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Lecturer

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RESEARCH METRICS

h-index (Scopus)	0
h-index (GS)	2
Citations (Scopus)	0
Citations (GS)	15
Documents (Scopus)	5
Documents (GS)	15

RESEARCH INTERESTS

- Nanomaterials
- Solid state physics
- Quantum Dots
- Perovskite Solar Cells

ACADEMIC TITLES

2023-12-24 **Lecturer**

PUBLICATIONS (48)

1. **Carbon Quantum Dot Doping for Enhanced Power Conversion Efficiency in CsEuCl3 Perovskite Solar Cells**
   Journal of Nanostructures 16 (1), 375-386, 2026 | 2026
2. **Impact of carbon quantum dots incorporation in electron transport layer on the performance of CsPbBr3-based perovskite solar cells**
   International Journal of Modern Physics B, 2650086, 2026 | 2026
3. **Impact of carbon quantum dots incorporation in electron transport layer on the performance of CsPbBr3-based perovskite solar cells**
   International Journal of Modern Physics B 40 (11), 2650086, 2026 | 2026
4. **Impact of Carbon Quantum Dots Incorporation in Electron Transport Layer on the Performance of CsPbBr3-Based Perovskite Solar Cells**
   International Journal of Modern Physics B, 2026 | 2026
5. **Synthesis and Study of CsEuCl3:CQDs Nanocomposites Perovskite Solar Cell**
   University of Thi-Qar, College of Science, Department of Physics, 2025 | 2025
6. **Enhancing Optical and Structural Properties of Lead-Free Cesium Europium Halide Perovskite Nanocrystals via Carbon Quantum Dots**
   Annales de Chimie - Science des Matériaux 49 (3, June, 2025), 291-297, 2025 | 2025
7. **Preparation and Study of the Natural Photosensitizers Extracted from Black Grapes and Beetroot for Dye-Sensitized Solar Cells: Nanocomposite**
   Sumer Journal for Pure Science 2 (2), 2023 | 2023
8. **Preparation and characterization of ZnO NWs/graphene nanocomposite as an effective photoanode electrode for improving the performance of the dye-sensitized solar cells**
   University of Thi-Qar Journal of Science 10 (1), 11-15, 2023 | 2023 | Cited: 4
9. **Multi-Wall Carbon Nanotubes with NiO and pt as Counter Electrodes for DSSC applications**
   University of Thi-Qar journal of science 10 (2), 141-145, 2023 | 2023 | Cited: 2
10. **Efficiency Enhancement of Perovskite Solar Cells Based on Graphene Nanocomposites as Electrons and Holes Transport Layers**
    Iraqi Journal of Industrial Research (IJOIR) 10 (3), 47-55, 2023 | 2023 | Cited: 1
11. **Hydrothermal Synthesis of ZnO/Graphene Quantum Dots-Polymer as an Efficient Photoanode Electrode for High-Performance Dye-Sensitized Solar Cells**
    Solid State Technology 63 (5), 5922-5932, 2020 | 2020 | Cited: 1
12. **Comparative study between summer and winter of selected Heavy elements in water, sediment and two species of aquatic plants collection from Al-Gharraf River near Al-Gharraf oil ...**
    IOP Conference Series: Materials Science and Engineering 928 (6), 062010, 2020 | 2020 | Cited: 1
13. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
    Solid State Technology 63 (1), 1059-1070, 2020 | 2020 | Cited: 1
14. **Comparative study between summer and winter of selected Heavy elements in water, sediment and two species of aquatic plants collection from Al-Gharraf River near Al- Gharraf ...**
    2nd International Scientific Conference of Al-Ayen University (ISCAU-2020), 13, 2020 | 2020

15. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
Solid State Technology 63 (1), 1059-1070, 2020 | 2020 | Cited: 1

16. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
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17. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
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18. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
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27. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
Solid State Technology 63 (1), 1059-1070, 2020 | 2020 | Cited: 1

28. **Synthesis of TiO2/Graphene Quantum Dots as Photoanode to Enhance Power Conversion Efficiency for Dye-Sensitized Solar Cells**
International Journal of Advanced Science and Technology 29 (3), 11071 - 11081, 2020 | 2020 | Cited: 5

29. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
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33. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
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37. **Efficiency enhancement in Dye-Sensitized Solar Cell using Pt and Nano carbon as Counter Electrode**
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Solid State Technology 63 (1), 1059-1070, 2020 | 2020 | Cited: 1

47. **The Use of Erubium Yag (Er: YAG) Laser to Treat Burns and Study Laser Effect on the Enviroment.**
Indian Journal of Public Health Research & Development 10 (10), 2019 | 2019

48. **A Novel Nanocomposite Based on TiO2 to Enhance Performance of Dye-Sensitized Solar Cells**
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