

عنوان مقاله:

Qualitative investigation on effective parameters of nanoporous polymers used for hydrogen adsorption

محل انتشار:

دومین کنفرانس بین المللی زئولیت ایران (سال: 1389)

تعداد صفحات اصل مقاله: 4

نویسندگان:

Mojtaba Matloob Moghadam - Sharif University of Technology

Mohammad Mahdi Saatchi - Sharif University of Technology

Masoud Frounchi - Sharif University of Technology

Seyed Abbas Mousavi - Sharif University of Technology

خلاصه مقاله:

The problems of fossil fuels have compelled the governments to replace alternative energy sources such as Hydrogen with traditional resources. However, Hydrogen's low storage capability has hampered the process. In many scientist councils, an adsorption capacity of 6 wt% has been proposed for industrial applications. In this work we qualitatively investigate the storage of hydrogen in nanoporous polymers and examine the effective parameters on hydrogen adsorption. Low density, monolithic and high scale production, good processing and low cost of nanoporous polymers make them a good choice for hydrogen storage media

کلمات کلیدی:

hydrogen adsorption, nanoporous polymers, polymer synthesize

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/88613>

