

Abrégé	Auteurs	Titre	Nom du journal	Références (volume, pages)	Années	Hyperlien
Baulaz et al., 2023	Baulaz Y., Mouchet M., Niquil N. & Ben Rais Lasram F.	An integrated conceptual model to characterize the effects of offshore wind farms on ecosystem services	Ecosystem Services	Vol. 60, 101513	2023	https://doi.org/10.1016/j.ecoser.2023.101513
Fofack-Garcia et al., 2023	Fofack-Garcia R., Mazé C., Safi G., Lejart M., Chauvac N., Thermes M., Ragueneau O., Le Loc'h F. & Niquil N.	Socio-political acceptability of floating offshore wind farms in France: challenges and perspectives for marine governance towards sustainability	Ocean & Coastal Management	Vol. 236, 106513	2023	https://doi.org/10.1016/j.ocecoaman.2023.106513
Le Bot et al., 2023	Le Bot S., Bary M., Fournier M., Husté A., Michelet N., Blanpain O., Nexer M., Garland T.	Marine dune morphodynamics and sediment fluxes (off Dunkirk, France). Spatio-temporal variability and relations with hydrodynamic forcings	Proceedings of the 7th Marine and River Dune Dynamics Conference Series	Vol. 7, pp. 155-162	2023	https://marid7.sciencesconf.org/data/pages/proceedings.pdf
Marcille et al., 2023	Marcille M., Thiébaud M., Tandeo P., & Filippot J.F.	Gaussian mixture models for the optimal sparse sampling of offshore wind resource	Wind Energy Science	Vol. 8, pp.771-786	2023	https://doi.org/10.5194/wes-8-771-2023
Renaud et al., 2023	Renaud P., Battle Martin M., Hulín F., Harris J. C., Filippot J. F., Scolas Y. M.	Semi-analytical load models describing the progressive immersion of a fixed vertical cylinder in a breaking wave	Ocean Engineering	Vol. 276, 114116	2023	https://doi.org/10.1016/j.oceaneng.2023.114116
Robert et al., 2023	Robert A., Quillien N., Bacha M., Caille C., Nexer M., Parent B., Garland T., Feunteun E., Carpentier A., Amara R., Desroy N., Anorzajczek S., Lucas T.C., Goodman W.C., Mossey N.C., Armstrong A.J., Carlisle A., Coffey D.M., Gleiss A.C., Huveneres C., Jacobs D.M., Medina M.C., Mourier L., Post L.P.	Dynamic of the benthic ecosystem of bedform areas assessed via structural diversity, functional diversity and isotopic diversity	Proceedings of the 7th Marine and River Dune Dynamics Conference Series	Vol. 7, p 263-270	2023	https://marid7.sciencesconf.org/data/pages/proceedings.pdf
Andrzajczek et al., 2022	Andrzajczek S., Lucas T.C., Goodman W.C., Mossey N.C., Armstrong A.J., Carlisle A., Coffey D.M., Gleiss A.C., Huveneres C., Jacobs D.M., Medina M.C., Mourier L., Post L.P.	Diving into the vertical dimension of elasmobranch movement ecology	Sciences advances	Vol. 8, eab01754	2022	https://doi.org/10.1126/sciadv.ab01754
Bain et al., 2022	Bain C., Davies P., Riou L., Marco Y., Bles G. & Dambians 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
Battle Martin et al., 2022	Battle Martin M., Harris J. C., Renaud P., Hulín F. & Filippot J. F.	Numerical investigation of slamming loads on floating offshore wind turbines	Proceedings of the 32nd International Ocean and Polar Engineering Conference	Vol. 1, pp. 212-217	2022	
Civier et al., 2022	Civier L., Chevillote 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
Green et al., 2022	Green R., Gill E., Hein C., Couturier L., Mascarenhas M., May R., Newell D. & Rumes B.	International assessment of priority environmental issues for land-based and offshore wind energy development	Global Sustainability	Vol. 15, pp. 1-12	2022	https://doi.org/10.1017/sus.2022.14
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	https://doi.org/10.1016/j.jmarsys.2022.103704
Portas et al., 2022	Portas A., Quillien N., Culloli 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
Thiébaud et al., 2022	Thiébaud M., Quillien N., Maison A., Gaborieau H., Ruiz N., MacKenzie S., Connor G., Filippot 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	https://doi.org/10.1016/j.renene.2022.06.020
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
Bourdaud P., 2021	Bourdaud P., Ben Rais Lasram F., Araignous E., Champagnat J., Grusd S., Halouani G., Hattab T., Leroy B., Nogués O., Raoux A.	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	https://doi.org/10.1111/fog.12531
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
Le Bot, 2021	Le Bot, 2021	Des dunes sous la mer	Géochronique	Vol. 157, pp. 33-38	2021	
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-γ curves approach	Géotechnique	Vol. 71, pp. 288-298	2021	https://doi.org/10.1680/jgeot.18.P.297
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	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
Marty et al., 2021	Marty A., Schoefs F., Soulard T., Berhault 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	https://doi.org/10.3390/jmse9060598
Mercier et al., 2021	Mercier P., Thiébaud M., Guillou S., Maisondieu C., Poizat E., Pieterse A., Thiébot J., Filippot 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
Nogues et al., 2021	Nogues O., Raoux A., Araignous 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	2021	https://doi.org/10.1016/j.ecolind.2020.107128
Platzer et al., 2021	Platzer P., Yiou P., Naveau P., Filippot J.F., Thiébaud 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
Robert et al., 2021	Robert A. E., Quillien N., Bacha M., Caille C., Nexer M., Parent B., Garland T., & Desroy N.	Sediment migrations drive the dynamic of macrobenthic ecosystems in subtidal sandy bedforms	Marine Pollution Bulletin	Vol. 171, 112695	2021	https://doi.org/10.1016/j.marpolbul.2021.112695
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., Filippot 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., Filippot 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

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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	https://doi.org/10.1016/j.coastaleng.2020.103793
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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/
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	https://doi.org/10.1098/rsta.2019.0492
Ben Rais 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
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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
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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	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	
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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., Safi S., Araignous E., Robin J.R.	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
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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
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Niquil et al., 2020	Niquil N., Raoux A., Haraldsson M., Araignous E., Halouani G., Leroy B., Safi G., Noguez 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	https://doi.org/10.1007/978-981-15-2081-5_9
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	
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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
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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., Thiébaud 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/345373984_Turbulence_characterization_at_tidal-
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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	https://doi.org/10.1016/j.energy.2019.116550

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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
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
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