Tiziana Catarci

List of Publications by Year
in descending order

109 papers	1,719 citations	394421 19 h-index	361022 35 g-index
121 all docs	121 docs citations	121 times ranked	1021 citing authors

#	Article	IF	Citations
1	Visual Query Systems for Databases: A Survey. Journal of Visual Languages and Computing, 1997, 8, 215-260.	1.8	253
2	QBD*: a graphical query language with recursion. IEEE Transactions on Software Engineering, 1990, 16, 1150-1163.	5.6	126
3	A unified methodology for the evaluation of accessibility and usability of mobile applications. Universal Access in the Information Society, 2010, 9, 337-356.	3.0	81
4	Pervasive Software Environments for Supporting Disaster Responses. IEEE Internet Computing, 2008, 12, 26-37.	3.3	66
5	Digital memories in an era of ubiquitous computing and abundant storage. Communications of the ACM, 2006, 49, 44-50.	4.5	64
6	Emergent Semantics Principles and Issues. Lecture Notes in Computer Science, 2004, , 25-38.	1.3	52
7	Appropriating Heuristic Evaluation for Mobile Computing. International Journal of Mobile Human Computer Interaction, 2009, 1, 20-41.	0.4	48
8	Big Data Semantics. Journal on Data Semantics, 2018, 7, 65-85.	2.0	47
9	Query by diagram: A fully visual query system. Journal of Visual Languages and Computing, 1990, 1, 255-273.	1.8	45
10	What happened when database researchers met usability. Information Systems, 2000, 25, 177-212.	3.6	45
11	A graph-based framework for multiparadigmatic visual access to databases. IEEE Transactions on Knowledge and Data Engineering, 1996, 8, 455-475.	5.7	44
12	Fundamental graphical primitives for visual query languages. Information Systems, 1993, 18, 75-98.	3.6	41
13	Trusting Data Quality in Cooperative Information Systems. Lecture Notes in Computer Science, 2003, , 354-369.	1.3	39
14	Managing Data Quality in Cooperative Information Systems. Lecture Notes in Computer Science, 2002, , 486-502.	1.3	33
15	Query representation and management in a multiparadigmatic visual query environment. Journal of Intelligent Information Systems, 1994, 3, 299-330.	3.9	25
16	Vulnus: Visual Vulnerability Analysis for Network Security. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 183-192.	4.4	23
17	Emergent Semantics Systems. Lecture Notes in Computer Science, 2004, , 14-43.	1.3	23
18	Visual Query Systems. Journal of Visual Languages and Computing, 1996, 7, 243-245.	1.8	22

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19	A proposal toward the development of accessible e-learning content by human involvement. Universal Access in the Information Society, 2006, 5, 150-169.	3.0	22
20	VidaMine: a visual data mining environment. Journal of Visual Languages and Computing, 2004, 15, 37-67.	1.8	21
21	The assignment heuristic for crossing reduction. IEEE Transactions on Systems, Man, and Cybernetics, 1995, 25, 515-521.	0.9	20
22	Driving usability into the public administration: the Italian experience. International Journal of Human Computer Studies, 2002, 57, 121-138.	5.6	20
23	BilVideo: a video database management system. IEEE MultiMedia, 2003, 10, 66-70.	1.7	19
24	Designing Mobile Systems in Highly Dynamic Scenarios: The WORKPAD Methodology. Knowledge, Technology and Policy: the International Journal of Knowledge Transfer and Utilization, 2009, 22, 25-43.	0.5	19
25	MailOfMine â€" Analyzing Mail Messages for Mining Artful Collaborative Processes. Lecture Notes in Business Information Processing, 2012, , 55-81.	1.0	18
26	Graphical interaction with heterogeneous databases. VLDB Journal, 1997, 6, 97-120.	4.1	16
27	The ESTEEM platform: enabling P2P semantic collaboration through emerging collective knowledge. Journal of Intelligent Information Systems, 2011, 36, 167-195.	3.9	15
28	Database Benchmarking for Supporting Real-Time Interactive Querying of Large Data. , 2020, , .		15
29	From the web of data to a world of action. Web Semantics, 2010, 8, 394-408.	2.9	14
30	Effective automated Object Matching. , 2010, , .		14
31	Design, realization and user evaluation of the SmartVortex Visual Query System for accessing data streams in industrial engineering applications. Journal of Visual Languages and Computing, 2014, 25, 577-601.	1.8	14
32	The WORKPAD User Interface and Methodology: Developing Smart and Effective Mobile Applications for Emergency Operators. Lecture Notes in Computer Science, 2009, , 343-352.	1.3	14
33	Comparative Ease of Use of a Diagrammatic Vs. an Iconic Query Language. , 1996, , .		14
34	Intelligent context-sensitive interactions on desktop and the web. , 2006, , .		13
35	Surveying Human Habit Modeling and Mining Techniques in Smart Spaces. Future Internet, 2019, 11, 23.	3.8	13
36	Viewpoints on Emergent Semantics. Lecture Notes in Computer Science, 2006, , 1-27.	1.3	13

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37	Evaluating Visual Data Analysis Systems. , 2018, , .		12
38	Visual metaphors for interacting with databases. ACM SIGCHI Bulletin, 1995, 27, 15-17.	0.1	11
39	Supporting cognitive walkthrough with video data. , 2005, , .		10
40	Task-Centred Information Management. , 2007, , 197-206.		10
41	Formalizing visual interaction with historical databases. Information Systems, 2002, 27, 487-521.	3.6	9
42	The DaQuinCIS Broker: Querying Data and Their Quality in Cooperative Information Systems. Lecture Notes in Computer Science, 2003, , 208-232.	1.3	9
43	Scaffolding the design of accessible eLearning content: a user-centered approach and cognitive perspective. Cognitive Processing, 2008, 9, 209-216.	1.4	9
44	My (fair) big data. , 2017, , .		9
45	Measuring the Learnability of Interactive Systems Using a Petri Net Based Approach. , 2018, , .		9
46	CyberVR. , 2020, , .		9
47	Interacting with databases in the global information infrastructure. , 1997, 35, 72-76.		8
48	Emergent Semantics in Distributed Knowledge Management. Studies in Computational Intelligence, 2008, , 201-220.	0.9	8
49	Conceptual language for statistical data modeling. Data and Knowledge Engineering, 1995, 17, 93-125.	3.4	7
50	Semantic Query Processing in the VENUS Environment. International Journal of Cooperative Information Systems, 1997, 06, 151-192.	0.8	7
51	WORKPAD: 2-Layered Peer-to-Peer for Emergency Management through Adaptive Processes. , 2006, , .		7
52	UEMan: A tool to manage user evaluation in development environments. , 2009, , .		7
53	Advances in Data Management in the Big Data Era. IFIP Advances in Information and Communication Technology, 2021, , 99-126.	0.7	7
54	Visualization of Multi-domain Ranked Data. Lecture Notes in Computer Science, 2011, , 53-69.	1.3	7

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55	A Hypergraph-based Framework for Visual Interaction with Databases. Journal of Visual Languages and Computing, 1995, 6, 135-166.	1.8	6
56	Usability and public administration. , 2000, , .		6
57	A dynamic framework for multi-view task modeling. , 2011, , .		6
58	A model-based approach to ongoing product evaluation. , 2012, , .		6
59	Interaction-Based Adaptation for Small Screen Devices. Lecture Notes in Computer Science, 2005, , 277-281.	1.3	6
60	Enabling Symbiotic Autonomy in Short-Term Interactions: A User Study. Lecture Notes in Computer Science, 2016, , 796-807.	1.3	6
61	Visual Query Specification and Interaction with Industrial Engineering Data. Lecture Notes in Computer Science, 2013, , 58-67.	1.3	6
62	The Sapienza Digital Library from the Holistic Vision to the Actual Implementation. Procedia Computer Science, 2014, 38, 4-11.	2.0	5
63	Who is Willing to Help Robots? A User Study on Collaboration Attitude. International Journal of Social Robotics, 2020, 12, 589-598.	4.6	5
64	GRASP: A graphical system for statistical databases. Lecture Notes in Computer Science, 1990, , 148-162.	1.3	5
65	Query by diagram. SIGMOD Record, 1994, 23, 515.	1.2	4
66	Information visualization. SIGMOD Record, 1996, 25, 14-15.	1.2	4
67	WAG: WEB-AT-A-GLANCE. International Journal of Cooperative Information Systems, 1998, 07, 187-214.	0.8	4
68	The prototype of the DARE system. , 2001, , .		4
69	Smart Homes for All: Collaborating Services in a for-All Architecture for Domotics. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 56-69.	0.3	4
70	Emergent Semantics and Cooperation in Multi-knowledge Communities: the ESTEEM Approach. World Wide Web, 2010, 13, 3-31.	4.0	4
71	Process-Aware Enactment of Clinical Guidelines through Multimodal Interfaces. Computers, 2019, 8, 67.	3.3	4
72	User Evaluation Support Through Development Environment for Agile Software Teams. Lecture Notes in Information Systems and Organisation, 2014, , 183-191.	0.6	4

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73	Foreword from the New JDIQ Editor-in-Chief. Journal of Data and Information Quality, 2018, 9, 1-2.	2.1	4
74	A light-weight Web-at-a-Glance system for intelligent information retrieval. Knowledge-Based Systems, 1998, 11, 115-124.	7.1	3
75	User-Centered Data Management. Synthesis Lectures on Data Management, 2010, 2, 1-106.	0.6	3
76	Visual Modeling of Temporal Data in Usability Experiments. , 1998, , 295-316.		3
77	The Design of an Authoring Interface to Make eLearning Content Accessible. Lecture Notes in Computer Science, 2005, , 1100-1103.	1.3	3
78	Interaction with databases. IEEE Computer Graphics and Applications, 1996, 16, 67-69.	1.2	2
79	DARE: a multidimensional environment for visualizing large set of medical data. , 0, , .		2
80	Quality of service specification in video databases. IEEE MultiMedia, 2003, 10, 71-81.	1.7	2
81	A Visual Data Mining Environment. Lecture Notes in Computer Science, 2008, , 331-366.	1.3	2
82	A Survey of Context-Aware Cross-Digital Library Personalization. Lecture Notes in Computer Science, 2011, , 16-30.	1.3	2
83	Task-based User-System Interaction. KI - Kunstliche Intelligenz, 2012, 26, 141-149.	3.2	2
84	Visualization of Multidimensional Sensor Data in Industrial Engineering. , 2013, , .		2
85	From Consensus to Innovation. Evolving Towards Crowd-based User-Centered Design. International Journal of Human-Computer Interaction, 2020, 36, 1460-1475.	4.8	2
86	An Approach to Identifying What Has Gone Wrong in a User Interaction. Lecture Notes in Computer Science, 2019, , 361-370.	1.3	2
87	A Peer-to-Peer Service Supporting Data Quality: Design and Implementation Issues. Lecture Notes in Computer Science, 2004, , 321-322.	1.3	2
88	Emerging issues in visual interfaces. Knowledge Engineering Review, 1999, 14, 175-179.	2.6	1
89	The prototype of the DARE system. SIGMOD Record, 2001, 30, 609.	1.2	1
90	The WORKPAD P2P Service-Oriented Infrastructure for Emergency Management. , 2007, , .		1

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91	Multi-channel Adaptive Information Systems. World Wide Web, 2007, 10, 345-347.	4.0	1
92	Guest editorial: special issue on metadata management. VLDB Journal, 2008, 17, 1345-1346.	4.1	1
93	Smart Homes Infrastructures and Interactions (SHII 2009). , 2009, , .		1
94	CLEF 2012. ACM SIGIR Forum, 2012, 46, 29-33.	0.5	1
95	Pushing the Boundaries of the Digital Libraries Field: Preface IRCDL 2014. Procedia Computer Science, 2014, 38, 1-3.	2.0	1
96	IVAN: An Interactive Herlofsonâ€™s Nomogram Visualizer for Local Weather Forecast. Computers, 2019, 8, 53.	3.3	1
97	Visual Query Language. , 2009, , 3399-3405.		1
98	Web Rendering Systems: Techniques, Classification Criteria and Challenges. , 2003, , 63-89.		1
99	ViZCom. , 2015, , .		1
100	Recourse for Guiding Didactical Creators in the Development of Accessible e-Learning Material. Lecture Notes in Computer Science, 2004, , 615-619.	1.3	1
101	Accessibility and Usability Evaluation of MAIS Designer: A New Design Tool for Mobile Services. Lecture Notes in Computer Science, 2007, , 275-284.	1.3	1
102	The Visual Side of the Data. Studies in Big Data, 2018, , 3-25.	1.1	1
103	Measuring and Diffusing Data Quality in a Peer-to-Peer Architecture. International Journal of Enterprise Information Systems, 2007, 3, 61-84.	1.0	0
104	PROMISE winter school 2012 information retrieval meets information visualization. ACM SIGIR Forum, 2012, 46, 65-70.	0.5	0
105	Visual Query Language. , 2017, , 1-8.		0
106	Visual Query Languages for Data Stream. , 2017, , 1-5.		0
107	Visual Query Languages for Data Stream. , 2018, , 4538-4542.		0
108	Visual Query Language. , 2018, , 4531-4538.		0

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109	Design and Implementation of a Peer-to-Peer Data Quality Broker. , 2006, , 289-300.		0