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	Interaction Design Patterns for Augmented Reality Fitting Rooms. Sensors, 2022, 22, 982.	2.1	6
2	Living Labs andÂOpen Innovation toÂSupport Local Development Policies. Communications in Computer and Information Science, 2022, , 339-350.	0.4	4
3	TactCube: An Intelligent Device to â€˜converseâ€™ with Smart Environments. Sensors, 2022, 22, 5235.	2.1	0
4	Socially Assistive Robotics combined with Artificial Intelligence for ADHD. , 2021, , .		8
5	Interactive Maps of Chorems Explaining Urban Contexts to Align Smart Communityâ€™s Actors. Lecture Notes in Computer Science, 2021, , 549-564.	1.0	3
6	Geo-education as a Valuable Support to Children with Learning Difficulties. Lecture Notes in Computer Science, 2021, , 62-71.	1.0	2
7	TactCube: Designing Mobile Interactions with Ambient Intelligence. Lecture Notes in Computer Science, 2021, , 599-609.	1.0	3
8	Improving Human Ground Control Performance in Unmanned Aerial Systems. Future Internet, 2021, 13, 188.	2.4	7
9	An IoT-Based Mobile System for Safety Monitoring of Lone Workers. IoT, 2021, 2, 476-497.	2.3	8
10	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
11	Planning and Managing the Integrated Water System: A Spatial Decision Support System to Analyze the Infrastructure Performances. Sustainability, 2020, 12, 6432.	1.6	16
12	A Citizen-Centric Approach for the Improvement of Territorial Services Management. ISPRS International Journal of Geo-Information, 2020, 9, 223.	1.4	11
13	Maps4Learning: Enacting Geo-Education to Enhance Student Achievement. IEEE Access, 2020, 8, 87633-87646.	2.6	1
14	ProSign+ A Cloud-Based Platform Supporting Inclusiveness in Public Communication. , 2020, , .		5
15	Wearable Interfaces and Advanced Sensors to Enhance Firefighters Safety in Forest Fires. , 2020, , .		1
16	The Therapeutic Use of Humanoid Robots for Behavioral Disorders. , 2020, , .		2
17	Designing usable interfaces for the Industry 4.0. , 2020, , .		3
18	Sign Language Interactive Learning - Measuring the User Engagement. Lecture Notes in Computer Science, 2020, , 3-12.	1.0	4

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19	The Making of Accessible Android Applications: An Empirical Study on the State of the Practice. , 2020, , .		1
20	Experimenting with a Fog-computing Architecture for Indoor Navigation. , 2019, , .		9
21	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
22	ProSign Everywhere - Addressing Communication Empowerment Goals for Deaf People. , 2019, , .		6
23	AI at the Edge for Sign Language Learning Support. , 2019, , .		11
24	Human Machine Interface Issues for Drone Fleet Management. Advances in Intelligent Systems and Computing, 2019, , 791-796.	0.5	2
25	SAFE (Safety for Families in Emergency). Lecture Notes in Computer Science, 2019, , 424-437.	1.0	3
26	Do you like my outfit?. , 2018, , .		10
27	The importance of empowerment goals in elderly-centered interaction design. , 2018, , .		1
28	OGC-to-W3C Services: A Wrapper-Based Solution for Geospatial Metadata Exchange. Geosciences (Switzerland), 2018, 8, 227.	1.0	0
29	Multimodal Interfaces. , 2018, , 2413-2419.		1
30	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
31	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
32	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
33	Digital Knowledge Ecosystem for Achieving Sustainable Agriculture Production: A Case Study from Sri Lanka. , 2016, , .		20
34	Training emergency responders through augmented reality mobile interfaces. Multimedia Tools and Applications, 2016, 75, 9609-9622.	2.6	32
35	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
36	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

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37	Visual Synthesis of Evolutionary Emergency Scenarios. Lecture Notes in Business Information Processing, 2016, , 85-97.	0.8	1
38	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
39	Empirical validation of an automatic usability evaluation method. Journal of Visual Languages and Computing, 2015, 28, 1-22.	1.8	19
40	Combining personal diaries with territorial intelligence to empower diabetic patients. Journal of Visual Languages and Computing, 2015, 29, 1-14.	1.8	28
41	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
42	The Use of Augmented Reality Interfaces for On-site Crisis Preparedness. Lecture Notes in Computer Science, 2015, , 136-147.	1.0	0
43	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
44	OLAPing Field Data: a Theoretical and Implementation Framework. Fundamenta Informaticae, 2014, 132, 267-290.	0.3	2
45	Design science research based blended approach for usability driven requirements gathering and application development. , 2014, , .		4
46	Information Sharing Among Disaster Responders - An Interactive Spreadsheet-Based Collaboration Approach. Computer Supported Cooperative Work, 2014, 23, 547-583.	1.9	30
47	Standard-Based Integration of W3C and GeoSpatial Services: Quality Challenges. Lecture Notes in Computer Science, 2014, , 460-469.	1.0	3
48	A Mobile Visual Technique to Support Civil Protection in Risk Analysis. Lecture Notes in Computer Science, 2014, , 760-769.	1.0	0
49	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
50	Spatial data visualization on mobile interface - A usability study. , 2013, , .		2
51	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
52	A Framework for Community-Oriented Mobile Interaction Design in Emerging Regions. Lecture Notes in Computer Science, 2013, , 342-351.	1.0	3
53	Spatial data and mobile applications. , 2012, , .		8
54	User centered scenario based approach for developing mobile interfaces for Social Life Networks. , 2012, , .		15

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55	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
56	ICT for Small to Medium Enterprises: Focus on Usability for a Web-Based Spreadsheet Mediated Collaboration Environment. , 2012, , 181-188.		3
57	The Framy user interface for visually-impaired users. , 2011, , .		7
58	A chorem-based approach for visually analyzing spatial data. Journal of Visual Languages and Computing, 2011, 22, 173-193.	1.8	23
59	A perception based selection of vector map LoDs for progressive transmission. , 2011, , .		0
60	Dependability issues in visualâ€“haptic interfaces. Journal of Visual Languages and Computing, 2010, 21, 33-40.	1.8	10
61	Towards a new approach to query search engines: the Search Tree visual language. Software - Practice and Experience, 2010, 40, 735-750.	2.5	1
62	Integrating Discrete and Continuous Data in an OpenGeospatial-Compliant Specification. Transactions in GIS, 2010, 14, 731-753.	1.0	3
63	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
64	User requirements for a web based spreadsheet-mediated collaboration. , 2010, , .		6
65	A Collaborative Environment for Spreadsheet-Based Activities. , 2010, , .		3
66	A Visual Query Language for Spatial Data Warehouses. Lecture Notes in Geoinformation and Cartography, 2010, , 43-60.	0.5	4
67	LINK2U: Connecting Social Network Users through Mobile Interfaces. Lecture Notes in Computer Science, 2010, , 583-594.	1.0	5
68	Phenomena â€“ A visual environment for querying heterogenous spatial data. Journal of Visual Languages and Computing, 2009, 20, 420-436.	1.8	11
69	Introduction to the special issue on multimodal interaction through haptic feedback. Journal of Visual Languages and Computing, 2009, 20, 285-286.	1.8	2
70	Multimodal Interfaces. , 2009, , 1838-1843.		2
71	Advanced Maintenance Simulation by Means of Hand-Based Haptic Interfaces. Lecture Notes in Computer Science, 2009, , 76-88.	1.0	2
72	A chorem-based approach for visually synthesizing complex phenomena. Information Visualization, 2008, 7, 253-264.	1.2	19

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73	Framy â€“ visualising geographic data on mobile interfaces. Journal of Location Based Services, 2008, 2, 236-252.	1.4	19
74	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
75	Spatial Factors Affecting Userâ€™s Perception in Map Simplification: An Empirical Analysis. Lecture Notes in Computer Science, 2008, , 152-163.	1.0	2
76	L.U.N.A. Ads â€“ Sustaining Wireless Access for Mobile Users. Lecture Notes in Computer Science, 2008, , 155-166.	1.0	0
77	Searching geographic resources through metadata-based queries for expert user communities. , 2007, , .		0
78	Extending the OpenGeospatialsâ„— Specification for Managing Discrete and Continuous Time Dependent Data. Lecture Notes in Geoinformation and Cartography, 2007, , 265-285.	0.5	3
79	Potentialities of Chorems as Visual Summaries of Geographic Databases Contents. Lecture Notes in Computer Science, 2007, , 537-548.	1.0	12
80	A WebML-Based Approach for the Development of Web GIS Applications. Lecture Notes in Computer Science, 2007, , 385-397.	1.0	4
81	The Predicate Tree â€“ A Metaphor for Visually Describing Complex Boolean Queries. , 2007, , 524-536.		1
82	Framy â€“ Visualizing Spatial Query Results on Mobile Interfaces. , 2007, , 175-186.		2
83	Effort estimation modeling techniques. , 2006, , .		35
84	An OpenGISÂ®-Based Approach to Define Continuous Field Data Within a Visual Environment. Lecture Notes in Computer Science, 2006, , 83-93.	1.0	4
85	Class point: an approach for the size estimation of object-oriented systems. IEEE Transactions on Software Engineering, 2005, 31, 52-74.	4.3	86
86	Dealing with geographic continuous fields. , 2004, , .		3
87	A COSMIC-FFP Based Method to Estimate Web Application Development Effort. Lecture Notes in Computer Science, 2004, , 161-165.	1.0	3
88	Phenomena. , 2003, , .		9
89	A multilevel learning management system. , 2002, , .		11
90	Monitoring Electromagnetic Pollution: A GIS-Based Visual Approach. Lecture Notes in Computer Science, 2001, , 90-101.	1.0	3

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91	The Metaphor GIS Query Language. Journal of Visual Languages and Computing, 2000, 11, 439-454.	1.8	19
92	GRAMMATICAL INFERENCE FOR THE AUTOMATIC GENERATION OF VISUAL LANGUAGES. International Journal of Software Engineering and Knowledge Engineering, 1999, 09, 467-493.	0.6	2