

Title (en)  
HYDROPHOBIC AEROGELS

Title (de)  
HYDROPHOBE AEROGELE

Title (fr)  
AÉROGELS HYDROPHOBES

Publication  
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Application  
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Abstract (en)  
[origin: WO2010080237A2] Methods of making hydrophobic aerogels are described. Disclosed methods include forming a surface-modified metal oxide aerogel precursor from a sol comprising a solvent, a metal oxide precursor, and a hydrophobic surface modifying agent. The resulting modified precursor can be dried to form hydrophobic aerogels. Methods of forming the surface-modified metal oxide aerogel precursor include hydrolyzing the metal oxide precursor and co-condensing the hydrolyzed metal oxide precursor and the hydrophobic surface modifying agent. Hydrophobic aerogels and hydrophobic aerogel articles are also disclosed.

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