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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, FİZİK, Turkey 2022 - Continues

Undergraduate, Pamukkale University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2008 - 2012

Research Areas

Atomic and Molecular Physics

Academic Titles / Tasks

Research Assistant, Gazi University, Fen Fakültesi, Fizik, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **High-Frequency Negative Capacitance in Graphene Quantum Dots/Lanthanum(III) Hydroxide-based MIS Heterostructure**
ANTER A., ULUSOY M., Polat B., Yıldız M., Di Bartolomeo A., Bi J., ORHAN E.
FlatChem, vol.49, 2025 (SCI-Expanded)
- II. **Tunable dielectric characteristics of the nanocomposite diode based on functionalized graphene quantum dots with and without gadolinium**
Berktaş Z., ANTER A., Dikicioğlu E., ULUSOY M., Candan C., YILDIZ M., Di Bartolomeo A., ORHAN E.
Surfaces and Interfaces, vol.51, 2024 (SCI-Expanded)
- III. **Lanthanum(III)hydroxide Nanoparticles and Polyethyleneimine-Functionalized Graphene Quantum Dot Nanocomposites in Photosensitive Silicon Heterojunctions**
ANTER A., ORHAN E., ULUSOY M., Polat B., YILDIZ M., Kumar A., Di Bartolomeo A., Faella E., Passacantando M., Bi J.
ACS APPLIED MATERIALS & INTERFACES, vol.16, no.17, pp.22421-22432, 2024 (SCI-Expanded)
- IV. **Effect of Gadolinium on Electrical Properties of Polyethyleneimine Functionalized and Nitrogen-Doped Graphene Quantum Dot Nanocomposite Based Diode**
Orhan E., Anter A., Ulusoy M., Polat B., Okuyucu C., Yıldız M., Altındal Ş.
ADVANCED ELECTRONIC MATERIALS, vol.1, no.1, pp.1-12, 2023 (SCI-Expanded)
- V. **Influence of acid activation on NH₃adsorption properties of Turkish bentonite**
Erdoğan B., Ergürhan O., Anter A.
Clay Minerals, vol.56, no.3, pp.178-184, 2021 (SCI-Expanded)

Books

- I. **GRAFEN KUANTUM NOKTALAR: MİKROSKOBİK DÜNYANIN BÜYÜLÜ YOLU**
ORHAN E., ANTER A.
in: VERİMLİ VE ÇEVRECİ ENERJİ SİSTEMLERİ, Dr. Ali TEMURTAŞ, Editor, IKSAD, Ankara, pp.3-38, 2023

Papers Published in Refereed Scientific Meetings

- I. **SYNTHESIS AND CHARACTERISATION OF GADOLINIUM DOPED GRAPHENE QUANTUM DOTS**
ANTER A., ORHAN E.
Başkent" Fen, Sosyal ve Sağlık Bilimleri Kongreleri, Ankara, Turkey, 28 - 30 October 2023, pp.88-92
- II. **Characterization of Current / Voltage Feature of Gdnps-Gqds Nanocomposite Diode**
ANTER A., ORHAN E.
SİVAS 2. Uluslararası Bilimsel Araştırmalar ve İnovasyon Kongresi, Sivas, Turkey, 15 - 17 September 2023, pp.1242-1252
- III. **Gadolinium Doped Graphene Quantum Dot Nanocomposite Based Diode**
ANTER A., ORHAN E., BERKTAŞ Z., POLAT B.
NanoTr 17, Turkey, 27 - 29 August 2023

Metrics

Publication: 9

Citation (WoS): 10

Citation (Scopus): 19

H-Index (WoS): 1

H-Index (Scopus): 2