

Abrégé	Auteurs	Titre de l'article	Nom du journal	Références (volume, pages)	Années	Hyperlien
Apolonia et al., 2021	Apolonia M., Fofack-Garcia R., Noble D.R., Hodges J. & Correia da Fonseca F.X.	Legal and political barriers and enablers to the deployment of marine renewable energy	Energies	Vol. 14, 4896	2021	<a href="https://doi.org/10.3390/en14164896">https://doi.org/10.3390/en14164896</a>
Correia da Fonseca et al., 2021	Correia da Fonseca F.X., Amaral L. & Chainho P.	A Decision Support Tool for Long-Term Planning of Marine Operations in Ocean Energy Projects	Journal of Marine Science and Engineering	Vol. 9, 810	2021	<a href="https://doi.org/10.3390/jmse9080810">https://doi.org/10.3390/jmse9080810</a>
Kerr et al., 2021	Kerr P., Noble D.R., Hodges J. & Jeffrey H.	Implementing Radical Innovation in Renewable Energy Experience Curves	Energies	Vol. 14, 2364	2021	<a href="https://doi.org/10.3390/en14092364">https://doi.org/10.3390/en14092364</a>
Makassi et al., 2021	Makassi Z., Garnier B., El Moctar A.O. & Schoefs F.	Caractérisation thermique du biofouling autour d'un câble électrique dynamique sous-marin	Actes du Congrès Français de Thermique 2021	8 p.	2021	<a href="https://doi.org/10.25855/SFT2021-038">https://doi.org/10.25855/SFT2021-038</a>
Marty et al., 2021	Marty A., Berhaut C., Damblans G., Facq J.V., Gaurier B., Germain G., Soulard T. & Schoefs F.	Experimental study of hard marine growth effect on the hydrodynamical behaviour of a submarine cable	Applied Ocean Research	Vol. 114, 102810	2021	<a href="https://doi.org/10.1016/j.apor.2021.102810">https://doi.org/10.1016/j.apor.2021.102810</a>
Marty et al., 2021	Marty A., Schoefs F., Soulard T., Berhaut C., Facq J.-V., Gaurier B. & Germain G.	Effect of roughness of mussels on cylinder forces from a realistic shape modelling	Journal of Marine Science and Engineering	Vol. 9, 598	2021	<a href="https://doi.org/10.3390/jmse9060598">https://doi.org/10.3390/jmse9060598</a>
Roberts et al., 2021	Roberts O., Henderson J.C., Garcia-Teruel A., Noble D.R., Tunga I., Hodges J., Jeffrey H., & Hurst T.	Bringing Structure to the Wave Energy Innovation Process with the Development of a Techno-Economic Tool	Energies	Vol. 14, 8201	2021	<a href="https://doi.org/10.3390/en14248201">https://doi.org/10.3390/en14248201</a>
Stringari et al., 2021	Stringari C.E., Guimarães P.V., Filipot J.F., Leckler F. & Duarte R.	Deep neural networks for active wave breaking classification	Nature Scientific Reports	Vol. 11, 3604	2021	<a href="https://www.nature.com/articles/s41598-021-83188-y">https://www.nature.com/articles/s41598-021-83188-y</a>
Stringari et al., 2021	Stringari C.E., Prevosto M., Filipot J.F., Leckler F. & Guimarães P.V.	A New Probabilistic Wave Breaking Model for Dominant Wind-Sea Waves Based on the Gaussian Field Theory	JGR Oceans	Vol. 126, e2020iC016943	2021	<a href="https://doi.org/10.1029/2020iC016943">https://doi.org/10.1029/2020iC016943</a>
Tunga et al., 2021	Tunga I., Garcia-Teruel A., Noble D.R. & Henderson J.	Addressing European Ocean Energy Challenge: The DTOceanPlus Structured Innovation Tool for Concept Creation and Selection.	Energies	Vol. 14, 5988	2021	<a href="https://doi.org/10.3390/en14185988">https://doi.org/10.3390/en14185988</a>
Varing et al., 2021	Varing A., Filipot J.F., Delpy M., Guitton G., Collard F., Platzer P., Roeber V. & Morichon D.	Spatial distribution of wave energy over complex coastal bathymetries: Development of methodologies for comparing modeled wave fields with satellite observations	Coastal Engineering	Vol. 169, 103793	2021	<a href="https://doi.org/10.1016/j.coastaleng.2020.103793">https://doi.org/10.1016/j.coastaleng.2020.103793</a>
Varing et al., 2021	Varing A., Filipot J.F., Delpy M., Guitton G., Collard F., Platzer P., Roeber V. & Morichon D.	Spatial distribution of wave energy over complex coastal bathymetries: development of methodologies for comparing modeled wave fields with satellite observations	Coastal Engineering	Vol. 169, 103793	2021	<a href="https://doi.org/10.1016/j.coastaleng.2020.103793">https://doi.org/10.1016/j.coastaleng.2020.103793</a>
Varing et al., 2021	Varing A., Filipot J.F., Grilli S., Duarte R., Roeber V. & Yates M.	A new definition of the kinematic breaking onset criterion validated with solitary and quasi-regular waves in shallow water	Coastal Engineering	Vol. 164, 103755	2021	<a href="https://doi.org/10.1016/j.coastaleng.2020.103755">https://doi.org/10.1016/j.coastaleng.2020.103755</a>
Yang & Sønderkær Nielsen, 2021	Yang Y. & Sønderkær Nielsen J.	Availability-Based Selection of Electricity Delivery Network in Marine Conversion Systems Using Bayesian Network	Energies	Vol. 14, 3574	2021	<a href="https://doi.org/10.3390/en14123574">https://doi.org/10.3390/en14123574</a>
Chevillotte et al., 2020	Chevillotte Y., Marco Y., Bles G., Devos K., Keryer M., Arhant M. & Davies P.	Fatigue of improved polyamide mooring ropes for floating wind turbines	Ocean Engineering	Vol. 199, 107011	2020	<a href="https://doi.org/10.1016/j.oceaneng.2020.107011">https://doi.org/10.1016/j.oceaneng.2020.107011</a>
Guimarães et al., 2020	Guimarães P.V., Arduin F., Bergamasco F., Leckler F., Filipot J.F., Shim J.S., Dulov V. & Benetazzo A.	A data set of sea surface stereo images to resolve space-time wave fields	Scientific Data	Vol. 7, pp. 1-12	2020	<a href="https://doi.org/10.6084/m9.figshare.12181158">https://doi.org/10.6084/m9.figshare.12181158</a>
Marty et al., 2020	Marty A., Berhaut C., Damblans G., Facq J. V., Gaurier B., Germain G., Soulard T. & Schoefs F.	Marine growth effect on the hydrodynamical behavior of a submarine cable under current and wave conditions	Actes des 17èmes Journées de l'Hydrodynamique	12 p.	2020	<a href="https://archimer.ifremer.fr/doc/00660/77245/78697.pdf">https://archimer.ifremer.fr/doc/00660/77245/78697.pdf</a>
Ruiz-Minguela et al., 2020	Ruiz-Minguela P., Nava V., Hodges J. & Blanco J.M.	Review of Systems Engineering (SE) Methods and Their Application to Wave Energy Technology Development	Journal of Marine Science and Engineering	Vol. 8, 823	2020	<a href="https://doi.org/10.3390/jmse8100823">https://doi.org/10.3390/jmse8100823</a>
Taormina et al., 2020 (a)	Taormina B., Di Poi C., Agnalt A.L., Carlier A., Desroy N., Escobar-Lux R.H., D'eu J.F., Freyette F. & Duriff C.M.F.	Impact of magnetic fields generated by AC/DC submarine power cables on the behavior of juvenile European lobster ( <i>Homarus gammarus</i> )	Aquatic Toxicology	Vol. 220, 105401	2020	<a href="https://doi.org/10.1016/j.aquatox.2019.105401">https://doi.org/10.1016/j.aquatox.2019.105401</a>
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Taormina et al., 2020 (c)	Taormina B., Laurans M., Marzloff M.P., Dufournaud N., Lejart M., Desroy N., Leroy D., Martin S. & Carlier A.	Renewable energy homes for marine life: Habitat potential of a tidal energy project for benthic megafauna	Marine Environmental Research	Vol. 161, 105131	2020	<a href="https://doi.org/10.1016/j.marenvres.2020.105131">https://doi.org/10.1016/j.marenvres.2020.105131</a>
Taormina et al., 2020 (d)	Taormina B., Marzloff M.P., Desroy N., Caisey X., Dugornay O., Metral Thiesse E., Tancray A. & Carlier A.	Optimizing image-based protocol to monitor macroepibenthic communities colonizing artificial structures	ICES Journal of Marine Science	Vol. 77, pp.835-845	2020	<a href="https://doi.org/10.1093/icesjms/fts249">https://doi.org/10.1093/icesjms/fts249</a>
Villate et al., 2020	Villate J.L., Ruiz-Minguela P., Pérez-Morán G., Nava V. & Robles E.	Design tools for offshore renewable energy	DYNA Ingeniería e Industria	Vol. 95, pp. 601-605	2020	<a href="http://hdl.handle.net/11556/1017">http://hdl.handle.net/11556/1017</a>
Yang & Sørensen, 2020	Yang Y. & Sørensen J.D.	Probabilistic Availability Analysis for Marine Energy Transfer Subsystem Using Bayesian Network	Energies	Vol. 13, 5108	2020	<a href="https://doi.org/10.3390/en13195108">https://doi.org/10.3390/en13195108</a>
Filipot et al., 2019	Filipot J.F., Guimarães P., Leckler F., Hortsmann J., Carrasco R., Leroy E., Fady N., Accensi M., Prevosto M., Duarte R. & Germain G.	La Jument Lighthouse: a real scale laboratory for the study of storm waves and of their loading on marine structures	Philosophical Transactions of the Royal Society A	Vol. 377, 20190008	2019	<a href="https://doi.org/10.1098/rsta.2019.0008">https://doi.org/10.1098/rsta.2019.0008</a>
Gervaise et al., 2019	Gervaise C., Lossent J., Valentini-Poirier C.A., Boissery P., Noel C. & Di Iorio L.	Three-dimensional mapping of the benthic invertebrates biophony with a compact four-hydrophones array	Applied Acoustics	Vol. 148, pp.175-193	2019	<a href="https://doi.org/10.1016/j.apacoust.2018.12.025">https://doi.org/10.1016/j.apacoust.2018.12.025</a>
Maison et al., 2019	Maison A., Damblans G., Berhaut C., Franchet M., Cartraud P., Menard F., Demmouche Y. & Germain G.	An Experimental and Modelling Approach for Assessing Dynamic Cable Capability to Withstand Operational Constraints	JICABLE'19 - 10th International Conference on Power Insulated Cables	Sess. B8-3, 6 p.	2019	<a href="http://www.jicable.org/TOU_T JICABLE_FIRST_PAGE/2019/2019-B8-3_page1.pdf">http://www.jicable.org/TOU_T JICABLE_FIRST_PAGE/2019/2019-B8-3_page1.pdf</a>
Papoutsellis et al., 2019	Papoutsellis C.E., Yates M.L., Simon B. & Benoit M.	Modeling of depth-induced wave breaking in a fully nonlinear free-surface potential flow model	Coastal Engineering	Vol. 154, 103579	2019	<a href="https://doi.org/10.1016/j.coastaleng.2019.103579">https://doi.org/10.1016/j.coastaleng.2019.103579</a>
Pham et al., 2019	Pham H.D., Cartraud P., Schoefs F., Soulard T. & Berhaut C.	Dynamic modeling of nylon mooring lines for a floating wind turbine	Applied Ocean Research	Vol. 87, p p.1-8	2019	<a href="https://doi.org/10.1016/j.apor.2019.03.013">https://doi.org/10.1016/j.apor.2019.03.013</a>
Pham et al., 2019	Pham H.D., Schoefs F., Cartraud P., Soulard T., Pham H.H. & Berhaut C.	Methodology for modeling and service life monitoring of mooring lines of floating wind turbines	Ocean Engineering	Vol. 193, 106603	2019	<a href="https://doi.org/10.1016/j.oceaneng.2019.106603">https://doi.org/10.1016/j.oceaneng.2019.106603</a>
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Duarte et al., 2018	Duarte R., Charbonier K., Lejart M., Monbet P. & Filipot J.P.	Development of an Environmental Impact Assessment Module (EIAM) in the DTOcean project	Proceedings of the International Conference on Ocean Energy 2018	6 p.	2018	<a href="https://www.icoe-conference.com/publication/development-of-an-environmental-impact-assessment-module-eiam-in-the">https://www.icoe-conference.com/publication/development-of-an-environmental-impact-assessment-module-eiam-in-the</a>
O'Byrne et al., 2018	O'Byrne M., Pakrashi V., Schoefs F. & Ghosh B.	Semantic segmentation of underwater imagery using deep networks trained on synthetic imagery	Journal of Marine Science and Engineering	Vol. 6, 93	2018	<a href="https://doi.org/10.3390/jmse6030093">https://doi.org/10.3390/jmse6030093</a>
Pianezze et al., 2018	Pianezze J., Barthe C., Bielli S., Tulet P., Julien S., Cambon G., Bousquet O., Claeys M. & Cordier E.	A New Coupled Ocean-Waves-Atmosphere Model Designed for Tropical Storm Studies: Example of Tropical Cyclone Bejisa (2013-2014) in the South-West Indian Ocean	Journal of Advances in Modeling Earth Systems	Vol. 10, pp.801-825	2018	<a href="https://doi.org/10.1002/2017MS001177">https://doi.org/10.1002/2017MS001177</a>

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Autret et al., 2016	Autret R., Dodet G., Fichaut B., Suanez S., David L., Leckler F., Ardhuin F., Ammann J., Grandjean P., Allemand P. & Filipot J.F.	A comprehensive hydro-geomorphic study of cliff-top storm deposits on Banneg Island during winter 2013–2014	Marine Geology	Vol. 382, pp. 37-55	2016	<a href="http://dx.doi.org/10.1016/j.margeo.2016.09.014">http://dx.doi.org/10.1016/j.margeo.2016.09.014</a>
Filipot et al., 2016	Filipot J.F.	Investigation of the Bottom-Slope Dependence of the Nonlinear Wave Evolution toward Breaking Using SWASH	Journal of Coastal Research	Vol. 32, pp.1504-1507	2016	<a href="https://doi.org/10.2112/COASTRES-D-15-00118.1">https://doi.org/10.2112/COASTRES-D-15-00118.1</a>
Karimirad & Koushan, 2016	Karimirad K. & Koushan K.	WindWEC: Combining Wind and Wave Energy Inspired by Hywind and Wavestar	Proceedings of the International Conference on Renewable Energy Research and Applications 2016	6 p.	2016	<a href="https://www.dtoceanplus.eu/content/download/2539/file/Karimirad_et_al_2016.pdf">https://www.dtoceanplus.eu/content/download/2539/file/Karimirad_et_al_2016.pdf</a>
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Weller et al., 2015	Weller S.D., Thies P R., Gordelier T. & Johanning L.	Reducing Reliability Uncertainties for Marine Renewable Energy	Journal of Marine Science and Engineering	Vol. 3, pp. 1349-1361	2015	<a href="https://doi.org/10.3390/jmse3041349">https://doi.org/10.3390/jmse3041349</a>
Karimirad et al., 2014	Karimirad M., Koushan K., Weller S., Hardwick J. & Johanning L.	Applicability of offshore mooring and foundation technologies for marine renewable energy (MRE) device arrays	Proceedings of the International Conference on Renewable Energies Offshore 2014	8 p.	2014	<a href="https://www.dtoceanplus.eu/content/download/2538/file/Karimirad_et_al_2014.pdf">https://www.dtoceanplus.eu/content/download/2538/file/Karimirad_et_al_2014.pdf</a>
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