multimedia Search. , 2013, , 207-221.		0
159	Domain modeling. , 2015, , 25-50.		0
160	IFML by examples. , 2015, , 233-277.		0
161	Modeling and Analyzing Engagement in Social Network Challenges. Lecture Notes in Computer Science, 2016, , 140-154.	1.0	0
162	Modeling, Modeling, Modeling: From Web to Enterprise to Crowd to Social. Studies in Big Data, 2018, , 235-251.	0.8	0

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163	A note on intelligent exploration of semantic data. <i>Semantic Web</i> , 2019, 10, 525-527.	1.1	0
164	Design Abstractions for Innovative Web Applications: The Case of the SOA Augmented with Semantics. <i>Lecture Notes in Computer Science</i> , 2007, , 4-15.	1.0	0
165	Model-Driven Development of Audio-Visual Web Search Applications: The PHAROS Demonstration. <i>Lecture Notes in Computer Science</i> , 2009, , 513-517.	1.0	0
166	Model-based service-oriented architectures for Internetworked Enterprises. , 2010, , 61-96.		0
167	Tools for Modeling and Generating Safe Interface Interactions in Web Applications. <i>Lecture Notes in Computer Science</i> , 2010, , 482-485.	1.0	0
168	Model-Based Dynamic and Adaptive Visualization for Multi-domain Search Results. <i>Lecture Notes in Computer Science</i> , 2011, , 367-370.	1.0	0
169	Search Computing: Addressing Complex Search on the Web. , 2011, , 1-15.		0
170	Exploratory Multi-domain Search on Web Data Sources with Liquid Queries. <i>Lecture Notes in Computer Science</i> , 2011, , 363-366.	1.0	0
171	A Constraint Programming Approach to Automatic Layout Definition for Search Results. <i>Lecture Notes in Computer Science</i> , 2011, , 371-374.	1.0	0
172	Mobile Multi-domain Search over Structured Web Data. <i>Lecture Notes in Computer Science</i> , 2012, , 98-110.	1.0	0
173	Extracting Information from Google Fusion Tables. <i>Lecture Notes in Computer Science</i> , 2012, , 53-67.	1.0	0
174	An Incentive-compatible Revenue-sharing Mechanism for the Economic Sustainability of Multi-domain Search Based on Advertising. <i>Lecture Notes in Computer Science</i> , 2012, , 240-254.	1.0	0
175	Recommendation and Diversification for the Web. , 2013, , 111-120.		0
176	Ontological Description and Similarity-Based Discovery of Business Process Models. , 2013, , 30-50.		0
177	Advertising in Search. , 2013, , 121-133.		0
178	Enriching Live Event Participation with Social Network Content Analysis and Visualization. <i>Lecture Notes in Computer Science</i> , 2014, , 159-170.	1.0	0
179	IFML in a Nutshell. , 2015, , 9-24.		0
180	IFML extensions. , 2015, , 137-166.		0

#	ARTICLE	IF	CITATIONS
181	IFML language design, execution, and integration. , 2015, , 359-380.		0
182	Modeling patterns. , 2015, , 167-231.		0
183	Modeling business actions. , 2015, , 115-136.		0
184	Modeling the composition of the user interface. , 2015, , 51-76.		0
185	Modeling interface content and navigation. , 2015, , 77-114.		0
186	The SKA dish local monitoring and control system user interface. , 2018, , .		0
187	Ontological Description and Similarity-Based Discovery of Business Process Models. , 0, , 846-866.		0
188	Comparison: Mediation Solutions of WSMOLX and WebML/WebRatio. Semantic Web and Beyond, 2009, , 141-152.	0.1	0