

Gabriele Bernardini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5927835/publications.pdf>

Version: 2024-02-01

67
papers

1,141
citations

393982

19
h-index

433756

31
g-index

72
all docs

72
docs citations

72
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaving or Sheltering? a Simulation-Based Comparison of Flood Evacuation Strategies in Urban Built Environments. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 113-123.	0.5	2
2	Flood Risk of Open Spaces: From Microscale Factors of Built Environment to Risk Reduction Strategies. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 159-169.	0.5	0
3	Combining Structural and Non-structural Risk-reduction Measures to Improve Evacuation Safety in Historical Built Environments. <i>International Journal of Architectural Heritage</i> , 2022, 16, 820-838.	1.7	4
4	Automatic detection of maintenance requests: Comparison of Human Manual Annotation and Sentiment Analysis techniques. <i>Automation in Construction</i> , 2022, 134, 104068.	4.8	12
5	How distant? An experimental analysis of studentsâ€™ COVID-19 exposure and physical distancing in university buildings. <i>International Journal of Disaster Risk Reduction</i> , 2022, 70, 102752.	1.8	10
6	Methods, techniques, and tools for assessing the seismic vulnerability of building stocks. , 2022, , 229-247.		0
7	Emergency and evacuation management strategies in earthquakes: towards holistic and user-centered methodologies for their design and evaluation. , 2022, , 275-321.		1
8	Flood Resilience and Adaptation in the Built Environment: How Far along Are We?. <i>Sustainability</i> , 2022, 14, 4096.	1.6	7
9	Simplified flood evacuation simulation in outdoor built environments. Preliminary comparison between setup-based generic software and custom simulator. <i>Sustainable Cities and Society</i> , 2022, 81, 103848.	5.1	4
10	Factors Influencing the Intrinsic Seismic Risk of Open Spaces in Existing Built Environments: A Systematic Review. <i>Sustainability</i> , 2022, 14, 42.	1.6	6
11	Urban morphology parameters towards multi-risk scenarios for squares in the historical centers: Analyses and definition of square typologies and application to the Italian context. <i>Journal of Cultural Heritage</i> , 2022, 56, 167-182.	1.5	5
12	Risk Reduction Strategies against Terrorist Acts in Urban Built Environments: Towards Sustainable and Human-Centred Challenges. <i>Sustainability</i> , 2021, 13, 901.	1.6	12
13	Cognitive Buildings for Increasing Elderly Fire Safety in Public Buildings: Design and First Evaluation of a Low-Impact Dynamic Wayfinding System. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 101-119.	0.3	1
14	A probabilistic model to evaluate the effectiveness of main solutions to COVID-19 spreading in university buildings according to proximity and time-based consolidated criteria. <i>Building Simulation</i> , 2021, 14, 1795-1809.	3.0	31
15	How to create seismic risk scenarios in historic built environment using rapid data collection and managing. <i>Journal of Cultural Heritage</i> , 2021, 48, 93-105.	1.5	12
16	Human stability during floods: Experimental tests on a physical model simulating human body. <i>Safety Science</i> , 2021, 137, 105153.	2.6	9
17	How urban layout and pedestrian evacuation behaviours can influence flood risk assessment in riverine historic built environments. <i>Sustainable Cities and Society</i> , 2021, 70, 102876.	5.1	24
18	Built Environment Typologies Prone to Risk: A Cluster Analysis of Open Spaces in Italian Cities. <i>Sustainability</i> , 2021, 13, 9457.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Assessing the flood risk to evacuees in outdoor built environments and relative risk reduction strategies. <i>International Journal of Disaster Risk Reduction</i> , 2021, 64, 102493.	1.8	9
20	Sustainable and resilient strategies for touristic cities against COVID-19: An agent-based approach. <i>Safety Science</i> , 2021, 142, 105399.	2.6	13
21	Terrorist acts and pedestrians' behaviours: First insights on European contexts for evacuation modelling. <i>Safety Science</i> , 2021, 143, 105405.	2.6	20
22	Seismic risk of Open Spaces in Historic Built Environments: A matrix-based approach for emergency management and disaster response. <i>International Journal of Disaster Risk Reduction</i> , 2021, 65, 102552.	1.8	10
23	Morphological Systems of Open Spaces in Built Environment Prone to Sudden-Onset Disasters. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 321-331.	0.5	6
24	Occupants' Behavioral Analysis for the Optimization of Building Operation and Maintenance: A Case Study to Improve the Use of Elevators in a University Building. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 207-217.	0.5	1
25	Understanding Human Behaviors in Earthquakes to Improve Safety in Built Environment: A State of the Art on Sustainable and Validated Investigation Tools. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 297-307.	0.5	0
26	Sustainable planning of seismic emergency in historic centres through semeiotic tools: Comparison of different existing methods through real case studies. <i>Sustainable Cities and Society</i> , 2020, 52, 101834.	5.1	9
27	Towards the simulation of flood evacuation in urban scenarios: Experiments to estimate human motion speed in floodwaters. <i>Safety Science</i> , 2020, 123, 104563.	2.6	38
28	Integrating human behaviour and building vulnerability for the assessment and mitigation of seismic risk in historic centres: Proposal of a holistic human-centred simulation-based approach. <i>International Journal of Disaster Risk Reduction</i> , 2020, 43, 101392.	1.8	18
29	Sustainable fruition as a preventive conservation strategy for hypogeum artefacts. <i>Journal of Cultural Heritage</i> , 2020, 46, 235-243.	1.5	6
30	How to Account for the Human Motion to Improve Flood Risk Assessment in Urban Areas. <i>Water (Switzerland)</i> , 2020, 12, 1316.	1.2	6
31	Internal Insulation of Historic Buildings: A Stochastic Approach to Life Cycle Costing Within RIBuild EU Project. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 349-359.	0.5	1
32	Towards a User-Centered and Condition-Based Approach in Building Operation and Maintenance. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 327-337.	0.5	5
33	Combining Conservation and Visitors' Fruition for Sustainable Building Heritage Use: Application to a Hypogeum. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 269-279.	0.5	2
34	Towards a user-centered framework to support proactive Building Operation and Maintenance: preliminary results of a communication platform between users and stakeholders. <i>TeMa</i> , 2020, Vol.6 (2020), .	0.1	0
35	Flooding Pedestrians' Evacuation in Historical Urban Scenario: A Tool for Risk Assessment Including Human Behaviors. <i>RILEM Bookseries</i> , 2019, , 1152-1161.	0.2	6
36	Investigating Exposure in Historical Scenarios: How People Behave in Fires, Earthquakes and Floods. <i>RILEM Bookseries</i> , 2019, , 1138-1151.	0.2	4

#	ARTICLE	IF	CITATIONS
37	Proposing behavior-oriented strategies for earthquake emergency evacuation: A behavioral data analysis from New Zealand, Italy and Japan. <i>Safety Science</i> , 2019, 116, 295-309.	2.6	47
38	Rapid tools for assessing building heritage's seismic vulnerability: a preliminary reliability analysis. <i>Journal of Cultural Heritage</i> , 2019, 39, 130-139.	1.5	13
39	New Indices for the Existing City-Centers Streets Network Reliability and Availability Assessment in Earthquake Emergency. <i>International Journal of Architectural Heritage</i> , 2018, 12, 153-168.	1.7	14
40	Evacuation paths in historic city centres: A holistic methodology for assessing their seismic risk. <i>International Journal of Disaster Risk Reduction</i> , 2018, 31, 698-710.	1.8	23
41	Earthquake building debris estimation in historic city centres: From real world data to experimental-based criteria. <i>International Journal of Disaster Risk Reduction</i> , 2018, 31, 281-291.	1.8	33
42	Fire Safety of Historical Buildings. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , .	0.2	7
43	Application to a Case Study: Fire Safety in Historical Theaters. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , 77-104.	0.2	0
44	Fire Safety and Building Heritage: The Occupants Perspective. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , 7-43.	0.2	1
45	Flooding risk in existing urban environment: from human behavioral patterns to a microscopic simulation model. <i>Energy Procedia</i> , 2017, 134, 131-140.	1.8	31
46	Dynamic guidance tool for a safer earthquake pedestrian evacuation in urban systems. <i>Computers, Environment and Urban Systems</i> , 2017, 65, 150-161.	3.3	32
47	Cruise ships like buildings: Wayfinding solutions to improve emergency evacuation. <i>Building Simulation</i> , 2017, 10, 989-1003.	3.0	25
48	A preliminary combined simulation tool for the risk assessment of pedestriansâ€™ flood-induced evacuation. <i>Environmental Modelling and Software</i> , 2017, 96, 14-29.	1.9	51
49	Comparing real and predicted window use in offices. A POE-based assessment. <i>Energy Procedia</i> , 2017, 134, 141-150.	1.8	5
50	Design of a smart system for indoor climate control in historic underground built environment. <i>Energy Procedia</i> , 2017, 134, 518-527.	1.8	7
51	How to simulate pedestrian behaviors in seismic evacuation for vulnerability reduction of existing buildings. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
52	How to Help Elderly in Indoor Evacuation Wayfinding: Design and Test of a Not-Invasive Solution for Reducing Fire Egress Time in Building Heritage Scenarios. <i>Lecture Notes in Electrical Engineering</i> , 2017, , 209-222.	0.3	5
53	How to Increase Occupants Safety with No Architectural Modifications: Defining Effective Wayfinding Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , 45-75.	0.2	0
54	Fire exit signs: The use of neurological activity analysis for quantitative evaluations on their perceptiveness in a virtual environment. <i>Fire Safety Journal</i> , 2016, 82, 63-75.	1.4	22

#	ARTICLE	IF	CITATIONS
55	Intelligent evacuation guidance systems for improving fire safety of Italian-style historical theatres without altering their architectural characteristics. <i>Journal of Cultural Heritage</i> , 2016, 22, 1006-1018.	1.5	42
56	Fire safety in Italian-style historical theatres: How photoluminescent wayfinding can improve occupants' evacuation with no architecture modifications. <i>Journal of Cultural Heritage</i> , 2016, 19, 492-501.	1.5	31
57	Towards a "behavioural design" approach for seismic risk reduction strategies of buildings and their environment. <i>Safety Science</i> , 2016, 86, 273-294.	2.6	78
58	Urban scenarios modifications due to the earthquake: ruins formation criteria and interactions with pedestrians' evacuation. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 1071-1101.	2.3	20
59	Towards creating a combined database for earthquake pedestrians' evacuation models. <i>Safety Science</i> , 2016, 82, 77-94.	2.6	80
60	Design and experimental evaluation of an interactive system for pre-movement time reduction in case of fire. <i>Automation in Construction</i> , 2015, 52, 16-28.	4.8	36
61	Evacuation Aid for Elderly in Care Homes and Hospitals: An Interactive System for Reducing Pre-movement Time in Case of Fire. <i>Biosystems and Biorobotics</i> , 2015, , 169-178.	0.2	2
62	Earthquake Emergencies Management by Means of Semantic-Based Internet of Things. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015, , 318-327.	0.2	1
63	An Agent-based Model for Earthquake Pedestrians' Evacuation Simulation in Urban Scenarios. <i>Transportation Research Procedia</i> , 2014, 2, 255-263.	0.8	32
64	EPES " Earthquake pedestrians' evacuation simulator: A tool for predicting earthquake pedestrians' evacuation in urban outdoor scenarios. <i>International Journal of Disaster Risk Reduction</i> , 2014, 10, 153-177.	1.8	56
65	Agent-based model for earthquake pedestrians' evacuation in urban outdoor scenarios: Behavioural patterns definition and evacuation paths choice. <i>Safety Science</i> , 2014, 62, 450-465.	2.6	116
66	Multi-Agent Simulation Model for Evacuation of Care Homes and Hospitals for Elderly and People with Disabilities in Motion. , 2014, , 197-204.		5
67	An Experimental Study on the Correlation Between "Attachment to Belongings" and "Pre-movement" Time. , 2014, , 167-178.		10