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Res. Exp.: Massachusetts Institute of Technology, Visiting Scholar, 2016-2017

PhD: Middle East Technical University, Dept. of Metallurgical and Materials Engineering, 2018

MS: Middle East Technical University, Dept. of Metallurgical and Materials Engineering, 2012

BS: Anadolu University, Dept. of Materials Science and Engineering, 2009



PROJECTS

- Development of Perovskite Oxides for Two-Step Thermochemical Water Splitting, 2019-2022, **TÜBİTAK 1001**
- Development of Nano-porous Filters via Dealloying, 2019-2020, **TÜBİTAK 1002**
- Development of perovskite-oxide based composites for hydrogen production, 2019-2021, **TÜBİTAK 1001**
- Development of low-cost dense metallic membranes for hydrogen purifiers, 2017-2020, **TÜBİTAK 1001**
- Combinatorial search for hydrogen separation membranes, 2010-2014, **TÜBİTAK 1001**



SELECTED PUBLICATIONS:

- 1) Pişkin Fatih, Öztürk Tayfur, 2019. Nb-Pd-Ti BCC thin films for hydrogen separation. *Journal of Alloys and Compounds*
- 2) Pişkin Fatih, Bliem Roland, Yıldız Bilge, 2018. Effect of crystal orientation on the segregation of aliovalent dopants at the surface of $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$. *Journal of Materials Chemistry A*
- 3) Sarı Doğancan, Pişkin Fatih, Torunoğlu Ziya Çağırı, Yaşar Bengisu, Kalay Yunus Eren, Öztürk Tayfur, 2018. Combinatorial development of nanocrystalline/amorphous $(\text{La},\text{Sr})\text{CoO}_3-(\text{La},\text{Sr})_2\text{CoO}_4$ composite cathodes for IT-SOFCs. *Solid State Ionics*
- 4) Pişkin Fatih, Öztürk Tayfur, 2017. Combinatorial screening of Pd-Ag-Ni membranes for hydrogen separation. *Journal of Membrane Science*
- 5) Pişkin Fatih, Akyıldız Hasan, Öztürk Tayfur, 2015. Ti modified Pd-Ag membranes for hydrogen separation. *International Journal of Hydrogen Energy*

