

# Nanostructured Superconductors

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1 creating nanostructured superconductors on demand by local current annealing hongwoo baek 1, 2 ,†, jeonghoon ha, 3, duming zhang, 3, bharath natarajan1,3, jonathan p.

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nanostructured superconductors: the properties of nanostructured superconductors are reviewed. basic facts regarding structure, transport and in particular ...

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superconducting nanostructured magnesium diboride 425 the mean size of the mgb2 particles is around 70 to 80 nm. some of these particles conglomerate in

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research interests: nanostructured and amorphous materials for solid state hydrogen storage; nanostructure superconductors

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we have fabricated two- and three-dimensional nanostructured superconductors, and observed vortex penetrations by magneto-optical imaging. in the case of two-di

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katholieke universiteit leuven nanostructured superconductors: how to enhance vortex pinning and critical fields? v. v. moshchalkov laboratorium voor vaste-stoffysica ...

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superconductivity results from a bose condensate of cooper-paired electrons with a macroscopic quantum wavefunction. dramatic effects can occur when the region of the ...

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physics from universidad complutense de madrid (ucm) in 1998 with a work on high- $t_c$  superconducting films and superlattices, which was awarded with the premio ...

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ratchet effect in nanostructured superconductors and biological motors j. l. vicent departamento física materiales, facultad cc. físicas, universidad complutense,

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aims and scope: novel phenomena have recently been found in nanostructured superconductors. in some nanostructured systems, superconductors are combined with magnets ...

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plourde, b. l. t. (2009). nanostructured superconductors with asymmetric pinning potentials: vortex ratchets. ieee transactions on applied superconductivity, 19(5 ...