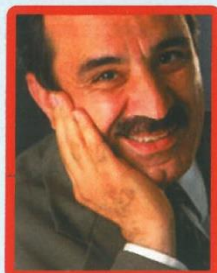


رتبه اول ایرانی مقیم خارج
First Winner - Iranian Researcher Resident Abroad



Project Title:

Synthesis, Preparation and Characterization of Nanoporous Membranes and Molecular Modelling of Transport and Separation of Fluid Mixtures therein

Researcher:

Mohammad Sahimi (Ph.D.)

Country of Residence:

U. S. A

University:

South California

عنوان طرح:

سنتز، آماده سازی و مشخصات لایه های غشایی نانو و مدل سازی مولکولی و تفکیک مخلوط سیالات

محقق:

دکتر محمد سهیمی

کشور مقیم:

آمریکا

دانشگاه:

کالیفرنیا جنوبی

Abstract:

The researcher has worked on synthesis, preparation and characterization of nanoporous membranes and molecular modelling of transport and separation of fluid mixtures by above mentioned technique for the past five years drawing on his 18 years experience on more than 35 projects.

His research spans work on three types of membranes, Carbon Molecular Sieve, Pillard Clay and Silicon Carbides.

This techniques have wide spread use in separation of liquid mixtures in pharmaceutical gas mixture separation in natural gas and in environmental protection industries. He has published 6 books and more than 300 papers in conferences and ISI journals.