

# Cecilia Rorai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5415314/publications.pdf>

Version: 2024-02-01

12  
papers

233  
citations

1163117

8  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

305  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Turbulence comes in bursts in stably stratified flows. <i>Physical Review E</i> , 2014, 89, 043002.  | 2.1 | 51        |
| 2  | A microfluidic device to sort capsules by deformability: a numerical study. <i>Soft Matter</i> , 2014, 10, 7705-7711.  | 2.7 | 49        |
| 3  | Helicity dynamics in stratified turbulence in the absence of forcing. <i>Physical Review E</i> , 2013, 87, 063007.   | 2.1 | 30        |
| 4  | Approach and separation of quantised vortices with balanced cores. <i>Journal of Fluid Mechanics</i> , 2016, 808, 641-667.   | 3.4 | 26        |
| 5  | Motion of an elastic capsule in a constricted microchannel. <i>European Physical Journal E</i> , 2015, 38, 134.  | 1.6 | 23        |
| 6  | Stably stratified turbulence in the presence of large-scale forcing. <i>Physical Review E</i> , 2015, 92, 013003.  | 2.1 | 17        |
| 7  | Propagating and annihilating vortex dipoles in the Gross-Pitaevskii equation. <i>Physical Review B</i> , 2013, 88, .   | 3.2 | 16        |
| 8  | Quantized vortex reconnection: Fixed points and initial conditions. <i>Physical Review B</i> , 2012, 86, .   | 3.2 | 8         |
| 9  | On the limitations of some popular numerical models of flagellated microswimmers: importance of long-range forces and flagellum waveform. <i>Royal Society Open Science</i> , 2019, 6, 180745. | 2.4 | 8         |
| 10 | Hydrodynamic Focusing of an Elastic Capsule in Stokes flow: An Exploratory Numerical Study. <i>Procedia IUTAM</i> , 2015, 16, 41-49.   | 1.2 | 2         |
| 11 | Helical Turbulence in Fluids and MHD. <i>ERCOFTAC Series</i> , 2015, , 549-559.  | 0.1 | 2         |
| 12 | Modeling the saltwater intrusion in the lowlying catchment of the southern Venice Lagoon, Italy. , 2009, , .   |     | 1         |