# M R Palmer

List of Publications by Year
in descending order



| 36 | 973 | 430874 | 454955 |
|---|---|---|---|
| papers | citations | 18 h-index | 30 g-index |

| 49 | 49 | 49 | 1323 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Springâ€neap modulation of internal tide mixing and vertical nitrate fluxes at a shelf edge in summer. Limnology and Oceanography, 2007, 52, 1735-1747. | 3.1 | 153 |
| 2 | Internal tidal mixing as a control on continental margin ecosystems. Geophysical Research Letters, 2009, 36, . | 4.0 | 89 |
| 3 | OceanGliders: A Component of the Integrated GOOS. Frontiers in Marine Science, 2019, 6, . | 2.5 | 83 |
| 4 | Thermocline mixing in summer stratified continental shelf seas. Geophysical Research Letters, 2005, 32, . | 4.0 | 58 |
| 5 | An investigation of internal mixing in a seasonally stratified shelf sea. Journal of Geophysical Research, 2008, 113, . | 3.3 | 55 |
| 6 | Internal waves, baroclinic energy fluxes and mixing at the European shelf edge. Continental Shelf Research, 2008, 28, 937-950. | 1.8 | 41 |
| 7 | Eruption of SoufriÃ¨re Hills (1995â€“2009) from an offshore perspective: Insights from repeated swath bathymetry surveys. Geophysical Research Letters, 2010, 37, . | 4.0 | 39 |
| 8 | The physical oceanography of Jones Bank: A mixing hotspot in the Celtic Sea. Progress in Oceanography, 2013, 117, 9-24. | 3.2 | 38 |
| 9 | Enhanced nutrient fluxes at the shelf sea seasonal thermocline caused by stratified flow over a bank. Progress in Oceanography, 2013, 117, 37-47. | 3.2 | 32 |
| 10 | Internal tide coherence and decay over a wide shelf sea. Geophysical Research Letters, 2011, 38, n/a-n/a. | 4.0 | 29 |
| 11 | The small pelagic fishery of the Pemba Channel, Tanzania: What we know and what we need to know for management under climate change. Ocean and Coastal Management, 2020, 197, 105322. | 4.4 | 29 |
| 12 | Shelfâ€Break Upwelling and Productivity Over the North Kenya Banks: The Importance of Largeâ€Scale Ocean Dynamics. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015519. | 2.6 | 29 |
| 13 | Submarine pyroclastic deposits formed during the 20th May 2006 dome collapse of the SoufriÃ¨re Hills Volcano, Montserrat. Bulletin of Volcanology, 2012, 74, 391-405. | 3.0 | 27 |
| 14 | Generation of baroclinic tides over an isolated underwater bank. Journal of Geophysical Research: Oceans, 2013, 118, 4395-4408. | 2.6 | 27 |
| 15 | The Liverpool Bay Coastal Observatory. Ocean Dynamics, 2011, 61, 1917-1926. | 2.2 | 25 |
| 16 | Storms modify baroclinic energy fluxes in a seasonally stratified shelf sea: Inertialâ€tidal interaction. Journal of Geophysical Research: Oceans, 2014, 119, 6863-6883. | 2.6 | 22 |
| 17 | Control of a phytoplankton bloom by windâ€driven vertical mixing and light availability. Limnology and Oceanography, 2021, 66, 1926-1949. | 3.1 | 21 |
| 18 | Interannual monsoon wind variability as a key driver of East African small pelagic fisheries. Scientific Reports, 2020, 10, 13247. | 3.3 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Annual Cycle of Turbulent Dissipation Estimated from Seagliders. Geophysical Research Letters, 2018, 45, 10,560. | 4.0 | 18 |
| 20 | Impact of vertical mixing on sea surface pCO<sub>2</sub> in temperate seasonally stratified shelf seas. Journal of Geophysical Research: Oceans, 2014, 119, 3868-3882. | 2.6 | 17 |
| 21 | Glider observations of enhanced deep water upwelling at a shelf break canyon: A mechanism for crossâ€slope carbon and nutrient exchange. Journal of Geophysical Research: Oceans, 2016, 121, 7575-7588. | 2.6 | 16 |
| 22 | Variable behavior in pycnocline mixing over shelf seas. Geophysical Research Letters, 2013, 40, 161-166. | 4.0 | 13 |
| 23 | Challenging Vertical Turbulence Mixing Schemes in a Tidally Energetic Environment: 1. 3â€D Shelfâ€Sea Model Assessment. Journal of Geophysical Research: Oceans, 2019, 124, 6360-6387. | 2.6 | 11 |
| 24 | Evolution of Oceanic Near-Surface Stratification in Response to an Autumn Storm. Journal of Physical Oceanography, 2019, 49, 2961-2978. | 1.7 | 10 |
| 25 | Towards a Multiâ€Platform Assimilative System for North Sea Biogeochemistry. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016649. | 2.6 | 10 |
| 26 | Baroclinic energy flux at the continental shelf edge modified by windâ€mixing. Geophysical Research Letters, 2015, 42, 1826-1833. | 4.0 | 9 |
| 27 | The Evolution of the Silver Hills Volcanic Center, and Revised <sup>40</sup>Ar/<sup>39</sup>Ar Geochronology of Montserrat, Lesser Antilles, With Implications for Island Arc Volcanism. Geochemistry, Geophysics, Geosystems, 2018, 19, 427-452. | 2.5 | 9 |
| 28 | Internal tides and tidal cycles of vertical mixing in western <scp>L</scp>ong <scp>I</scp>sland <scp>S</scp>ound. Journal of Geophysical Research: Oceans, 2016, 121, 1063-1084. | 2.6 | 8 |
| 29 | Managing emerging fisheries of the North Kenya Banks in the context of environmental change. Ocean and Coastal Management, 2021, 209, 105671. | 4.4 | 8 |
| 30 | Shelf Seas Baroclinic Energy Loss: Pycnocline Mixing and Bottom Boundary Layer Dissipation. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016528. | 2.6 | 6 |
| 31 | Marine robots for coastal ocean research in the Western Indian Ocean. Ocean and Coastal Management, 2021, 212, 105805. | 4.4 | 6 |
| 32 | The perturbation method - A novel large-eddy simulation technique to model realistic turbulence: Application to tidal flow. Ocean Modelling, 2019, 135, 31-39. | 2.4 | 4 |
| 33 | Simultaneous assessment of oxygen- and nitrate-based net community production in a temperate shelf sea from a single ocean glider. Biogeosciences, 2021, 18, 6167-6180. | 3.3 | 4 |
| 34 | The Three Rs: Resolving Respiration Robotically in Shelf Seas. Geophysical Research Letters, 2022, 49, . | 4.0 | 4 |
| 35 | Locally Modified Winds Regulate Circulation in a Semiâ€Enclosed Shelf Sea. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 1 |
| 36 | Climatic Controls on the Spring Phytoplankton Growing Season in a Temperate Shelf Sea. Journal of Geophysical Research: Oceans, 2022, 127, . | 2.6 | 1 |