

Abbrégé	Auteurs	Titre de l'article	Nom du journal	Références (volume, pages)	Années	Hyperlien
Le Marchand et al., 2022	Le Marchand M., Ben Rais Lasram F., Araignous E., Saint-Béat B., Lassalle G., Michelet N., Serre S., Safi G., Lejart M., Niquil N.	Potential combined impacts of climate change and non-indigenous species arrivals on Bay of Biscay trophic network structure and functioning	Journal of Marine Systems	Vol. 228, 103704	2022	<a href="https://doi.org/10.1016/j.jmarsys.2022.103704">https://doi.org/10.1016/j.jmarsys.2022.103704</a>
Thiébaud et al., 2022	Thiébaud M., Quillen N., Maison A., Gaborieau H., Ruiz N., Mackenzie S., Connor G., Filipot J.F.	Investigating the flow dynamics and turbulence at a tidal-stream energy site in a highly energetic estuary	Renewable Energy	Vol. 195, pp. 252-262	2022	<a href="https://doi.org/10.1016/j.renene.2022.06.020">https://doi.org/10.1016/j.renene.2022.06.020</a>
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>
Bourdaud P., 2021	Bourdaud P., Ben Rais Lasram F., Araignous E., Champagnat J., Grud S., Halouani G., Hattab T., Leroy B., Nogués Q., Raoux	Impacts of climate change on the Bay of Seine ecosystem: Forcing a spatio-temporal trophic model with predictions from an ecological niche model	Fisheries Oceanography	Vol. 30, pp. 471-489	2021	<a href="https://doi.org/10.1111/fog.12531">https://doi.org/10.1111/fog.12531</a>
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	<a href="https://doi.org/10.1016/j.ijsrc.2019.10.002">https://doi.org/10.1016/j.ijsrc.2019.10.002</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>
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	<a href="https://doi.org/10.1680/jgeot.18.P.297">https://doi.org/10.1680/jgeot.18.P.297</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., DambiansG., 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>
Mercier et al., 2021	Mercier P., Thiébaud M., 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	<a href="https://doi.org/10.1016/j.oceaneng.2021.108819">https://doi.org/10.1016/j.oceaneng.2021.108819</a>
Niquil et al., 2021	Niquil N., Scotti M., Fofack-Garcia R., Haraldsson M., Thernes 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	<a href="https://doi.org/10.3389/fevo.2021.635798">https://doi.org/10.3389/fevo.2021.635798</a>
Nogues et al., 2021	Nogues Q., Raoux A., Araignous E., Chaalali A., Hattab T., Leroy B., Lasram F.B.R., David V., Le Loc'h F., Dauvin J.C. &	Cumulative effects of marine renewable energy and climate change on ecosystem properties: Sensitivity of ecological network analysis	Ecological Indicators	Vol. 121, 107128	2021	<a href="https://doi.org/10.1016/j.ecolind.2020.107128">https://doi.org/10.1016/j.ecolind.2020.107128</a>
Platzer et al., 2021	Platzer P., Yiou P., Naveau P., Filipot J.F., Thiébaud M. & Tandeo P.	Probability Distributions for Analog-To-Target Distances	Journal of the Atmospheric Sciences	Vol. 78, pp. 3317-3335	2021	<a href="https://doi.org/10.1175/JAS-D-20-0382.1">https://doi.org/10.1175/JAS-D-20-0382.1</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>
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	<a href="https://link.springer.com/article/10.1007/s00603-021-02406-1">https://link.springer.com/article/10.1007/s00603-021-02406-1</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, e2020JC016943	2021	<a href="https://doi.org/10.1029/2020JC016943">https://doi.org/10.1029/2020JC016943</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., 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	<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., 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	<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 & Sønnderkær Nielsen, 2021	Yang Y. & Sønnderkær 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>
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	<a href="https://archimer.ifremer.fr/doc/00601/71285/">https://archimer.ifremer.fr/doc/00601/71285/</a>
Bally 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	<a href="https://doi.org/10.1098/rsta.2019.0492">https://doi.org/10.1098/rsta.2019.0492</a>
Ben Rais Lasram et al., 2020	Lasram F.B.R., Hattab T., Nogues 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	<a href="https://doi.org/10.1016/j.ecoinf.2020.101130">https://doi.org/10.1016/j.ecoinf.2020.101130</a>
Bennis et al., 2020	Bennis A.C., Furgerot L., Du Bois P.B., Dumas F., Odaka T., Lathuilière 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	<a href="https://doi.org/10.1016/j.apor.2019.102021">https://doi.org/10.1016/j.apor.2019.102021</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>
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	<a href="https://doi.org/10.3390/jmse8020108">https://doi.org/10.3390/jmse8020108</a>
Furgerot et al., 2020	Furgerot L., Sentchev A., Bailly du Bois P., Lopez G., 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	<a href="https://doi.org/10.1098/rsta.2019.0625">https://doi.org/10.1098/rsta.2019.0625</a>
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	<a href="https://doi.org/10.1016/j.ymssp.2019.106439">https://doi.org/10.1016/j.ymssp.2019.106439</a>
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	<a href="https://doi.org/10.1080/00218464.2020.1828080">https://doi.org/10.1080/00218464.2020.1828080</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>

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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	<a href="https://doi.org/10.1016/j.marpol.2020.104031">https://doi.org/10.1016/j.marpol.2020.104031</a>
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	<a href="https://doi.org/10.1016/j.marpol.2020.104031">https://doi.org/10.1016/j.marpol.2020.104031</a>
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	<a href="https://doi.org/10.3354/meps13401">https://doi.org/10.3354/meps13401</a>
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	<a href="https://doi.org/10.1080/00218464.2020.1818561">https://doi.org/10.1080/00218464.2020.1818561</a>
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	<a href="https://doi.org/10.1680/jphmg.19.00022">https://doi.org/10.1680/jphmg.19.00022</a>
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	<a href="https://doi.org/10.1098/rsta.2019.0494">https://doi.org/10.1098/rsta.2019.0494</a>
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 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>
Niquil et al., 2020	Niquil N., Raoux A., Haraldsson M., Araignous E., Halouani G., Leroy B., Safi G., Nogués Q., Grangeré K., Dauvin J.C., Riera F., Palix E. & Lovera A.	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	<a href="https://doi.org/10.1007/978-981-15-2081-5_9">https://doi.org/10.1007/978-981-15-2081-5_9</a>
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. & Yiu P.	Wave group focusing in the ocean: estimations using crest velocities and a Gaussian linear model	Natural Hazards	Vol. 104, pp.2431-2449	2020	<a href="https://doi.org/10.1007/s11069-020-04279-z">https://doi.org/10.1007/s11069-020-04279-z</a>
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	<a href="https://doi.org/10.1016/j.ecss.2020.106690">https://doi.org/10.1016/j.ecss.2020.106690</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>
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	<a href="https://doi.org/10.1016/j.oceaneng.2020.108012">https://doi.org/10.1016/j.oceaneng.2020.108012</a>
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	<a href="https://doi.org/10.1098/rsta.2019.0490">https://doi.org/10.1098/rsta.2019.0490</a>
Sentchev et al., 2020	Sentchev A., Thiébaud M. & Guillou S.	Turbulence characterization at tidal-stream energy site in Alderney Race	Developments in Renewable Energies Offshore	pp. 616-623	2020	<a href="https://www.researchgate.net/publication/345373984_Turbulence_characterization_at_tidal-">https://www.researchgate.net/publication/345373984_Turbulence_characterization_at_tidal-</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., 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	<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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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	<a href="https://doi.org/10.1016/j.energy.2019.116550">https://doi.org/10.1016/j.energy.2019.116550</a>
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	<a href="https://doi.org/10.1098/rsta.2019.0496">https://doi.org/10.1098/rsta.2019.0496</a>
Thiébaud et al., 2020	Thiébaud M., Filipot J.F., Maisondieu C., Damblans G., Jochum C., Klicher 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	<a href="https://doi.org/10.1098/rsta.2019.0495">https://doi.org/10.1098/rsta.2019.0495</a>
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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>
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