Giuliana Vitiello

List of Publications by Year
in descending order

92	767	686830 13	713013 21
papers	citations	h-index	g-index

103	103	103	429
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Class point: an approach for the size estimation of object-oriented systems. IEEE Transactions on Software Engineering, 2005, 31, 52-74.	4.3	86
2	Effort estimation modeling techniques. , 2006, , .		35
3	Training emergency responders through augmented reality mobile interfaces. Multimedia Tools and Applications, 2016, 75, 9609-9622.	2.6	32
4	Information Sharing Among Disaster Responders - An Interactive Spreadsheet-Based Collaboration Approach. Computer Supported Cooperative Work, 2014, 23, 547-583.	1.9	30
5	Combining personal diaries with territorial intelligence to empower diabetic patients. Journal of Visual Languages and Computing, 2015, 29, 1-14.	1.8	28
6	A chorem-based approach for visually analyzing spatial data. Journal of Visual Languages and Computing, 2011, 22, 173-193.	1.8	23
7	The Tap and Slide Keyboard: A New Interaction Method for Mobile Device Text Entry. International Journal of Human-Computer Interaction, 2014, 30, 935-945.	3.3	22
8	Digital Knowledge Ecosystem for Achieving Sustainable Agriculture Production: A Case Study from Sri Lanka. , 2016, , .		20
9	The Metaphor GIS Query Language. Journal of Visual Languages and Computing, 2000, 11, 439-454.	1.8	19
10	A chorem-based approach for visually synthesizing complex phenomena. Information Visualization, 2008, 7, 253-264.	1.2	19
11	Framy â€“ visualising geographic data on mobile interfaces. Journal of Location Based Services, 2008, 2, 236-252.	1.4	19
12	Empirical validation of an automatic usability evaluation method. Journal of Visual Languages and Computing, 2015, 28, 1-22.	1.8	19
13	Planning and Managing the Integrated Water System: A Spatial Decision Support System to Analyze the Infrastructure Performances. Sustainability, 2020, 12, 6432.	1.6	16
14	User centered scenario based approach for developing mobile interfaces for Social Life Networks. , 2012, , .		15
15	Supporting the on-site emergency management through a visualisation technique for mobile devices. Journal of Location Based Services, 2010, 4, 222-239.	1.4	13
16	Potentialities of Chorems as Visual Summaries of Geographic Databases Contents. Lecture Notes in Computer Science, 2007, , 537-548.	1.0	12
17	A multilevel learning management system. , 2002, , .		11
18	Phenomena â€“ A visual environment for querying heterogenous spatial data. Journal of Visual Languages and Computing, 2009, 20, 420-436.	1.8	11

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19	AI at the Edge for Sign Language Learning Support. , 2019, , .		11
20	A Citizen-Centric Approach for the Improvement of Territorial Services Management. ISPRS International Journal of Geo-Information, 2020, 9, 223.	1.4	11
21	Dependability issues in visualâ€“haptic interfaces. Journal of Visual Languages and Computing, 2010, 21, 33-40.	1.8	10
22	Do you like my outfit?. , 2018, , .		10
23	Interplay of Requirements Engineering and Human Computer Interaction Approaches in the Evolution of a Mobile Agriculture Information System. Lecture Notes in Computer Science, 2016, , 135-159.	1.0	10
24	Phenomena. , 2003, , .		9
25	Experimenting with a Fog-computing Architecture for Indoor Navigation. , 2019, , .		9
26	Spatial data and mobile applications. , 2012, , .		8
27	Building Social Life Networks Through Mobile Interfaces: The Case Study of Sri Lanka Farmers. Lecture Notes in Information Systems and Organisation, 2013, , 399-408.	0.4	8
28	An Ontology Based Approach for Data Model Construction Supporting the Management and Planning of the Integrated Water Service. Lecture Notes in Computer Science, 2019, , 243-252.	1.0	8
29	Socially Assistive Robotics combined with Artificial Intelligence for ADHD. , 2021, , .		8
30	An IoT-Based Mobile System for Safety Monitoring of Lone Workers. IoT, 2021, 2, 476-497.	2.3	8
31	The Framy user interface for visually-impaired users. , 2011, , .		7
32	Improving Human Ground Control Performance in Unmanned Aerial Systems. Future Internet, 2021, 13, 188.	2.4	7
33	User requirements for a web based spreadsheet-mediated collaboration. , 2010, , .		6
34	ProSign Everywhere - Addressing Communication Empowerment Goals for Deaf People. , 2019, , .		6
35	Interaction Design Patterns for Augmented Reality Fitting Rooms. Sensors, 2022, 22, 982.	2.1	6
36	UX-Requirements for Patient's Empowerment â€" The Case of Multiple Pharmacological Treatments: A Case Study of IT Support to Chronic Disease Management. , 2017, , .		5

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37	ProSign+ A Cloud-Based Platform Supporting Inclusiveness in Public Communication. , 2020, , .		5
38	Embedding Google Maps APIs into WebRatio for the Automatic Generation of Web GIS Applications. Lecture Notes in Computer Science, 2008, , 259-270.	1.0	5
39	Tag@Map: A Web-Based Application for Visually Analyzing Geographic Information through Georeferenced Tag Clouds. Lecture Notes in Computer Science, 2012, , 72-81.	1.0	5
40	LINK2U: Connecting Social Network Users through Mobile Interfaces. Lecture Notes in Computer Science, 2010, , 583-594.	1.0	5
41	Design science research based blended approach for usability driven requirements gathering and application development. , 2014, , .		4
42	An OpenGISÂ®-Based Approach to Define Continuous Field Data Within a Visual Environment. Lecture Notes in Computer Science, 2006, , 83-93.	1.0	4
43	A Visual Query Language for Spatial Data Warehouses. Lecture Notes in Geoinformation and Cartography, 2010, , 43-60.	0.5	4
44	A WebML-Based Approach for the Development of Web GIS Applications. Lecture Notes in Computer Science, 2007, , 385-397.	1.0	4
45	Sign Language Interactive Learning - Measuring the User Engagement. Lecture Notes in Computer Science, 2020, , 3-12.	1.0	4
46	Living Labs andÂOpen Innovation toÂSupport Local Development Policies. Communications in Computer and Information Science, 2022, , 339-350.	0.4	4
47	Dealing with geographic continuous fields. , 2004, , .		3
48	A COSMIC-FFP Based Method to Estimate Web Application Development Effort. Lecture Notes in Computer Science, 2004, , 161-165.	1.0	3
49	Integrating Discrete and Continuous Data in an OpenGeospatial-Compliant Specification. Transactions in GIS, 2010, 14, 731-753.	1.0	3
50	A Collaborative Environment for Spreadsheet-Based Activities. , 2010, , .		3
51	Human-Centered Design of a Personal Medication Assistant - Putting Polypharmacy Management into Patientâ€™s Hand!. Lecture Notes in Computer Science, 2017, , 685-699.	1.0	3
52	Interactive Maps of Chorems Explaining Urban Contexts to Align Smart Communityâ€™s Actors. Lecture Notes in Computer Science, 2021, , 549-564.	1.0	3
53	TactCube: Designing Mobile Interactions with Ambient Intelligence. Lecture Notes in Computer Science, 2021, , 599-609.	1.0	3
54	Monitoring Electromagnetic Pollution: A GIS-Based Visual Approach. Lecture Notes in Computer Science, 2001, , 90-101.	1.0	3

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55	SAFE (Safety for Families in Emergency). Lecture Notes in Computer Science, 2019, , 424-437.	1.0	3
56	Standard-Based Integration of W3C and GeoSpatial Services: Quality Challenges. Lecture Notes in Computer Science, 2014, , 460-469.	1.0	3
57	Extending the OpenGeospatialsâ„— Specification for Managing Discrete and Continuous Time Dependent Data. Lecture Notes in Geoinformation and Cartography, 2007, , 265-285.	0.5	3
58	ICT for Small to Medium Enterprises: Focus on Usability for a Web-Based Spreadsheet Mediated Collaboration Environment. , 2012, , 181-188.		3
59	A Framework for Community-Oriented Mobile Interaction Design in Emerging Regions. Lecture Notes in Computer Science, 2013, , 342-351.	1.0	3
60	Designing usable interfaces for the Industry 4.0. , 2020, , .		3
61	A Change in Perspective About Artificial Intelligence Interactive Systems Design: Human Centric, Yes, But Not Limited to. Lecture Notes in Computer Science, 2021, , 381-390.	1.0	3
62	GRAMMATICAL INFERENCE FOR THE AUTOMATIC GENERATION OF VISUAL LANGUAGES. International Journal of Software Engineering and Knowledge Engineering, 1999, 09, 467-493.	0.6	2
63	Introduction to the special issue on multimodal interaction through haptic feedback. Journal of Visual Languages and Computing, 2009, 20, 285-286.	1.8	2
64	Spatial data visualization on mobile interface - A usability study. , 2013, , .		2
65	OLAPing Field Data: a Theoretical and Implementation Framework. Fundamenta Informaticae, 2014, 132, 267-290.	0.3	2
66	Geo-education as a Valuable Support to Children with Learning Difficulties. Lecture Notes in Computer Science, 2021, , 62-71.	1.0	2
67	Multimodal Interfaces. , 2009, , 1838-1843.		2
68	Human Machine Interface Issues for Drone Fleet Management. Advances in Intelligent Systems and Computing, 2019, , 791-796.	0.5	2
69	GI2NK Geographic Information: Need to Know Towards a More Demand-Driven Geospatial Workforce Education/Training System. Lecture Notes in Computer Science, 2016, , 561-572.	1.0	2
70	Spatial Factors Affecting Userâ€™s Perception in Map Simplification: An Empirical Analysis. Lecture Notes in Computer Science, 2008, , 152-163.	1.0	2
71	Advanced Maintenance Simulation by Means of Hand-Based Haptic Interfaces. Lecture Notes in Computer Science, 2009, , 76-88.	1.0	2
72	The Therapeutic Use of Humanoid Robots for Behavioral Disorders. , 2020, , .		2

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73	Framy â€“ Visualizing Spatial Query Results on Mobile Interfaces. , 2007, , 175-186.		2
74	Towards a new approach to query search engines: the Search Tree visual language. Software - Practice and Experience, 2010, 40, 735-750.	2.5	1
75	The importance of empowerment goals in elderly-centered interaction design. , 2018, , .		1
76	Maps4Learning: Enacting Geo-Education to Enhance Student Achievement. IEEE Access, 2020, 8, 87633-87646.	2.6	1
77	Visual Synthesis of Evolutionary Emergency Scenarios. Lecture Notes in Business Information Processing, 2016, , 85-97.	0.8	1
78	Creating Territorial Intelligence Through a Digital Knowledge Ecosystem: A Way to Actualize Farmer Empowerment. Lecture Notes in Computer Science, 2017, , 98-111.	1.0	1
79	Wearable Interfaces and Advanced Sensors to Enhance Firefighters Safety in Forest Fires. , 2020, , .		1
80	Practicing Mobile Interface Design Principles Through the Use of HCI Design Patternsâ€”A Training Strategy. Lecture Notes in Information Systems and Organisation, 2016, , 187-198.	0.4	1
81	Multimodal Interfaces. , 2018, , 2413-2419.		1
82	The Predicate Tree â€“ A Metaphor for Visually Describing Complex Boolean Queries. , 2007, , 524-536.		1
83	The Making of Accessible Android Applications: An Empirical Study on the State of the Practice. , 2020, , .		1
84	Searching geographic resources through metadata-based queries for expert user communities. , 2007, , .		0
85	A perception based selection of vector map LoDs for progressive transmission. , 2011, , .		0
86	OGC-to-W3C Services: A Wrapper-Based Solution for Geospatial Metadata Exchange. Geosciences (Switzerland), 2018, 8, 227.	1.0	0
87	L.U.N.A. Ads â€“ Sustaining Wireless Access for Mobile Users. Lecture Notes in Computer Science, 2008, , 155-166.	1.0	0
88	Querying Spatial and Temporal Data by Condition Tree: Two Examples Based on Environmental Issues. Lecture Notes in Computer Science, 2013, , 241-252.	1.0	0
89	A Mobile Visual Technique to Support Civil Protection in Risk Analysis. Lecture Notes in Computer Science, 2014, , 760-769.	1.0	0
90	Overcoming the Digital Divide in Europe: Letâ€™s Learn from Emerging Countries!. Lecture Notes in Information Systems and Organisation, 2015, , 209-220.	0.4	0

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91	The Use of Augmented Reality Interfaces for On-site Crisis Preparedness. Lecture Notes in Computer Science, 2015, , 136-147.	1.0	0
92	TactCube: An Intelligent Device to â€˜converseâ€™ with Smart Environments. Sensors, 2022, 22, 5235.	2.1	0