

# List of Publications

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## Articles in Primary Journals and Refereed Volumes

- [1] **Ricca, R.L.** (1991) Intrinsic equations for the kinematics of a classical vortex string in higher dimensions. *Physical Review A* **43**, 4281-4288.
- [2] **Ricca, R.L.** (1991) Rediscovery of Da Rios equations. *Nature* **352**, 561-562.
- [3] Moffatt, H.K. & **Ricca, R.L.** (1991) Interpretation of invariants of the Betchov-Da Rios equations and of the Euler equations. In *The Global Geometry of Turbulence* (ed. J. Jimenez), NATO ASI B **268**, pp. 257-264. Plenum Press.
- [4] **Ricca, R.L.** & Moffatt, H.K. (1992) The helicity of a knotted vortex filament. In *Topological Aspects of the Dynamics of Fluids and Plasmas* (ed. H.K. Moffatt *et al.*), pp. 225-236. Kluwer.
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- [11] **Ricca, R.L.** (1995) Geometric and topological aspects of vortex filament dynamics under LIA. In *Small-Scale Structures in Three-Dimensional Hydro and Magneto-hydrodynamics Turbulence* (ed. M. Meneguzzi *et al.*), pp. 99-104. Lecture Notes in Physics **462**. Springer-Verlag.
- [12] **Ricca, R.L.** (1996) The contributions of Da Rios and Levi-Civita to asymptotic potential theory and vortex filament dynamics. *Fluid Dyn. Res.* **18**, 245-268.
- [13] **Ricca, R.L.** & Berger, M.A. (1996) Topological ideas and fluid mechanics. *Phys. Today* **49** (12), 24-30. [Also in: (1997) *Parity* **10**, 20-28.]
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- [17] **Ricca, R.L.** (1998) Applications of knot theory in fluid mechanics. In *Knot Theory* (ed. V.F.R. Jones *et al.*), pp. 321-346. Banach Center Publ. **42**, Polish Academy of Sciences, Warsaw.
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**Edited Volumes**

- [1] **Ricca, R.L.** Ed. (2001) *An Introduction to the Geometry and Topology of Fluid Flows*. NATO ASI Series II, **47**. Kluwer. Dordrecht, The Netherlands.
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