Sonia Giovinazzi

List of Publications by Year
in descending order

44	1,183	623188	433756
papers	citations	14 h-index	31 g-index

46	46	46	1087
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preventing and Managing Risks Induced by Natural Hazards to Critical Infrastructures. Infrastructures, 2022, 7, 76.	1.4	3
2	Seismic Risk Simulations of a Water Distribution Network in Southern Italy. Lecture Notes in Computer Science, 2021, , 655-664.	1.0	3
3	REAL-TIME ASSESSMENT OF PERFORMANCE INDICATORS FOR BRIDGES TO SUPPORT ROAD NETWORK MANAGEMENT IN THE AFTERMATHS OF EARTHQUAKE EVENTS. , 2021, , .		3
4	Operational Resilience Metrics for Complex Inter-Dependent Electrical Networks. Applied Sciences (Switzerland), 2021, 11, 5842.	1.3	4
5	Assessing Earthquake Impacts and Monitoring Resilience of Historic Areas: Methods for GIS Tools. ISPRS International Journal of Geo-Information, 2021, 10, 461.	1.4	16
6	A Technological System for Post-Earthquake Damage Scenarios Based on the Monitoring by Means of an Urban Seismic Network. Sensors, 2021, 21, 7887.	2.1	7
7	Earthquake damage assessment of masonry churches: proposal for rapid and detailed forms and derivation of empirical vulnerability curves. Bulletin of Earthquake Engineering, 2019, 17, 3327-3364.	2.3	21
8	Earthquake Simulation on Urban Areas: Improving Contingency Plans by Damage Assessment. Lecture Notes in Computer Science, 2019, , 72-83.	1.0	4
9	A Decision Support System for mitigating the seismic risk of electric distribution networks: learnings from the Central Italy earthquake sequence 2016â€“2017. , 2019, , .		0
10	Performance of the healthcare facilities during the 2016â€“2017 Central Italy seismic sequence. Bulletin of Earthquake Engineering, 2019, 17, 5701-5727.	2.3	23
11	Towards the Resilience Assessment of Electric Distribution System to Earthquakes and Adverse Meteorological Conditions. , 2018, , .		8
12	Potential of Satellite Remote Sensing to Monitor Vulnerablity of Buildings to Earthquakes Within a Semi-Empirical Macroseismic Approach. , 2018, , .		2
13	Post-earthquake assessment and management for infrastructure systems: learning from the Canterbury (New Zealand) and Lâ€™Aquila (Italy) earthquakes. Bulletin of Earthquake Engineering, 2017, 15, 589-620.	2.3	29
14	Seismic performance of buried electrical cables: evidence-based repair rates and fragility functions. Bulletin of Earthquake Engineering, 2017, 15, 3151-3181.	2.3	19
15	Optimising design decision-making for steel structures in fire using a hybrid analysis technique. Fire Safety Journal, 2017, 91, 532-541.	1.4	9
16	Group-analytic network process for balancing stakeholder views on fire protection of steel-framed buildings. Journal of Multi-Criteria Decision Analysis, 2017, 24, 162-176.	1.0	2
17	Predictive models for post disaster shelter needs assessment. International Journal of Disaster Risk Reduction, 2017, 21, 44-62.	1.8	41
18	Evaluating simplified methods for liquefaction assessment for loss estimation. Natural Hazards and Earth System Sciences, 2017, 17, 781-800.	1.5	8

#	Article	IF	Citations
19	A Geospatial Decision Support Tool for Seismic Risk Management: Florence (Italy) Case Study. Lecture Notes in Computer Science, 2017, , 278-293.	1.0	14
20	Towards a Decision Support Tool for Assessing, Managing and Mitigating Seismic Risk of Electric Power Networks. Lecture Notes in Computer Science, 2017, , 399-414.	1.0	12
21	Resilience and fragility of the telecommunication network to seismic events. Bulletin of the New Zealand Society for Earthquake Engineering, 2017, 50, 318-328.	0.2	15
22	Criticality of infrastructures for organisations. International Journal of Critical Infrastructures, 2016, 12, 331.	0.1	9
23	Critical success factors for post-disaster infrastructure recovery. Disaster Prevention and Management, 2016, 25, 685-700.	0.6	20
24	Post-earthquake performance indicators for sewerage systems. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2016, 169, 74-84.	0.4	3
25	A group-AHP decision analysis for the selection of applied fire protection to steel structures. Fire Safety Journal, 2016, 86, 95-105.	1.4	40
26	Earthquake-altered flooding hazard induced by damage to storm water systems. Sustainable and Resilient Infrastructure, 2016, 1, 14-31.	1.7	9
27	Criticality of infrastructures for organisations. International Journal of Critical Infrastructures, 2016, 12, 331.	0.1	2
28	Pipelines at Bridge Crossings: Empirical-Based Seismic Vulnerability Index. , 2015, , .		1
29	Identifying Seismic Vulnerability Factors for Wastewater Pipelines after the Canterbury (NZ) Earthquake Sequence 2010â€“2011. , 2015, , .		3
30	Seismic Fragility Functions for Sewerage Pipelines. , 2015, , .		4
31	Factors influencing impacts on and recovery trends of organisations: evidence from the 2010/2011 Canterbury earthquakes. International Journal of Disaster Risk Reduction, 2015, 14, 56-72.	1.8	54
32	Balancing stakeholder views for decision-making in steel structural fire design. , 2015, , .		3
33	An inventory of unreinforced masonry churches in New Zealand. Bulletin of the New Zealand Society for Earthquake Engineering, 2015, 48, 170-189.	0.2	16
34	Damage to Buildings: Modeling. , 2015, , 506-524.		0
35	New Zealand contributions to the Global Earthquake Modelâ€™s Earthquake Consequences Database (GEMECD). Bulletin of the New Zealand Society for Earthquake Engineering, 2015, 48, 245-263.	0.2	0
36	The Effectiveness of Existing Methodologies for Predicting Electrical Substation Damage Due to Earthquakes in New Zealand. , 2014, , .		3

#	Article	IF	Citations
37	Resilience of the Canterbury Hospital System to the 2011 Christchurch Earthquake. Earthquake Spectra, 2014, 30, 533-554.	1.6	118
38	Damage to Infrastructure: Modeling. , 2014, , 1-14.		1
39	Performance of the Lâ€™Aquila (central Italy) gas distribution network in the 2009 () Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 2447-2466.	2.3	27
40	Wastewater Network Restoration Following the Canterbury, NZ Earthquake Sequence: Turning Post-Earthquake Recovery into Resilience Enhancement. , 2013, , .		10
41	Lifelines performance and management following the 22 February 2011 Christchurch earthquake, New Zealand. Bulletin of the New Zealand Society for Earthquake Engineering, 2011, 44, 402-417.	0.2	47
42	Geotechnical hazard representation for seismic risk analysis. Bulletin of the New Zealand Society for Earthquake Engineering, 2009, 42, 221-234.	0.2	8
43	Macroseismic and mechanical models for the vulnerability and damage assessment of current buildings. Bulletin of Earthquake Engineering, 2006, 4, 415-443.	2.3	554
44	Modeling Resilience in Electrical Distribution Networks. , 0, , .		7