

XIONG JUNYING

PATENT APPLICATIONS

1. Chinese Patent: Luo ZJ, Wang YZ, Chang N, Xiong JY, A Solvent Absorption Method for Separation of Hydrocarbon Mixtures, Patent No. CN1294110
2. US patent (provisional): Xiong JY, Liu XY, Chung TS, Chen SB, Polymeric Nanoparticles and Method of Preparation, 2004.
3. US patent (provisional): Liu XY, Li JL, Xiong JY, Nanoparticles and Method of Preparation, 2006.

CONFERENCES

- NAMS (The North American Membrane Society) 2016, Bellevue, Washington USA
 - XIONG JY, CHENG ZL, WAN CF, CHEN SC, CHUNG TS, Analysis of Flux Reduction Behaviors of PRO Hollow Fiber Membranes: Experiments, Mechanisms, and Implications
 - HAN G, ZUO J, XIONG JY, CHUNG TS, Hybrid Pressure Retarded Osmosis-Membrane Distillation (PRO-MD) Process for Renewable Power and Clean Water Generation
- E-MRS (The European Materials Research Society) 2004 spring meeting, Strasbourg, 2004

PUBLICATIONS

1. Xiong JY, Cai DJ, Chong QY, Lee SH, Chung TS, Osmotic power generation by inner selective hollow fiber membranes: An investigation of thermodynamics, mass transfer, and module scale modelling, *Journal of Membrane Science*, 2016
2. Xiong JY, Cheng ZL, Wan CF, Chen SC, Chung TS, Analysis of flux reduction behaviors of PRO hollow fiber membranes: Experiments, mechanisms, and implications, *Journal of Membrane Science*, 2016
3. Gai WX, Li X, Xiong JY, Wan CF, Chung TS, Evolution of Micro-deformation in Inner-selective Thin Film Composite Hollow Fiber Membranes and Its Implications for Osmotic Power Generation, *Journal of Membrane Science*, 2016
4. Xiong JY, Liu XY, Martin WV, Architecture of Macromolecular Network of Soft Functional Materials: from Structure to Function, *The Journal of Physical Chemistry B*, 2007
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10. Xiong JY, Liu XY, Chen SB, Chung TS, Preferential Solvation Stabilization for Hydrophobic Polymeric Nanoparticle Fabrication, *The Journal of Physical Chemistry B*, 2005
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13. Xiong JY, Liu XY, Sawant PD, Chen SB, Chung TS, Pramoda KP, Surfactant free fabrication of polymeric nanoparticles by combined liquid–liquid phase separation and solvent/nonsolvent mixing technology, *Journal of Chemical Physics*, 2004
14. Xiong JY, Tian HB, Zhou AY, Air-lift loop-flow reactor, *Chemical Industry and Engineering (China)*, 2000.