

Res. Asst. AYCAN ATLI

Personal Information

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Education Information

Doctorate, Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Enerji Sistemleri Mühendisliği (Dr) (İngilizce), Turkey 2018 - Continues

Post Graduate, Ankara Yıldırım Beyazıt University, Fen Bilimleri Enstitüsü, Enerji Sistemleri Mühendisliği (YI) (Tezli) (İngilizce), Turkey 2016 - 2018

Under Graduate, Anadolu Üniversitesi, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2008 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Post Graduate, Fabrication of Multilayer Dye-Sensitized Solar Cells, Ankara Yıldırım Beyazıt University, Fen Bilimleri Enstitüsü, 2018

Research Areas

Renewable energy, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Ankara Yıldırım Beyazıt University, Mühendislik Ve Doğa Bilimleri Fakültesi, Enerji Sistemleri Mühendisliği, 2019 - Continues

Research Assistant, Türk-Alman Üniversitesi, Fen Fakültesi, Enerji Bilimi Ve Teknolojileri Bölümü, 2016 - 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Optimizing Deposition Parameters of DSSCs Composed of Blue TiO₂**
Atlı A., Sutcu I., Kerem Yıldız Z., Yıldız A.
IEEE Journal of Photovoltaics, vol.11, no.1, pp.118-123, 2021 (Journal Indexed in SCI Expanded)
- II. **Facile fabrication of low-cost low-temperature carbon-based counter electrode with an outstanding fill factor of 73% for dye-sensitized solar cells**
ALTINKAYA C., ATLI A., ATILGAN A., Salimi K., YILDIZ A.
International Journal of Energy Research, vol.44, no.4, pp.3160-3170, 2020 (Journal Indexed in SCI Expanded)

- III. **Extraction method dependent performance of bio-based dye-sensitized solar cells (DSSCs)**
Kocak Y., Atli A., Atilgan A., Yildiz A.
Materials Research Express, vol.6, no.9, 2019 (Journal Indexed in SCI Expanded)
- IV. **St. Lucie cherry, yellow jasmine, and madder berries as novel natural sensitizers for dye-sensitized solar cells**
Atli A., Atilgan A., Altinkaya C., Ozel K., Yildiz A.
International Journal of Energy Research, vol.43, no.8, pp.3914-3922, 2019 (Journal Indexed in SCI Expanded)
- V. **Enhancement of efficiency of natural and organic dye sensitized solar cells using thin film TiO₂ photoanodes fabricated by spin-coating**
Yildiz Z., Atilgan A., Atli A., Özel K., Altinkaya C., Yıldız A.
Journal of Photochemistry and Photobiology A: Chemistry, vol.368, pp.23-29, 2019 (Journal Indexed in SCI Expanded)
- VI. **Multi-layered TiO₂ photoanodes from different precursors of nanocrystals for dye-sensitized solar cells**
Atli A., Atilgan A., Yildiz A.
Solar Energy, vol.173, pp.752-758, 2018 (Journal Indexed in SCI Expanded)
- VII. **Influence of the spin acceleration time on the properties of ZnO:Ga thin films deposited by sol-gel method**
Sbeta M., Atilgan A., Atli A., Yildiz A.
Journal of Sol-Gel Science and Technology, vol.86, no.2, pp.513-520, 2018 (Journal Indexed in SCI Expanded)
- VIII. **An Understanding of the Band Gap Shrinkage in Sn-Doped ZnO for Dye-Sensitized Solar Cells**
YILDIZ A., Ozturk E., Atilgan A., Sbeta M., Atli A., Serin T.
Journal of Electronic Materials, vol.46, no.12, pp.6739-6744, 2017 (Journal Indexed in SCI Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Cornus mas L. as a bio-based sensitizer for DSSCs**
KOÇAK Y., ATLI A., ATILGAN A., YILDIZ A.
5th International Conference on Engineering Sciences, 19 September 2019
- II. **Improvement of the performance of DSSCs by tuning ZnO:Al compact layer**
ATLI A., ATILGAN A., YILDIZ A.
WITAM – 2018, 21 - 23 September 2018
- III. **The effect of Cu and Co-doped ZnO blocking layers on the performance of DSSCs**
ATILGAN A., ATLI A., YILDIZ A.
WITAM – 2018, 21 - 23 September 2018
- IV. **Effect of chemical solvents on the properties of Al-doped ZnO thin films synthesized by spin coating technique**
ATLI A., Sbeta M., Atilgan A., Karabudak O., YILDIZ A.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- V. **Controlling the color scale of ZnO Thin films by spin coating acceleration time**
Atilgan A., ATLI A., Sbeta M., YILDIZ A.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- VI. **Low surface roughness of ZnO films for minimizing surface recomabation**
Sbeta M., ATLI A., Atilgan A., Tanrikulu H., YILDIZ A.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- VII. **Suppressing of grain boundaries by varying spin coating speed in AZO thin films**
ATLI A., Atilgan A., Sbeta M., YILDIZ A.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- VIII. **Synthesis of sol-gel derived ZnO:Al thin films as tranparent electrodes: Effect of solution molarity**
Sbeta M., Atilgan A., ATLI A., YILDIZ A.

Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017

- IX. Improvement of open circuit voltage of dye sensitized solar cells by applying AZO blocking layer**
Karabudak O., Sbeta M., ATLI A., Atılgan A., YILDIZ A.
ICSMD-2017, 17 - 19 August 2017
- X. The influence of thickness of photoanode on performance of dye sensitized solar cells**
YILDIZ Z. K. , Atılgan A., ATLI A., Sbeta M., YILDIZ A.
ICSMD-2017, 17 - 19 August 2017
- XI. Enhancement of photoanode of dye sensitized solar cells by spin coating acceleration time**
Sbeta M., ATLI A., Atılgan A., YILDIZ A.
ICSMD-2017, 17 - 19 August 2017
- XII. Natural and syntetic sensitizer effects on TiO₂ based dye sensitizer solar cells**
ATLI A., Atılgan A., Sbeta M., YILDIZ A.
ICSMD, 17 August - 19 October 2017

Citations

Total Citations (WOS):20

h-index (WOS):3