

Abbrégé	Auteurs	Titre	Nom du journal	Références (volume, pages)	Année	Hyperlien
Hulin et al., 2025	Hulin F., Prevosto M., Tassin A., Filipot J.-F., Jacques N. & Grill S.	Breaking onset and breaking strength of focused wave packets: Linear prediction model and nonlinear numerical simulations	Ocean Engineering	Vol. 197, 104660	2025	https://doi.org/10.1016/j.coastaleng.2024.104660
Baulaz et al., 2024	Baulaz Y., Araignou E., Perez-Lopez P., Douzlech 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
Civier et al., 2024	Civier L., Chevillotte Y., Bain C., Bles G., Damblans G., Davies P. & Marco Y.	Fatigue study of twisted polyamide sub-rope for floating wind turbines: Fast evaluation with heat build-up protocol and tomography study of mechanisms	International Journal of Fatigue		2024	https://doi.org/10.1016/j.ijfatigue.2024.108532
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 <i>Scyliorhinus canicula</i> 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-Garcia 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
Marcille et al., 2024	Marcille R., Tandeo P., Thiébaud M., Pinson P. & Fablet R.	Convolutional Encoding and Normalizing Flows: A Deep Learning Approach for Offshore Wind Speed Probabilistic Forecasting in the Mediterranean Sea	Artificial Intelligence for the Earth Systems	e230112	2024	https://doi.org/10.1175/AIES-D-23-0112.1
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., Cauille 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
Thermes et al., 2024	Thermes M., Fofack-Garcia R., Scotti M., Niquil N.	Qualitative modeling for representing the social-ecological system of the Groix-Belle-Ile offshore wind farm project	ICES Journal of Marine Science	Vol. 0, pp. 1-12	2024	https://doi.org/10.1093/icesjms/fsae095
Thiébaud et al. 2024	Thiébaud M., Thebault N., Le Boulluec M., Damblans G., Maisondeu C., Benzo C. & Guinot F.	Experimental Evaluation of the Motion-Induced Effects for Turbulent Fluctuations Measurement on Floating Lidar Systems	Remote Sensing	Vol. 16, 1337	2024	https://doi.org/10.3390/rs16081337
Thiébaud et al. 2024	Thiébaud M., Vonta L., Benzo C. & Guinot F.	Characterization of the offshore wind dynamics for wind energy production in the Gulf of Lion, Western Mediterranean Sea	Wind Energy and Engineering Research	Vol. 1, 100002	2024	https://doi.org/10.1016/j.weer.2024.100002
Zabatta et al., 2025	Zabatta R., Abadie C., Blanc M. & Coquoio T.	Centrifuge modelling of anchor piles under multi-directional loading for floating wind turbines	Proceedings of 5th European Conference on Physical Modelling in Geotechnics		2024	https://www.issmge.org/uploads/publications/53/125/ECPMG2024-144.pdf
Araignou et al., 2023	Araignou E., Safi G., Kervella Y., Michelet N., Luxcey 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
Battle Martin et al., 2023	Battle Martin M., Harris J.C., Filipot J.F., Hulin F., Tassin A. & Renaud P.	Deep water focused breaking wave loads on a fixed cylinder	Coastal Engineering	Vol. 186, 104397	2023	https://doi.org/10.1016/j.coastaleng.2023.104397
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
Dridi et al., 2023	Dridi N., Drumetz L., Hirvoas A. & Ribault R.	Estimation de l'incertitude pour les réseaux de neurones : application pour la prédiction de mouvement d'éolienne en mer	Actes du colloque GRETSI 2023	ID1278, 4 p.	2023	https://grets.fr/data/colloque/pdf/2023_dridi1278.pdf
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
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
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., Husté A., Michelet N., Blanpain O., Nexer M. & Garlan T.	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, 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
Marcille et al., 2023	Marcille 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., Michelet N., Godeffroy S., Robert M.	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
Portas et al., 2023	Portas A., Carriot N., Ortalo-Magné A., Damblans G., Thiébaud M., Cullioi 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
Renaud et al., 2023	Renaud P., Battle Martin M., Hulin F., Harris J. C., Filipot J. F. & Scolan 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.2023.115928
Renaud et al., 2023	Renaud P., Hulin F., Battle Martin M., Scolan Y.M., Tassin A., Jacques N., Harris J.C. & Filipot J.F.	Semi-analytical load models accounting for the tilt and motion of a cylinder impacted by a plunging breaking wave	Proceedings of the ASME 42nd International Conference on Ocean, Offshore and Arctic Engineering	Vol. 2, V002T02A021	2023	https://doi.org/10.1115/OMAEE2023-FM2
Robert et al., 2023	Robert A., Quillien N., Bacha M., Cauille 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
Schoefs et al., 2023	Schoefs F., Oumouni M., Ahmadivala M., Luxcey N., Dupriez-Robin F. & Guerin P.	Unified System Analysis for Time-Variant Reliability of a Floating Offshore Substation	Marine Science and Engineering	Vol. 11, 1924	2023	https://doi.org/10.3390/mse11101924
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
Andrzejczek et al., 2022	Andrzejczek S., Lucas I.C.D., Goodman M.C., Hussey N.E., Armstrong A.J., Carlisle A., Coffey D.M., Gleiss A.C., Hironaka C., Jacoby D.M., Macken M.C., Mowler L., Post	Diving into the vertical dimension of elasmobranch movement ecology	Sciences advances	Vol. 8, eabo1754	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

Battle Martin et al., 2022	Battle Martin M., Harris J. C., Renaud P., Hulín F. & Filipo 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	https://hal.science/hal-03721266/document
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
García-Teruel et al., 2022	García-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-Beat B., Lassalle G., Michelet N., Serre S., Safi G., Lejart M., Niquil M., Raoux A., Mazé C. & Mouton A.	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., Filipo 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-García 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., Grud S., Halouani G., Hattab T., Leroy B., Nogués Q., Raoux A., Mazé C. & Mouton 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/foag.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.ijscr.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	https://www.geosoc.fr/publication/geochronique/sommaires-et-resumes/1523-geochronique-157-dunes-1/file.html
Lovera et al., 2021	Lovera A., Ghabzeloo S., Sulem J., Randolph M.F., Kham M. & Palik 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
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., 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 (b)	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	https://doi.org/10.3390/jmse9060598
Mercier et al., 2021	Mercier P., Thiébaud M., Guillou S., Maisondieu C., Polzot E., Pieterse A., Thiébot J., Filipo 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-García R., Haraldsson M., Thernes M., Raoux A., Le Loch 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
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Platzer et al., 2021	Platzer P., Yiu P., Naveau P., Filipo 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., Caulle, 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., García-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., Filipo 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., Filipo 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
Tunga et al., 2021	Tunga I., García-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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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
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Ben Rais Lasram et al., 2020	Lasram F.B.R., Hattab T., Nogues Q., Beauprand G., Dauvin J.C., Halouani G., Le Loch 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
Bennis et al., 2020	Bennis A.C., Furgerot L., Du Bois P.B., Dumas F., Odaka T., Lathuilière C. & Filipo 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
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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
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