

- Modelling approach. *Hydrogen Production, Separation and Purification for Energy*, Institution Engineering and Technology 231-257.
- [2] Iulianelli A, Basile A. (2018). Advances on inorganic membrane reactors for production of hydrogen. *Encyclopedia of Sustainability Science and Technology* 1-11. https://doi.org/10.1007/978-1-4939-2493-6_948-1
- [3] Basile A, Iulianelli A, Tong J. (2015). Single-stage hydrogen production and separation from fossil fuels using micro- and macromembrane reactors. *Compendium of Hydrogen Energy 1*: 445-468. <http://dx.doi.org/10.1016/B978-1-78242-361-4.00015-7>
- [4] Zornoza B, Casado C, Navajas A. (2015). Advances in hydrogen separation and purification with membrane technology. *Palladium membrane technology for hydrogen production, carbon capture and other applications: Principles, energy production and other applications*. Woodhead Publishing Series in Energy 167-191.
- [5] Paglieri S, Way J. (2002). Innovations in palladium membrane research. *Separation and Purification Methods* 31(1): 1-169. <http://dx.doi.org/10.1081/SPM-120006115>
- [6] Zhang X, Xiong G, Yang W. (2008). A modified electroless plating technique for thin dense palladium composite membranes with enhanced stability. *Journal of Membrane Science* 314(1): 67-84. <http://dx.doi.org/10.1016/j.memsci.2008.01.051>
- [7] Jun CS, Lee KH. (2000). Palladium and palladium alloy composite membranes prepared by metal-organic chemical vapor deposition method (cold-wall). *Journal of Membrane Science* 176(1): 121-130. [http://dx.doi.org/10.1016/S0376-7388\(00\)00438-5](http://dx.doi.org/10.1016/S0376-7388(00)00438-5)
- [8] Li H, Caravella A, Xu HY. (2016). Recent progress in Pd-based composite membranes. *Journal of Materials Chemistry A* 4(37): 14069-14094. <http://dx.doi.org/10.1039/C6TA05380G>
- [9] Ma YH, Mardilovich IP, Engwall EE. (2003). Thin composite palladium and palladium/alloy membranes for hydrogen separation. *Annals of the New York Academy of Sciences* 984(1): 346-360. <http://dx.doi.org/10.1111/j.1749-6632.2003.tb06011.x>
- [10] Yun S, Ted Oyama S. (2011). Correlations in palladium membranes for hydrogen separation: A review. *Journal of Membrane Science* 375(1-2): 28-45. <http://dx.doi.org/10.1016/j.memsci.2011.03.057>
- [11] Basile A, Blasi A, Fiorenza G, Iulianelli A, Longo T, Calabrò V. (2011). Membrane and membrane reactor technologies in the treatment of syngas streams produced from gasification processes. in *Gasification: Chemistry, Processes and Applications*, Michael D. Baker (Ed.), Nova Sci. Pub. 139-174.
- [12] Shi L, Goldbach A, Zeng G, Xu H. (2010). Preparation and performance of thin layer PdAu/ceramic composite membranes. *International Journal of Hydrogen Energy* 35(9): 4201-4208. <http://dx.doi.org/10.1016/j.ijhydene.2010.02.048>
- [13] Way JD, Lusk M, Thoen P. (2008). Sulfur-resistant composite metal membranes. US Patent 2008/0038567, Feb. 14, 2008. <https://techportal.eere.energy.gov/application.do/ID=21924>
- [14] Gade SK, Payzant EA, Park HJ, Thoen PM, Way JD. (2009). The effects of fabrication and annealing on the structure and hydrogen permeation of Pd–Au binary alloy membranes. *Journal of Membrane Science* 340(1-2): 227-233. <http://dx.doi.org/10.1016/j.memsci.2009.05.034>
- [15] Chen CH, Ma YH. (2010). The effect of H₂S on the performance of Pd and Pd/Au composite membrane. *Journal of Membrane Science* 362(1): 535-544. <http://dx.doi.org/10.1016/j.memsci.2010.07.002>
- [16] Iulianelli A, Alavi M, Bagnato G, Liguori S, Wilcox J, Rahimpour MR, Eslamlouyan R, Anzelmo B, Basile A. (2016). Supported Pd-Au membrane reactor for hydrogen production: Membrane preparation, characterization and testing. *Molecules* 21(5): 581-594. <https://doi.org/10.3390/molecules21050581>
- [17] Tardini A, Gerboni C, Cornaglia L. (2013). PdAu membranes supported on top of vacuum-assisted ZrO₂ modified porous stainless steel substrates. *Journal of Membrane Science* 428: 1-10. <http://dx.doi.org/10.1016/j.memsci.2012.10.029>
- [18] Lee SW, Oh DK, Park JW, Lee CB, Lee DW, Park JS, Kim SH, Hwang KR. (2015). Effect of a Pt-ZrO₂ protection layer on the performance and morphology of Pd-Au alloy membrane during H₂S exposure. *Journal of Alloys and Compounds* 641: 210-215. <http://dx.doi.org/10.1016/j.jallcom.2015.03.210>
- [19] Patki NS, Lundin ST, Way JD. (2018). Apparent activation energy for hydrogen permeation and its relation to the composition of homogeneous PdAu alloy thin-film membranes. *Separation and Purification Technology* 191: 370-374. <http://dx.doi.org/10.1016/j.seppur.2017.09.047>