

Relevant publications of members of Internal Curriculum Committee of RRENIB

Risk and resilience studies related to Anthropic activities

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- Pirlone F., Spadaro I., Candia S. (2020). More Resilient Cities to Face Higher Risks. The Case of Genoa. Sustainability 2020, 12(12), 4825; <https://doi.org/10.3390/su12124825>
- Pirlone, F., & Spadaro, I. (2020). The resilient city and adapting to the health emergency. TeMA - Journal of Land Use, Mobility and Environment, 305-314. <https://doi.org/10.6092/1970-9870/6856>
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- Candia S., Pirlone F., Spadaro I. (2019) “Sustainable urban mobility and urban safety and security. Case study: the city centre of Genoa”, in “Urban Transport”, WIT Transactions on The Built Environment, Vol 182, Ortega Riejos F.A. (eds), WIT Press, UK, ISBN 978-1-78466-299-8, pp. 187-198
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- Palla A., Gnecco I., La Barbera P. (2018) Assessing the hydrologic performance of a green roof retrofitting scenario for a small urban catchment. Water (Switzerland)10(8),1052. doi: 10.3390/w10081052
- Zhang S., Solari, G., Yang Q., Repetto M.P. (2018) Extreme wind speed distribution in a mixed wind climate Journal of Wind Engineering and Industrial Aerodynamics, 176, pp. 239-253. Elsevier B.V. - ISSN: 01676105 - DOI: 10.1016/j.jweia.2018.03.019

- Marzocchi R., Leotta M., Federici B., Delzanno G. (2017) The NARVALO project: real time collision avoidance system in a GIS environment based on precise GNSS positioning. *GEAM Geingegneria Ambientale e Mineraria*, Anno LIV, n. 2, pp. 33-38.
- Candia S., Pirlone F. (2016) “*MSW: from pollution/degradation source to resource”, *Tema Journal of Land Use, Mobility and Environment*, vol. 9, n.2, ISSN 1970-9889 - on line ISSN 1970-9870, /pp. 305-322/
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Risk and resilience studies related to Natural hazard

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- Berardi R., Cambiaggi L. (2020). Prediction of slope movement effects on churches for the development of a fragility curve approach. In *Geotechnical Research for Land Protection and Development. Lecture Notes in Civil Engineering*, (Calvetti F., Cotecchia F. et al. eds), vol 40. Springer, Cham, First Online 23 June 2019, Print ISBN978-3-030-21358-9, Online ISBN978-3-030-21359-6, DOI: https://doi.org/10.1007/978-3-030-21359-6_9, pp. 82-91.
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- Barbieri L, Massabò R, Berggreen C. (2018) The effects of shear and near tip deformations on interface fracture of symmetric sandwich beams. *Eng Fract Mech* 2018;201:298–321. doi:10.1016/j.engfracmech.2018.06
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Risk and resilience studies related to Industrial activities

- Fabiano, B., Reverberi, A.P., Varbanov, P.S. (2019) Safety opportunities for the synthesis of metal nanoparticles and short-cut approach to workplace risk evaluation. *Journal of Cleaner Production*, 209, pp. 297-308. DOI: 10.1016/j.jclepro.2018.10.161
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Tools for surveying and mapping risk and resilience assessments

- Gagliolo S., Fagandini R., Passoni D., Federici B., Ferrando I., Pagliari D., Pinto L., Sguerso D. (2018) Parameter optimization for creating reliable photogrammetric models in emergency scenarios. *Applied Geomatics*, 10(4), pp. 501-514, Springer Berlin Heidelberg, ISSN 1866-9298.
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