

Abrégé	Auteurs	Titre	Nom du journal	Références (volume, pages)	Année	Hyperlien
Araignous et al., 2023	Araignous E., Safi G., Kervella Y., Michelet N., Lucey N., Duarte R., Isorna R. & Nava V.	Environmental and social acceptance module: reducing global and local environmental impacts for ocean energy projects	International Marine Energy Journal	Vol. 6, pp. 63-90	2023	https://doi.org/10.36688/imej.6.63-90
Lucero et al., 2023	Lucero F., Stringari C.E. & Fillpot J.F.	Improving WAVEWATCH III hindcasts with machine learning	Coastal Engineering	Vol. 185, 104381	2023	https://doi.org/10.1016/j.coastaleng.2023.104381
Portas et al., 2023	Portas A., Carriot N., Ortalo-Magné A., Damblans G., Thiébaud M., Culioli G., Quillien N. & Briand J.F.	Impact of hydrodynamics on community structure and metabolic production of marine biofouling formed in a highly energetic estuary	Marine Environmental Research	Vol. 192, 106241	2023	https://doi.org/10.1016/j.marenvres.2023.106241
Signor et al., 2023	Signor J., Damblans G., Schoefs F. & Quillien N.	Automatic Classification of Biofouling Images from Offshore Renewable Energy Structures Using Deep Learning	Ocean Engineering	Vol. 288, 115928	2023	https://doi.org/10.1016/j.oceaneng.2023.115928
Andrzejczak et al., 2022	Andrzejczak S., Lucas T.C.D., Goodman W.C., Hussey N.E., Armstrong A.J., Carlisle A., Coffey D.M., Gleiss A.C., Williams S., Jasku B.M., Males M.G., Mousset P.	Diving into the vertical dimension of elasmobranch movement ecology	Sciences advances	Vol. 8, ea01754	2022	https://doi.org/10.1126/sciadv.abo1754
Bain et al., 2022	Bain C., Davies P., Riou L., Marco Y., Bles G. & Damblans G.	Experimental evaluation of the main parameters influencing friction between polyamide fibers and influence of friction on the abrasion resistance	The Journal of The Textile Institute		2022	https://doi.org/10.1080/00405000.2022.2105075
Civier et al., 2022	Civier L., Chevillotte Y., Bles G., Montel F., Davies P. & Marco Y.	Short and long term creep behaviour of polyamide ropes for mooring applications	Ocean Engineering	Vol. 259, 111800	2022	https://doi.org/10.1016/j.oceaneng.2022.111800
Garcia-Teruel et al., 2022	Garcia-Teruel A., Roberts O., Noble D.R., Henderson J.C. & Jeffrey H.	Design limits for wave energy converters based on the relationship of power and volume obtained through multi-objective optimisation	Renewable Energy	Vol. 200, pp. 492-504	2022	https://doi.org/10.1016/j.renene.2022.09.053
Portas et al., 2022	Portas A., Quillien N., Culioli G. & Briand J.F.	Eukaryotic diversity of marine biofouling from coastal to offshore areas	Frontiers in Marine Science	Vol. 9, 971939	2022	https://doi.org/10.3389/fmars.2022.971939
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	https://doi.org/10.3390/en14164896
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	https://doi.org/10.3390/jmse9080810
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	https://doi.org/10.3390/en14092364
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	https://doi.org/10.25855/SFT2021-038
Marty et al., 2021 (a)	Marty A., Berhaut C., Damblans G., Faq 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	https://doi.org/10.1016/j.apor.2021.102810
Marty et al., 2021 (b)	Marty A., Schoefs F., Soulard T., Berhaut C., Faq 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	https://doi.org/10.3390/jmse9060598
Roberts et al., 2021	Roberts O., Henderson J.C., Garcia-Teruel A., Noble D.R., Tunga L., 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	https://doi.org/10.3390/en14248201
Stringari et al., 2021	Stringari C.E., Guimarães P.V., Fillpot J.F., Leckler F. & Duarte R.	Deep neural networks for active wave breaking classification	Nature Scientific Reports	Vol. 11, 3604	2021	https://www.nature.com/articles/s41598-021-83188-y
Stringari et al., 2021	Stringari C.E., Prevosto M., Fillpot 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, e2020JC016943	2021	https://doi.org/10.1029/2020JC016943
Tunga et al., 2021	Tunga L., 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	https://doi.org/10.3390/en14185988
Varing et al., 2021	Varing A., Fillpot J.F., Delpey 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	https://doi.org/10.1016/j.coastaleng.2020.103793
Varing et al., 2021	Varing A., Fillpot J.F., Delpey 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	https://doi.org/10.1016/j.coastaleng.2020.103793
Varing et al., 2021	Varing A., Fillpot 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	https://doi.org/10.1016/j.coastaleng.2020.103755
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	https://doi.org/10.3390/en14123574
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	https://doi.org/10.1016/j.oceaneng.2020.107011
Guimarães et al., 2020	Guimarães P.V., Arduin F., Bergamasco F., Leckler F., Fillpot 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	https://doi.org/10.6084/m9.figshare.12181158
Marty et al., 2020	Marty A., Berhaut C., Damblans G., Faq 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	https://archimer.ifremer.fr/doc/00660/77245/78697.pdf
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	https://doi.org/10.3390/jmse8100823
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., Freydet F. & Duriff C.M.F.	Impact of magnetic fields generated by AC/DC submarine power cables on the behavior of juvenile European lobster (Homarus gammarus)	Aquatic Toxicology	Vol. 220, 105401	2020	https://doi.org/10.1016/j.aquatox.2019.105401
Taormina et al., 2020 (b)	Taormina B., Percheron A., Marzloff M.P., Caisey X., Quillien N., Lejart M., Desroy N., Dugornay O., Tancray A. & Carlier A.	Succession in epibenthic communities on artificial reefs associated with marine renewable energy facilities within a tide-swept environment	ICES Journal of Marine Science	Vol. 77, pp. 2656-2668	2020	https://doi.org/10.1093/icesjms/ifsaa129
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	https://doi.org/10.1016/j.marenvres.2020.105131
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	https://doi.org/10.1093/icesjms/fsz249
Villate et al., 2020	Villate J.L., Ruiz-Minguela P., Pérez-Morán G., Nava V. & Robles E.	Design tools for offshore renewable energy	DYNA Ingenieria e Industria	Vol. 95, pp. 601-605	2020	http://hdl.handle.net/11556/1017
Yang & Sørensen, 2020	Yang Y. & Sørensen J.D.	Probabilistic Availability Analysis for Marine Energy Transfer Subsystem Using Bayesian Network	Energies	Vol. 13, 5108	2020	https://doi.org/10.3390/en13195108
Fillpot et al., 2019	Fillpot J.F., Guimarães P., Leckler F., Hortsman J., Carrasco R., Leroy E., Fady N., Accensi M., Prevosto M., Duarte R. & Roeber V.	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	https://doi.org/10.1098/rsta.2019.0008
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	https://doi.org/10.1016/j.apacoust.2018.12.025

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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	https://doi.org/10.1016/j.coastaleng.2019.103579
Pham et al., 2019	Pham H.D., Cartraud P., Schoefs F., Soulard T. & Berhault C.	Dynamic modeling of nylon mooring lines for a floating wind turbine	Applied Ocean Research	Vol. 87,p.1-8	2019	https://doi.org/10.1016/j.apor.2019.03.013
Pham et al., 2019	Pham H.D., Schoefs F., Cartraud P., Soulard T., Pham H.H. & Berhault C.	Methodology for modeling and service life monitoring of mooring lines of floating wind turbines	Ocean Engineering	Vol. 193, 106603	2019	https://doi.org/10.1016/j.oceaneng.2019.106603
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Chevillotte et al., 2018	Chevillotte Y., Marco Y., Davies P., Bles G. & Arhant M.	Fatigue of polyamide mooring ropes for floating wind turbines	MATEC Web of Conferences	Vol. 165, 10002	2018	https://doi.org/10.1051/mateconf/201816510002
Duarte et al., 2018	Duarte R., Charbonier K., Lejart M., Monbet P. & Fillpot 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	https://www.icoe-conference.com/publication/development-of-an-environmental-impact-assessment-module-eiam-in-the-dtocean-2018/
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	https://doi.org/10.3390/jmse6030093
Pianezze et al., 2018	Pianezze J., Barthe C., Bielli S., Tulet P., Jullien 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	https://doi.org/10.1002/2017MS001177
Taormina et al., 2018	Taormina B., Bald J., Want A., Thouzeau G., Lejart M., Desroy N. & Carlier A.	A review of potential impacts of submarine power cables on the marine environment: Knowledge gaps, recommendations and future directions	Renewable and Sustainable Energy Reviews	Vol. 96, pp.380-391	2018	https://doi.org/10.1016/j.rser.2018.07.026
Quentin et al., 2017	Quentin C.U., Zakarodjan B., Marie L., Rubio A., Bennis A.C., Dumas F., Sentechev A., Sicot G., Barbin Y., Jousset S., Bonnat A., Miller, C., Ouyessey Y., Chiffolleau T., Gouffier, P., Maljean D.	Progress towards a french high frequency ocean surface wave radar network	Mercator Ocean Journal	Vol. 55, pp.25-38	2017	https://hal-normandie-univ.archives-ouvertes.fr/hal-01713574
Autret et al., 2016	Autret K., Dodel G., Hénaut B., Simeas S., David L., Leclercq J., Arduin F., Ammann J., Grandjean P., Allemand P. & Fillpot 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	http://dx.doi.org/10.1016/j.margeo.2016.09.014
Fillpot et al., 2016	Fillpot 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	https://doi.org/10.2112/JCOASTRES-D-15-00118.1
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Suanez et al., 2015	Suanez S., Cancouët R., Floc'h F., Blaise E., Arduin F., Fillpot J.F., Cariolet J.M. & Delacourt C.	Observations and predictions of wave runup, extreme waterlevels and dune erosion during storm conditions	Journal of Marine Science and Engineering	Vol. 3, pp. 674-698	2015	https://doi.org/10.3390/jmse3030674
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	https://doi.org/10.3390/jmse3041349
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	https://www.dtoceanplus.eu/content/download/2538/file/Karimirad_et_al_2014.pdf
Teillant et al., 2014	Teillant B., Chaiho P., Raventos A., Nava V. & Jeffrey H.	A methodology for the development of a numerical tool for the lifecycle logistics of ocean energy arrays	Proceedings of the International Conference on Ocean Energy 2014	8 p.	2014	https://www.icoe-conference.com/publication/a-decision-supporting-tool-for-the-lifestyle-logistics-of-ocean-energy-array/