

## **Asst. Prof. SELÇUK TEMİZ**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: L-1517-2018

ScopusID: 57023769400

Yoksis Researcher ID: 276880

### **Education Information**

Doctorate, University of California, Riverside, Materials Science And Engineering, United States Of America 2013 - 2017

Undergraduate, Ankara University, Fen Fakültesi, Fizik Bölümü, Turkey 2000 - 2006

### **Dissertations**

Doctorate, Optimization Methods on Synthesis of Atomically Thin Layered Materials and Heterostructures, University of California, Riverside, Materials Science And Engineering, 2017

### **Research Areas**

Natural Sciences, Engineering and Technology

### **Academic Titles / Tasks**

Research Assistant PhD, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2018 - Continues

### **Courses**

Nanoteknoloji 151917637, Undergraduate, 2017 - 2018

Physics I 152111005, Undergraduate, 2017 - 2018

Fizik I 151911186, Undergraduate, 2017 - 2018

Physics II 152112005, Undergraduate, 2017 - 2018

Physics II 151832201, Undergraduate, 2017 - 2018

physics II 151812201, Undergraduate, 2017 - 2018

### **Published journal articles indexed by SCI, SSCI, and AHCI**

1. **State of charge and temperature-dependent impedance spectra regeneration of lithium-ion battery by duplex learning modeling**

- TEMİZ S., EROL S., Kurban H., Dalkilic M. M.  
JOURNAL OF ENERGY STORAGE, vol.64, 2023 (SCI-Expanded)
- II. **Regeneration of Lithium-ion battery impedance using a novel machine learning framework and minimal empirical data**  
Temiz S., Kurban H., Erol S., Dalkilic M. M.  
JOURNAL OF ENERGY STORAGE, vol.52, 2022 (SCI-Expanded)
- III. **Tailoring the structural properties and electronic structure of anatase, brookite and rutile phase TiO<sub>2</sub> nanoparticles: DFTB calculations**  
Kurban H., Dalkilic M., TEMİZ S., KURBAN M.  
COMPUTATIONAL MATERIALS SCIENCE, vol.183, 2020 (SCI-Expanded)
- IV. **Effect of intermittent oxygen exposure on chemical vapor deposition of graphene**  
TEMİZ S., Mutlu Z., Shahrezaei S., Ozkan M., Ozkan C. S.  
MRS COMMUNICATIONS, vol.7, no.4, pp.826-831, 2017 (SCI-Expanded)
- V. **Chemical vapor deposition of partially oxidized graphene**  
Mutlu Z., Ruiz I., Wu R. J., Ionescu R., Shahrezaei S., TEMİZ S., Ozkan M., Mkhoyan K. A., Ozkan C. S.  
RSC ADVANCES, vol.7, no.51, pp.32209-32215, 2017 (SCI-Expanded)
- VI. **Phase Engineering of 2D Tin Sulfides**  
Mutlu Z., Wu R. J., Wickramaratne D., Shahrezaei S., Liu C., TEMİZ S., Patalano A., Ozkan M., Lake R. K., Mkhoyan K. A., et al.  
SMALL, vol.12, no.22, pp.2998-3004, 2016 (SCI-Expanded)
- VII. **Facile Synthesis and Characterization of Two Dimensional Layered Tin Disulfide Nanowalls**  
Mutlu Z., Shahrezaei S., TEMİZ S., Ozkan M., Ozkan C. S.  
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.4, pp.2115-2120, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Data on Machine Learning regenerated Lithium-ion battery impedance**  
Temiz S., Kurban H., Erol S., Dalkilic M. M.  
DATA IN BRIEF, vol.45, 2022 (ESCI)
- II. **Lithium-ion battery impedance data set**  
TEMİZ S., KURBAN H., EROL S., Dalkilic M. M.  
Mendeley Data, 2022 (Non Peer-Reviewed Journal)

## Metrics

Publication: 11

Citation (WoS): 75

Citation (Scopus): 90

H-Index (WoS): 4

H-Index (Scopus): 4