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Autore	Peters Christoph
Titolo	Grain-size effects in nanoscaled electrolyte and cathode thin films for solid oxide fuel cells (SOFC)
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Collana	Schriften des Instituts für Werkstoffe der Elektrotechnik, Universität Karlsruhe (TH) / Institut für Werkstoffe der Elektrotechnik
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
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Sommario/riassunto	Due to their high energy conversion efficiencies and low emissions, Solid Oxide Fuel Cells (SOFCs) show promise as a replacement for combustion-based electrical generators at all sizes. Further increase of SOFC efficiency can be achieved by microstructural optimization of the oxygen-ion conducting electrolyte and the mixed ionic-electronic conducting cathode. By application of nanoscaled thin films, the exceptionally high efficiency allows the realization of mobile SOFCs.

2. Record Nr.	UNINA9910376061403321
Autore	Muller Gilles
Titolo	Proceedings of the Fifth Workshop on Programming Languages and Operating Systems
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Descrizione fisica	1 online resource (40 pages)
Collana	ACM Conferences.
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