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Authors: V. Vega, L. Gelde, A.S. González, V.M. Prida, B. Hernando, J. Benavente



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Diffusive transport through surface functionalized nanoporous alumina membranes by atomic layer deposition of metal oxides

V. Vega^{1,2,*}, L. Gelde³, A. S. González², V.M. Prida², B. Hernando², J. Benavente³

¹ Laboratorio de Membranas Nanoporosas. Servicios Científico-Técnicos, Universidad de Oviedo, 33006 Oviedo, Spain.

² Departamento de Física, Facultad de Ciencias, Universidad de Oviedo, 33007 Oviedo, Spain.

³ Departamento de Física Aplicada I, Facultad de Ciencias, Universidad de Málaga, 29071 Málaga, Spain.

* vegavictor@uniovi.es

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