

Abrégé	Auteurs	Titre	Nom du journal	Références (volume, pages)	Année	Hyperlien
Baulaz et al., 2024	Baulaz Y., Araignous E., Perez-Lopez P., Douziech M, Quillien N. & Verones F.	Development of a collision impact indicator to integrate in the life cycle assessment of offshore wind farms	The International Journal of Life Cycle Assessment		2024	https://doi.org/10.1007/s11367-024-02413-8
Hamard et al., 2024	Hamard Q., Pham M.-T., Cazau D., Heerah K.	A deep learning model for detecting and classifying multiple marine mammal species from passive acoustic data	Ecological Informatics	Vol. 84, 102906	2024	https://doi.org/10.1016/j.ecoinf.2024.102906
Labourgade et al., 2024	Labourgade P., Couturier L. I. E., Bourjea J., Wolliez M., Feunteun E., Reubens J. T., Trancart T.	Acoustic telemetry suggests the lesser spotted dogfish Scyliorhinus canicula stays and uses habitats within a French offshore wind farm	Marine Environmental Research	Vol. 202, 106802	2024	https://doi.org/10.1016/j.marenvres.2024.106802
Lehmann et al., 2024	Lehmann J., Fofack-García R., Ranchin T. & Pérez-López P.	Hierarchization of social impact subcategories: towards a systematic approach for enhanced stakeholders' representativeness	The International Journal of Life Cycle Assessment		2024	https://doi.org/10.1007/s11367-023-02275-6
Prata et al., 2024	Anindita Patra, Boutheina Oueslati, Youen Kervella, Paul Renaud, Laurent Dubus	Impact of climate change on wind resource along the French coastline	EMS Annual Meeting 2024		2024	https://doi.org/10.5194/ems2024-325_202
Quéroué et al., 2024	Quéroué M., Authier M., Besnard A. & Heerah K.	Going digital: challenges in monitoring marine megafauna when comparing results from visual and digital aerial surveys	Frontiers in Marine Science	Vol.11, 1432798	2024	https://doi.org/10.3389/fmars.2024.1432798
Robert et al., 2024	Robert A., Quillien N., Bacha M., Caille C., Nexer M., Parent B., Garlan T., Carpentier A., Amara R. & Desroy N.	Seasonal dynamic of the benthic food web in subtidal sandbanks	Marine Ecology Progress Series	Vol. 735, pp. 27-41	2024	https://doi.org/10.3354/meps14573
Tauran et al., 2024	Tauran A., Quillien N. & Grall J.	Patterns in macrobenthic diversity in the lower shore of northeastern Atlantic macrotidal sandy beaches	Marine Ecology Progress Series	Vol. 738, pp. 21-40	2024	https://doi.org/10.3354/meps14599
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
Durand et al., 2023	Durand N., Tassi P., Blanpain O. & Lefebvre A.	Understanding marine dune dynamics in a shallow shelf sea using sediment mobility indices	Proceedings of the 7th Marine and River Dune Dynamics Conference Series	Vol. 7, pp. 109-116	2023	https://marid7.sciencesconf.org/data/pages/proceedings.pdf
Gilletta de Saint Joseph et al., 2023	Gilletta de Saint Joseph A., Chauchat J., Bonamy C. & Robert M.	Hydrodynamic simulations of flow around a pile using turbulence-resolving models	Proceedings of the 7th Marine and River Dune Dynamics Conference Series	Vol. 7, pp. 125-134	2023	https://marid7.sciencesconf.org/data/pages/proceedings.pdf
Le Bot et al., 2023	Le Bot S., Bary M., Fournier M., Hústé A., Michelet N., Blanpain O., Nexer M. & Garlan 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
Lucero et al., 2023	Lucero F., Stringari C.E. & Filipot J.F.	Improving WAVEWATCH III hindcasts with machine learning	Coastal Engineering	Vol. 185, 104381	2023	https://doi.org/10.1016/j.coastaleng.2023.104381
Marclille et al., 2023	Marclille R., Thiébaud M., Tandeo P., & Filipot 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
Michelet et al., 2023	Michelet N., Bary M., Blanpain O., Le Bot S., Nexer M. & Lefebvre A.	Estimation of marine dune migration using a three-dimensional numerical modelling	Proceedings of the 7th Marine and River Dune Dynamics Conference Series	Vol. 7, pp. 195-202	2023	https://marid7.sciencesconf.org/data/pages/proceedings.pdf
Nexer et al., 2023	Nexer M., Garlan T., Lefebvre A., Quillien N., Gangloff A., Blanpain O., Le Bot S., Bacha M., Bary M., Durand N., Gilletta de Saint Joseph A., Chauchat J., Bonamy C., Robert M., Parent B., Garlan T., Feunteun E., Carpentier A., Amara R. & Desroy N.	Study marine dunes in an offshore windfarm context	Proceedings of the 7th Marine and River Dune Dynamics Conference Series	Vol. 7, pp. 217-224	2023	https://marid7.sciencesconf.org/data/pages/proceedings.pdf
Robert et al., 2023	Robert A., Quillien N., Bacha M., Caille C., Nexer M., Parent B., Garlan T., Feunteun E., Carpentier A., Amara R. & Desroy N.	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
Andrzejczak et al., 2022	Andrzejczak S., Lucas T.C.D., Goodman M.C., Hussey N.E., Armstrong A.J., Carlisle A., Coffey D.M., Gleiss A.C., Menni C., Frade R.M., Moller M.G., Menni B.	Diving into the vertical dimension of elasmobranch movement ecology	Sciences advances	Vol. 8, eabo1754	2022	https://doi.org/10.1126/sciadv.abo1754
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
Bourdaud P., 2021	Bourdaud P., Ben Rais Lasram F., Araignous E., Champagnat J., Grusd S., Halouani G., Hattab T., Leroy B., Nogués Q., Raoux A., & Lefebvre 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
Le Bot, 2021	Le Bot, 2021	Des dunes sous la mer	Géochronique	Vol. 157, pp. 33-38	2021	https://www.geosoc.fr/publication/geochronique/sommaires-et-resumes/1523-geochronique-157-dunes-1/file.html
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
Nogues et al., 2021	Nogues Q., Raoux A., Araignous E., Chaabani A., Hattab T., Leroy B., Lasram F.B.R., David V., Le Loc'h F., Dauvin J.C. & Hattab T.	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., 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	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., Garlan 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
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, e2020J016943	2021	https://doi.org/10.1029/2020J016943
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
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
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	https://doi.org/10.1016/j.coastaleng.2020.103755
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/
Ben Rais Lasram et al., 2020	Lasram F.B.R., Hattab T., Nogués 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
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	
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., Villalueva C.M., Raoux A., Dauvin J.C., Lasserre 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
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
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
Niquil et al., 2020	Niquil N., Haraldsson M., Araignous E., Halouani G., Leroy B., Safi G., Nogués Q., Grangeré K., Dauvin J.C., Riera F., Mazée C., Le Loc'h F., Chézeville G., Metzger T.	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	
Platzer et al., 2020	Platzer P., Fillpot 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
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., Freyvet 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., 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/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.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
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., Guimarães P., Leckler F., Holsmann J., Carrasco R., Leroy E., Fady N., Accensi M., Prevosto M., Duarte R. & Accensi M.	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., Tarits P., Marsset 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/sageep.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
Mouche et al., 2019	Mouche A., Chapron B., Knaff J., Zhao Y., Zhang B. & Combet C.	Copolarized 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/10.1029/2019JCO15056
Palix et al., 2019	Palix E., Damblans G., Puech A., Blanc M., Dano C., Mroueh H., Kham M., Perikleous Y. & Burlon S.	Le projet ANR SOLCYP+ pour améliorer le dimensionnement des monopieux utilisés comme fondations d'éoliennes marines	Revue française de la géotechnique	Vol. 158, 9 p.	2019	https://doi.org/10.1051/geotech/2019010
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
Raoux et al., 2019	Raoux A., Lassalle G., Pezy J.P., Lecchi S., Safi S., Erismine B., Mazée C., Le Loc'h F., Lequesne J., Girardin V., Dauvin J.C. & Niquil N.	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
Safi et al., 2019	Safi G., Giebels D., Arroyo N.L., Heymans J.J., Preciado I., Raoux A., Schückel U., Tecchio S., de Jonge V.N. & Niquil N.	Vitamine ENA: A framework for the development of ecosystem-based indicators for decision makers	Ocean & Coastal Management	Vol. 174, pp. 116-130	2019	https://doi.org/10.1016/j.ocecoaman.2019.03.005
Stavropoulou et al., 2019 (a)	Stavropoulou E., Dano C., Boulon M., Briffaut M., Sharma A. & Puech A.	Résistance au cisaillement des interfaces roche/coulis représentatives de pieux offshore	Revue Française de Géotechnique	Vol. 158, 6	2019	https://doi.org/10.1051/geotech/2019012
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
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	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., Zakaroffjan B., Marie L., Rubio A., Benhis A.C., Dumas F., Sentchev A., Sicot G., Barbin Y., Jousset S., Bonnat Raoux A., Chézeville G., Chézeville G., Tancray A., Grangeré K., Lecchi S., Pezy J.P., Lassalle G., Degraef S.	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
Raoux et al., 2017	Wilhelmsson D., Cachera M., Ernande B., Le Guena C., Autret R., Domet G., Fichaut B., Stanzé S., David L., Leclercq F., Ardhuin F., Ammann J., Grandjean P., Allemand P. & Fillpot J.F.	Benthic and fish aggregation inside an offshore wind farm: Which effects on the trophic web functioning?	Ecological Indicators	Vol. 72, p.33-46	2017	https://doi.org/10.1016/j.ecolind.2016.07.037
Autret et al., 2016	Autret R., Domet G., Fichaut B., Stanzé S., David L., Leclercq F., Ardhuin F., Ammann J., Grandjean P., Allemand P. & Fillpot J.F.	A comprehensive hydro-geomorphic study of cliff-top storm deposits on Baneg Island during winter 2013–2014	Marine Geology	Vol. 382, pp. 37-55	2016	http://dx.doi.org/10.1016/j.margeo.2016.09.014
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	https://doi.org/10.2112/COASTRES-D-15-00118.1
Suarez et al., 2015	Suarez S., Cancouët R., Floch F., Blaise E., Ardhuin 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