

Publications

2023

M. Lorenzo, P. Pezzutto, F. De Lillo, F. M. Ventrella, F. De Vita, P. Ruol, F. Bosia and M. Onorato, Attenuating surface gravity waves by an array of submerged resonators: an experimental study ^[1], arXiv preprint arXiv:2303.12646, 2023.

M. Lorenzo, P. Pezzutto, F. De Lillo, F. M. Ventrella, F. De Vita, P. Ruol, F. Bosia and M. Onorato, An experimental study on a tethered floating metamaterial breakwater to attenuate surface gravity waves in a shallow water environment ^[2], EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023, EGU23-13657.

2021

F. De Vita, F. De Lillo, R. Verzicco and M. Onorato, A fully Eulerian solver for the simulation of multiphase flows with solid bodies: application to surface gravity waves ^[3], Journal of computational physics 438, 110355, ISSN 0021-9991.

F. De Vita, F. De Lillo, F. Bosia, and M. Onorato, Attenuating surface gravity waves with mechanical metamaterials ^[4], Physics of Fluids 33, 047113 (2021).

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[1] <http://doi.org/10.48550/arXiv.2303.12646>

[2] <https://doi.org/10.5194/egusphere-egu23-13657>

[3] <https://doi.org/10.1016/j.jcp.2021.110355>

[4] <https://doi.org/10.1063/5.0048613>