

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	https://doi.org/10.3390/en14164896
Bourgoin et al., 2021	Bourgoin A., Guillou S.S., Thiébot J. & Ata R.	Use of Large-Eddy Simulation for the bed shear stress estimation over a dune	International Journal of Sediment Research	Vol. 36, pp. 687-695	2021	https://doi.org/10.1016/j.ijsrc.2019.10.002
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
Lovera et al., 2021	Lovera A., Ghabezloo S., Sulem J., Randolph M.F., Kham M. & Palix E.	Pile response to multi-directional lateral loading using P-y curves approach	Géotechnique	Vol. 71, pp. 288-298	2021	https://doi.org/10.1680/jgeot.18.P.297
Marty et al., 2021	Marty A., Berhault C., Dambians 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	https://doi.org/10.1016/j.apor.2021.102810
Mercier et al., 2021	Mercier P., Thiébot J., Guillou S., Maisondieu C., Poizat E., Pieterse A., Thiébot J., Filipot J.F. & Grondeau M.	Turbulence measurements: An assessment of Acoustic Doppler Current Profiler accuracy in rough environment	Ocean Engineering	Vol. 226, 108819	2021	https://doi.org/10.1016/j.oceaneng.2021.108819
Niquil et al., 2021	Niquil N., Scotti M., Fofack-Garcia R., Haraldsson M., Thermes M., Raoux A., Le Loc'h F. & Mazé C.	The Merits of Loop Analysis for the Qualitative Modeling of Social-Ecological Systems in Presence of Offshore Wind Farms	Frontiers in Ecology and Evolution	Vol. 9, 635798	2021	https://doi.org/10.3389/fevo.2021.635798
Platzer et al., 2021	Platzer P., Yiou P., Naveau P., Filipot J.F., Thiébot M. & Tandeo P.	Probability Distributions for Analog-To-Target Distances	Journal of the Atmospheric Sciences	Vol. 78, pp. 3317-3335	2021	https://doi.org/10.1175/JAS-D-20-0382.1
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	https://doi.org/10.3390/en14248201
Stavropoulou et al., 2021	Stavropoulou E., Dano C. & Boulon M.	Shear Response of Wet Weak Carbonate Rock/Grout Interfaces Under Cyclic Loading	Rock Mechanics and Rock Engineering	Vol. 54, pp. 2791-2813	2021	https://link.springer.com/article/10.1007/s00603-021-02406-1
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	https://www.nature.com/articles/s41598-021-83188-y
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, e2020JC016943	2021	https://doi.org/10.1029/2020JC016943
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	https://doi.org/10.3390/en14185988
Varing et al., 2021	Varing A., Filipot J.F., Delpey M., Guittou G., Collard F., Platzer P., Rober 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
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
Ayet et al., 2020	Ayet A., Chapron B., Redelsperger J. L., Lapeyre G. & Marié L.	On the Impact of Long Wind-Waves on Near-Surface Turbulence and Momentum Fluxes	Boundary-Layer Meteorology	Vol. 174, pp.465-491	2020	https://archimer.ifremer.fr/doc/00601/71285/
Bailly du Bois et al., 2020	Bailly du Bois P., Dumas F., Morillon M., Furgerot L., Voiseux C., Poizat E., Méar Y. & Bennis A.C.	The Alderney Race: general hydrodynamic and particular features	Philosophical Transactions of the Royal Society A	Vol. 378, 20190492	2020	https://doi.org/10.1098/rsta.2019.0492
Bennis et al., 2020	Bennis A.C., Furgerot L., Du Bois P.B., Dumas F., Odaka T., Lathuiliere C. & Filipot J.F.	Numerical modelling of three-dimensional wave-current interactions in complex environment: Application to Alderney Race	Applied Ocean Research	Vol. 95, 102021	2020	https://doi.org/10.1016/j.apor.2019.102021
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
Decurey et al., 2020	Decurey B., Schoefs F., Barillé A.L. & Soulard T.	Model of Bio-Colonisation on Mooring Lines: Updating Strategy Based on a Static Qualifying Sea State for Floating Wind Turbines	Journal of Marine Science and Engineering	Vol. 8, 108	2020	https://doi.org/10.3390/jmse8020108
Furgerot et al., 2020	Furgerot L., Sentechev A., Bailly du Bois P., Lopez J., Morillon M., Poizat E., Méar Y. & Bennis A.C.	One year of measurements in Alderney Race: preliminary results from database analysis	Philosophical Transactions of the Royal Society A	Vol. 378, 20190625	2020	https://doi.org/10.1098/rsta.2019.0625
Ghabezloo et al., 2020	Ghabezloo S., Sulem J., Randolph M., Kham M. & Palix E.	Extension of the p-y Curves Framework for Cyclic Loading of Offshore Wind Turbines Monopiles in Soft Rock	Proceedings of the International Symposium on Frontiers in Offshore Geotechnics	3546	2020	
Grangeat et al., 2020	Grangeat R., Girard M., Lupi C., Leduc D. & Jacquemin F.	Measurement of the local water content of an epoxy adhesive by fiber optic sensor based on Fresnel reflection	Mechanical Systems and Signal Processing	Vol. 141, 106439	2020	https://doi.org/10.1016/j.ymssp.2019.106439
Grangeat et al., 2020	Grangeat R., Girard M., Jacquemin F. & Lupi C.	Method of characterizing the interphase's mean water diffusion properties of a bonded assembly in immersion	The Journal of Adhesion	Vol. 21, pp. 1-20	2020	https://doi.org/10.1080/00218464.2020.1828080
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	https://doi.org/10.6084/m9.figshare.12181158
Halouani et al., 2020	Halouani G., Villanueva C.M., Raoux A., Dauvin J.C., Lasram F.B.R., Foucher E., Le Loc'h F., Saft S., Arough E., Robin J.R. & Haraldsson M.	A spatial food web model to investigate potential spillover effects of a fishery closure in an offshore wind farm	Journal of Marine Systems	Vol. 212, 103434	2020	https://doi.org/10.1016/j.jmarsys.2020.103434
Haraldsson et al., 2020	Haraldsson M., Raoux A., Riera F., Hay J., Dambacher J.M. & Niquil N.	How to model social-ecological systems?—A case study on the effects of a future offshore wind farm on the local society and ecosystem, and whether social compensation matters	Marine Policy	Vol. 119, 104031	2020	https://doi.org/10.1016/j.marpol.2020.104031
Haraldsson et al., 2020	Haraldsson M., Raoux A., Riera F., Hay J., Jeffrey M., Dambacher M. & Niquil N.	How to model social-ecological systems? A case study on the effects of a future offshore wind farm on the local society and ecosystem, and whether social compensation matters	Marine Policy	Vol. 119, 104031	2020	https://doi.org/10.1016/j.marpol.2020.104031
Lasram et al., 2020	Lasram F.B.R., Hattab T., Noguez Q., Beaugrand G., Dauvin J.C., Halouani G., Le Loc'h F., Niquil N. & Leroy B.	An open-source framework to model present and future marine species distributions at local scale	Ecological Informatics	Vol. 59, 101130	2020	https://doi.org/10.1016/j.ecoinf.2020.101130
Le Marchand et al., 2020	Le Marchand M., Hattab T., Niquil N., Albouy C. & Lasram F.B.R.	Climate change in the Bay of Biscay: Changes in spatial biodiversity patterns could be driven by the arrivals of southern species	Marine Ecology Progress Series	Vol. 647, pp.17-31	2020	https://doi.org/10.3354/meps13401
Leplat et al., 2020	Leplat J., Stamoulis G., Bidaud P. & Thévenet D.	Investigation of the mode I fracture properties of adhesively bonded joints after water ageing	The Journal of Adhesion	Vol. 21, pp. 1-22	2020	https://doi.org/10.1080/00218464.2020.1818561

Li et al., 2020	Li Z.S., Blanc M. & Thorel L.	Using FBGS to estimate the horizontal response of a monopile in a geotechnical centrifuge.	International Journal of Physical Modelling in Geotechnics	Vol. 20, pp.164-174	2020	https://doi.org/10.1680/jphmg.19.00022
Lopez et al., 2020	Lopez G., Bennis A.C., Barbin Y., Sentchev A., Benoît L. & Marié L.	Surface currents in the Alderney Race from high-frequency radar measurements and three-dimensional modelling	Philosophical Transactions of the Royal Society A	Vol. 378, 20190494	2020	https://doi.org/10.1098/rsta.2019.0494
Marty et al., 2020	Marty A., Berhault C., Damblans G., Facq J. V., Gaurier B., Germain G., Soulard T. & Schoefs F.	Marine growth effect on the hydrodynamic 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
Niquil et al., 2020	Niquil N., Raoux A., Haraldsson M., Araignou E., Halouani G., Leroy B., Safi G., Nogues Q., Grangeré K., Dauvin J.C., Riera F.,	Toward an Ecosystem Approach of Marine Renewable Energy: The Case of the Offshore Wind Farm of Courseulles-sur-Mer in the Bay of Seine	Estuaries and Coastal Zones in Times of Global Change	pp. 137-148	2020	https://doi.org/10.1007/978-981-15-2081-5_9
Nogues et al., 2020	Nogues Q., Raoux A., Araignou E., Chaalali A., Hattab T., Leroy B., Lasram F.B.R., David V., Le Loc'h F., Dauvin J.C. & Niquil N.	Cumulative effects of marine renewable energy and climate change on ecosystem properties: Sensitivity of ecological network analysis	Ecological Indicators	Vol. 121, 107128	2020	https://doi.org/10.1016/j.ecolind.2020.107128
Palix & Lovera, 2020	Palix E. & Lovera A.	Field testing for monopile to be installed in weak carbonated rock	Proceedings of the International Symposium on Frontiers in Offshore Geotechnics	3517	2020	
Platzer et al., 2020	Platzer P., Filipot J.F., Naveau P., Tandeo P. & Yiou P.	Wave group focusing in the ocean: estimations using crest velocities and a Gaussian linear model	Natural Hazards	Vol. 104, pp.2431-2449	2020	https://doi.org/10.1007/s11069-020-04279-z
Raoux et al., 2020	Raoux A., Pezy J.P., Ernande B., Niquil N., Dauvin J.C. & Grangeré K.	Isotopic analyses, a good tool to validate models in the context of Marine Renewable Energy development and cumulative impacts	Estuarine, Coastal and Shelf Science	Vol. 137, 106690	2020	https://doi.org/10.1016/j.ecss.2020.106690
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
Ruju et al., 2020	Ruju A., Filipot J.F., Bentamy A. & Leckler F.	Spectral wave modelling of the extreme 2013/2014 winter storms in the North-East Atlantic	Ocean Engineering	Vol. 216, 108012	2020	https://doi.org/10.1016/j.oceaneng.2020.108012
Sentchev et al., 2020	Sentchev A., Thiébot J., Bennis A.C. & Piggott M.	New insights on tidal dynamics and tidal energy harvesting in the Alderney Race	Philosophical Transactions of the Royal Society A	Vol. 378, 20190490	2020	https://doi.org/10.1098/rsta.2019.0490
Sentchev et al., 2020	Sentchev A., Thiébot M. & Guillou S.	Turbulence characterization at tidal-stream energy site in Alderney Race	Developments in Renewable Energies Offshore	pp. 616-623	2020	https://www.researchgate.net/publication/345373964_turbulence_characterization_at_tidal-stream_energy_site_in_alderney_race
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., Freyret 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	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., Tancred 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/fsaa129
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.marenres.2020.105131
Taormina et al., 2020 (d)	Taormina B., Marzloff M.P., Desroy N., Caisey X., Dugornay O., Metral Thesse E., Tancred 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
Thiébaud et al., 2020	Thiébaud M., Filipot J.F., Maisondieu C., Damblans G., Duarte R., Droniou E., Chaplain N. & Guillou S.	A comprehensive assessment of turbulence at a tidal-stream energy site influenced by wind-generated ocean waves	Energy	Vol. 191, 116550	2020	https://doi.org/10.1016/j.energy.2019.116550
Thiébaud et al., 2020	Thiébaud M., Filipot J.F., Maisondieu C., Damblans G., Duarte R., Droniou E. & Guillou S.	Assessing the turbulent kinetic energy budget in an energetic tidal flow from measurements of coupled ADCPs	Philosophical Transactions of the Royal Society A	Vol. 378, 20190496	2020	https://doi.org/10.1098/rsta.2019.0496
Thiébaud et al., 2020	Thiébaud M., Filipot J.F., Maisondieu C., Damblans G., Jochum C., Kilcher L.F. & Guillou S.	Characterization of the vertical evolution of the 3D turbulence for fatigue design of tidal turbines	Philosophical Transactions of the Royal Society A	Vol. 378, 20190495	2020	https://doi.org/10.1098/rsta.2019.0495
Thiébot et al., 2020	Thiébot J., Coles D.S., Bennis A.C., Guillou N., Neill S., Guillou S. & Piggott M.	Numerical modelling of hydrodynamics and tidal energy extraction in the Alderney Race: a review	Philosophical Transactions of the Royal Society A	Vol. 378, 20190498	2020	https://doi.org/10.1098/rsta.2019.0498
Varing et al., 2020	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	2020	https://doi.org/10.1016/j.coastaleng.2020.103793
Varing et al., 2020	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	2020	https://doi.org/10.1016/j.coastaleng.2020.103755
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	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
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Dupla et al., 2019	Dupla J.C., Palix E., Damblans G., Puech A., Blanc M., Dano C., Mroueh H., Kham M., Perikleous Y., Marin Y. & Burlon S.	Le projet ANR SOLCYP+ pour améliorer le dimensionnement des monopieux utilisés comme fondations d'éoliennes marines	Revue Française de Géotechnique	Vol. 158, 4	2019	https://doi.org/10.1051/geotech/2019010
Filipot et al., 2019	Filipot J.F., Guimaraes P., Leckler F., Hortsman J., Carrasco R., Leroy E., Fady N., Accensi M., Prevosto M., Duarte R. &	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
Flamme et al., 2019	Flamme J., Fabre M., Taris P., Marssat B. & Lepot A.	Combining marine electromagnetic and high resolution seismic imaging: application to shallow gassy environment	Symposium on the Application of Geophysics to Engineering and Environmental Problems Proceedings	Vol. 2019, pp. 1-4	2019	https://doi.org/10.4133/sagepub.32-077
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
Grangeat et al., 2019	Grangeat R., Girard M., Lupi C., Leduc D. & Jacquemin F.	Revealing of interphases in bonded joints with a fiber optic sensor based on Fresnel reflection	International Journal of Adhesion and Adhesives	Vol. 91, pp.12-18	2019	https://doi.org/10.1016/j.ijadhadh.2019.02.009
Lavesque et al., 2019	Lavesque N., Hutchings P., Daffe G., Nygren A. & Londoño-Mesa M.H.	A revision of the French Trichobranchidae (Polychaeta), with descriptions of nine new species	Zootaxa	Vol. 4664, pp. 151-190	2019	https://doi.org/10.11646/zootaxa.4664.2.1
Maison et al., 2019	Maison A., Damblans G., Berhault 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	http://www.jicable.org/TOUT_JICABLE_FIRST_PAGE/2019/2019-B8-3_page1.pdf
Mouche et al., 2019	Mouche A., Chapron B., Knaff J., Zhao Y., Zhang B. & Combet C.	Copolateralized and Cross-Polarized SAR Measurements for High-Resolution Description of Major Hurricane Wind Structures: Application to Irma Category 5 Hurricane	Journal of Geophysical Research: Oceans	Vol. 124, pp.3905-3922	2019	https://doi.org/10.1029/2019JC015056

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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. & Berhaut 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
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Raoux et al., 2019	Raoux A., Lassalle G., Pezy J.P., Tecchio S., Safi G., Ernande B., Mazée C., LeLoc'h F., Lequesne J., Girardin V., Dauvin J.C. &	Measuring sensitivity of two OSPAR indicators for a coastal food web model under offshore wind farm construction	Ecological Indicators	Vol. 96, pp.728-738	2019	https://doi.org/10.1016/j.ecolind.2018.07.014
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Stavropoulou et al., 2019 (b)	Stavropoulou E., Dano C. & Boulon M.	Experimental investigation of the mechanical behaviour of soft carbonate rock/grout interfaces for the design of offshore wind turbines	E3S Web of Conferences	Vol. 92, 13006	2019	https://dx.doi.org/10.1051/e3sconf/20199213006
Thiébaud et al., 2019	Thiébaud M., Sentchev A. & Du Bois P.B.	Merging velocity measurements and modeling to improve understanding of tidal stream resource in Alderney Race	Energy	Vol. 178, pp.460-470	2019	https://doi.org/10.1016/j.energy.2019.04.171
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