

Abrégé	Auteurs	Titre	Nom du journal	Références (volume, pages)	Année	Hyperlien
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>
Mercier et al., 2021	Mercier P., Thiébaud M., Guillou S., Maisondieu C., Poizot E., Pieterse A., Thiébot J., Fillpot 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>
Bailly du Bois et al., 2020	Bailly du Bois P., Dumas F., Morillon M., Furgerot L., Voiseux C., Poizot 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>
Bennis et al., 2020	Bennis A.C., Furgerot L., Du Bois P.B., Dumas F., Odaka T., Lathuiliere C. & Fillpot 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>
Furgerot et al., 2020	Furgerot L., Sentechev A., Bailly du Bois P., Lopez G., Morillon M., Poizot 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>
Lopez et al., 2020	Lopez G., Bennis A.C., Barbin Y., Sentechev 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>
Sentechev et al., 2020	Sentechev 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>
Sentechev et al., 2020	Sentechev 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-stream_energy_site_in_Alderney_Race">https://www.researchgate.net/publication/345373984_Turbulence_characterization_at_tidal-stream_energy_site_in_Alderney_Race</a>
Thiébaud et al., 2020	Thiébaud M., Fillpot 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., Fillpot 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., Fillpot J.F., Maisondieu C., Damblans G., Jochum C., Kilcher 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>
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	<a href="https://doi.org/10.1098/rsta.2019.0498">https://doi.org/10.1098/rsta.2019.0498</a>
Thiébaud et al., 2019	Thiébaud M., Sentechev A. & Du Bois P.B.	Merging velocity measurements and modeling to improve understanding of tidal stream resource in Alderney Race	Energy	Vol. 178, pp.460-470	2019	<a href="https://doi.org/10.1016/j.energy.2019.04.171">https://doi.org/10.1016/j.energy.2019.04.171</a>
Ikhennicheu et al., 2018	Ikhennicheu M., Gaurier B., Druault P. & Germain G.	Experimental analysis of the floor inclination effect on the turbulent wake developing behind a wall mounted cube	European Journal of Mechanics-B/Fluids	Vol. 72, pp.340-352	2018	<a href="https://doi.org/10.1016/j.euromechflu.2018.07.003">https://doi.org/10.1016/j.euromechflu.2018.07.003</a>
Pinon et al., 2017	Pinon G., Hurst M.F. & Lukeba E.	Semi-analytical estimate of energy production from a tidal turbine farm with the account of ambient turbulence	International journal of marine energy	Vol. 19, pp. 70-82	2017	<a href="https://doi.org/10.1016/j.ijome.2017.05.003">https://doi.org/10.1016/j.ijome.2017.05.003</a>
Fillpot et al., 2014	Fillpot J.F., Delafosse C., Martin t. & Baston S.	On the modeling errors in the tidal power assessment	Proceedings of the International Conference on Ocean Energy 2014	7 p.	2014	<a href="https://archimer.ifremer.fr/doc/00230/34114/32569.pdf">https://archimer.ifremer.fr/doc/00230/34114/32569.pdf</a>
Jourdin et al., 2014	Jourdin F., Tessier C., Le Hir P., Verney R., Lunven M., Loyer S., Lusven A., Fillpot J.F. & Lepesqueur J.	Dual-frequency ADCPs measuring turbidity	Geo-Marine Letters	Vol. 34, pp. 381-397	2014	<a href="https://link.springer.com/article/10.1007/s00367-014-0366-2">https://link.springer.com/article/10.1007/s00367-014-0366-2</a>