

# Charly de Marez

## List of Publications by Year in descending order

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151  
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#	ARTICLE	IF	CITATIONS
1	On the 3D structure of eddies in the Arabian Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 150, 103057.	1.4	34
2	The life cycle of submesoscale eddies generated by topographic interactions. Ocean Science, 2019, 15, 1531-1543.	3.4	21
3	Observations of a Deep Submesoscale Cyclonic Vortex in the Arabian Sea. Geophysical Research Letters, 2020, 47, e2020GL087881.	4.0	18
4	Heat Content Anomaly and Decay of Warm Core Rings: the Case of the Gulf of Mexico. Geophysical Research Letters, 2020, 47, e2019GL085600.	4.0	17
5	Study of the stability of a large realistic cyclonic eddy. Ocean Modelling, 2020, 146, 101540.	2.4	14
6	Oceanic vortex mergers are not isolated but influenced by the $\beta^2$ -effect and surrounding eddies. Scientific Reports, 2020, 10, 2897.	3.3	14
7	Interaction of the Gulf Stream with small scale topography: a focus on lee waves. Scientific Reports, 2020, 10, 2332.	3.3	12
8	Structure and Dynamics of the Ras al Hadd Oceanic Dipole in the Arabian Sea. Oceans, 2021, 2, 105-125.	1.3	11
9	Life cycle of mesoscale eddies in the Gulf of Aden. Geophysical and Astrophysical Fluid Dynamics, 2020, 114, 631-649.	1.2	9
10	On the dynamics of an idealised bottom density current overflowing in a semi-enclosed basin: mesoscale and submesoscale eddies generation. Geophysical and Astrophysical Fluid Dynamics, 2020, 114, 607-630.	1.2	5
11	The Interaction of Two Surface Vortices Near a Topographic Slope in a Stratified Ocean. Fluids, 2017, 2, 57.	1.7	4
12	Vortex-wall interaction on the $\langle i \rangle^2 \langle i \rangle$ -plane and the generation of deep submesoscale cyclones by internal Kelvin Waves-current interactions. Geophysical and Astrophysical Fluid Dynamics, 2020, 114, 588-606.	1.2	4
13	The influence of merger and convection on an anticyclonic eddy trapped in a bowl. Ocean Modelling, 2021, 167, 101874.	2.4	4
14	The Dynamical Structure of a Warm Core Ring as Inferred from Glider Observations and Along-Track Altimetry. Remote Sensing, 2021, 13, 2456.	4.0	3
15	Spreading and Vertical Structure of the Persian Gulf and Red Sea Outflows in the Northwestern Indian Ocean. Journal of Geophysical Research: Oceans, 2021, 126, e2019JC015983.	2.6	2
16	Interaction of an Upwelling Front with External Vortices: Impact on Cross-shore Particle Exchange. Regular and Chaotic Dynamics, 2021, 26, 543-561.	0.8	0