

Abbrégé	Auteurs	Titre	Nom du journal	Références (volume, pages)	Année	Hyperlien
Civier et al., 2024	Civier L., Chevillotte Y., Bain C., Bles G., Damblans G., Davies P. & Marco Y.	Fatigue study of twisted polyamide sub-ropes for floating wind turbines: Fast evaluation with heat build-up protocol and tomography study of mechanisms	International Journal of Fatigue	Vol. 188, 108532	2024	<a href="https://doi.org/10.1016/j.ijfatigue.2024.108532">https://doi.org/10.1016/j.ijfatigue.2024.108532</a>
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	<a href="https://doi.org/10.1007/s11367-023-02275-6">https://doi.org/10.1007/s11367-023-02275-6</a>
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	<a href="https://doi.org/10.1175/AIES-D-23-0112.1">https://doi.org/10.1175/AIES-D-23-0112.1</a>
Robert et al., 2024	Robert A., Quillien N., Bacha M., Cauille C., Nexer M., Parent B., Garland 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	<a href="https://doi.org/10.3354/meps14573">https://doi.org/10.3354/meps14573</a>
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	<a href="https://doi.org/10.3354/meps14599">https://doi.org/10.3354/meps14599</a>
Thiébaud et al. 2024	Thiébaud M., Thebault N., Le Boulluec M., Damblans G., Maisondieu 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	<a href="https://doi.org/10.3390/rs16081337">https://doi.org/10.3390/rs16081337</a>
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	<a href="https://doi.org/10.1016/j.weer.2024.100002">https://doi.org/10.1016/j.weer.2024.100002</a>
Araignous et al., 2023	Araignous 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	<a href="https://doi.org/10.36688/imej.6.63-90">https://doi.org/10.36688/imej.6.63-90</a>
Battle Martin et al., 2023	Battle Martin M., Harris J.C., Fillpot J.F., Hulín F., Tassin A. & Renaud P.	Deep water focused breaking wave loads on a fixed cylinder	Coastal Engineering	Vol. 186, 104397	2023	<a href="https://doi.org/10.1016/j.coastaleng.2023.104397">https://doi.org/10.1016/j.coastaleng.2023.104397</a>
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	<a href="https://doi.org/10.1016/j.ecoser.2023.101513">https://doi.org/10.1016/j.ecoser.2023.101513</a>
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	<a href="https://grets.fr/data/colloque/pdf/2023_dridi1278.pdf">https://grets.fr/data/colloque/pdf/2023_dridi1278.pdf</a>
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	<a href="https://doi.org/10.1016/j.ocecoaman.2023.106513">https://doi.org/10.1016/j.ocecoaman.2023.106513</a>
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	<a href="https://marid7.sciencesconf.org/data/pages/proceedings.pdf">https://marid7.sciencesconf.org/data/pages/proceedings.pdf</a>
Lucero et al., 2023	Lucero F., Stringari C.E. & Fillpot J.F.	Improving WAVEWATCH III hindcasts with machine learning	Coastal Engineering	Vol. 185, 104381	2023	<a href="https://doi.org/10.1016/j.coastaleng.2023.104381">https://doi.org/10.1016/j.coastaleng.2023.104381</a>
Marcille et al., 2023	Marcille M., Thiébaud M., Tandeo P., & Fillpot J.F.	Gaussian mixture models for the optimal sparse sampling of offshore wind resource	Wind Energy Science	Vol. 8, pp.771-786	2023	<a href="https://doi.org/10.5194/wes-8-771-2023">https://doi.org/10.5194/wes-8-771-2023</a>
Portas et al., 2023	Portas A., Carriot N., Ortalo-Magné A., Damblans G., Thiébaud M., Culioli 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	<a href="https://doi.org/10.1016/j.marenvres.2023.106241">https://doi.org/10.1016/j.marenvres.2023.106241</a>
Renaud et al., 2023	Renaud P., Battle Martin M., Hulín F., Harris J. C., Fillpot 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	<a href="https://doi.org/10.1016/j.oceaneng.2023.115928">https://doi.org/10.1016/j.oceaneng.2023.115928</a>
Renaud et al., 2023	Renaud P., Hulín F., Battle Martin M., Scolan Y.M., Tassin A., Jacques N., Harris J.C. & Fillpot 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	<a href="https://doi.org/10.1115/OMAE2023-FM2">https://doi.org/10.1115/OMAE2023-FM2</a>
Robert et al., 2023	Robert A., Quillien N., Bacha M., Cauille C., Nexer M., Parent B., Garland 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	<a href="https://marid7.sciencesconf.org/data/pages/proceedings.pdf">https://marid7.sciencesconf.org/data/pages/proceedings.pdf</a>
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	<a href="https://doi.org/10.3390/mse11101924">https://doi.org/10.3390/mse11101924</a>
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	<a href="https://doi.org/10.1016/j.oceaneng.2023.115928">https://doi.org/10.1016/j.oceaneng.2023.115928</a>
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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	<a href="https://doi.org/10.1080/00405000.2022.2105075">https://doi.org/10.1080/00405000.2022.2105075</a>
Battle Martin et al., 2022	Battle Martin M., Harris J. C., Renaud P., Hulín F. & Fillpot 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	<a href="https://hal.science/hal-03721266/document">https://hal.science/hal-03721266/document</a>
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	<a href="https://doi.org/10.1016/j.oceaneng.2022.111800">https://doi.org/10.1016/j.oceaneng.2022.111800</a>
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	<a href="https://doi.org/10.1016/j.renene.2022.09.053">https://doi.org/10.1016/j.renene.2022.09.053</a>
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	<a href="https://doi.org/10.1017/sus.2022.14">https://doi.org/10.1017/sus.2022.14</a>
Le Marchand et al., 2022	Le Marchand E., Ben Rais Lasram F., Araignous E., Saint-Gerard B., Lassalle G., Michelet N., Serre S., Safi G., Lejart M., Niquil N. & Grall J.	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>
Portas et al., 2022	Portas A., Quillien N., Culioli G. & Briand J.F.	Eukaryotic diversity of marine biofouling from coastal to offshore areas	Frontiers in Marine Science	Vol. 9, 971939	2022	<a href="https://doi.org/10.3389/fmars.2022.971939">https://doi.org/10.3389/fmars.2022.971939</a>
Thiébaud et al., 2022	Thiébaud M., Quillien N., Maison A., Gaborieau H., Ruiz N., MacKenzie S., Connor G., Fillpot 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>
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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/mse9080810">https://doi.org/10.3390/mse9080810</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>

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Marty et al., 2021 (a)	Marty A., Berhaut C., Damblans 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	<a href="https://doi.org/10.1016/j.apor.2021.102810">https://doi.org/10.1016/j.apor.2021.102810</a>
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