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Associate Professor

ACADEMIC TITLES

2020-01-01 Associate Professor

PUBLICATIONS (47)

1.

Laser Ablation of PbI2 Nanoparticles in Liquid Phase for Tuning Optoelectronic Devices: Effect of Laser Fluence

Lasers in Manufacturing and Materials Processing, 1-22, 2026 | 2026

2.

Novel synthesis of MoS2 nanoparticles via pulsed laser ablation in liquid for high-performance photodetection applications

Scientific Reports, 2026 | 2026 | Cited: 1

3.

Novel synthesis of MoS

2026

4.

Fabrication and characterization of polyaniline/Si heterojunction photodetector prepared by laser ablation in liquid

Journal of Optics 55 (1), 708-714, 2026 | 2026 | Cited: 4

5.

Pharmaceu-tical properties of novel 3-((diisopropylamino) methyl)-5-(4-((4-(dimethylamino) benzylidene) imino) phenyl)-1, 3, 4-oxadiazole-2 (3 H)-thione

Scientific Reports 15 (1), 15019, 2025 | 2025 | Cited: 10

6.

Study Influence of a Magnetic Field on Thin Film of (CdTe) Preparation via PLAL

International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June), 57-64, 2025 | 2025 | Cited: 1

7.

Influence of Laser Ablation Energy on Structural and Optical Properties of CoLa0. 02Fe1. 98O4 Nanoferrite for Bioactivity Application

Journal of Materials Engineering and Performance 34 (10), 8841-8847, 2025 | 2025 | Cited: 6

8.

Efficient removal of MB dye from wastewater via cadmium ferrite nanocomposites

International Journal of Environmental Science and Technology, 1-18, 2025 | 2025 | Cited: 1

9.

Synthesis of BaTiO3 Nanoparticles via Laser Ablation in Liquid for Photodetector Application

Plasmonics, 1-8, 2025 | 2025 | Cited: 4

10.

Preparation of a nanostructured CdTe@ CdS core-shell/Si photodetector by two-step laser ablation in liquid

Journal of Optics 54 (3), 700-711, 2025 | 2025 | Cited: 13

11.

The influence of laser energies on the optical, structural and electrical properties of CdS nanoparticles by laser ablation in distilled water

university of Diyala, 2024 | 2024

12.

Role of substrate temperature on the performance of BaTiO3/Si photodetector prepared by pulsed laser deposition

Scientific Reports 14 (1), 4531, 2024 | 2024 | Cited: 28

13.

Insights into the photo-sensing properties of nanostructured BaTiO3/Si photodetector

Journal of Optics, 1-18, 2024 | 2024 | Cited: 4

14.

Effect of magnetic field on the structural, optical, and electrical properties of CdS nanoparticles in distilled water by using pulsed laser ablation

International Journal of Nanoelectronics and Materials (IJNeaM) 17 (4), 510-520, 2024 | 2024 | Cited: 4

15.

Fabrication of tandem BaTiO3/CdS/Si photodetector by pulsed laser deposition

Journal of Materials Science: Materials in Electronics 35 (26), 1757, 2024 | 2024 | Cited: 2

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EDUCATION

Doctorate (2020-02-18)
laser Science
University of Technology

RESEARCH METRICS

h-index (Scopus)	0
h-index (GS)	16
Citations (Scopus)	0
Citations (GS)	593
Documents (Scopus)	0
Documents (GS)	47



16. **Preparation of Graphene Oxide@ZrO₂ Core/Shell Nanoparticles by Two-Step Laser Ablation in Liquid Towards a High-Performance Silicon-Based Heterojunction**
Silicon 15 (13), 5791-5802, 2023 | 2023 | Cited: 16
17. **Influence of Pulse Laser Energy on Structural and Magnetic Properties of CoFe₂O₄ and CoLa_{0.01}Fe_{1.99}O₄ Thin Films**
ECS Journal of Solid State Science and Technology 12 (3), 033005, 2023 | 2023 | Cited: 6
18. **Preparation of bismuth oxide nanoplatelets/Si Photodetector by laser ablation in liquid under effect of an external magnetic field**
Silicon 14 (1), 107-113, 2022 | 2022 | Cited: 44
19. **Preparation of nanostructured PbI₂/Si photodetector by magnetic field-assisted laser ablation in liquid**
Silicon 14 (16), 10291-10300, 2022 | 2022 | Cited: 9
20. **Characterization of Co_xLa_{1-x}Fe₂O₄ Spinel Thin Films Using Pulse Laser Deposition**
Journal of Superconductivity and Novel Magnetism 35 (12), 3787-3795, 2022 | 2022 | Cited: 5
21. **Preparation of copper oxide nanosheets by pulsed laser ablation in liquid for anticancer, antioxidant, and antibacterial activities**
Journal of the Indian Chemical Society 99 (11), 100773, 2022 | 2022 | Cited: 21
22. **Preparation of Bi₂Sr₂CaCu₂O_x Thin Film by Pulsed Laser Deposition for Optoelectronic Devices Application**
Silicon 14 (6), 2625-2633, 2022 | 2022 | Cited: 17
23. **High-Responsivity Heterojunction Photodetector Based on Bi₂O₃-Decorated MWCNTs Nanostructure Grown on Silicon via Laser Ablation in Liquid**
Journal of Inorganic and Organometallic Polymers and Materials 32 (4), 1381-1388, 2022 | 2022 | Cited: 50
24. **Preparation of ZnS-decorated MWCNTs/p-Si hybrid photodetector by pulsed laser deposition**
Optical Materials 133, 112998, 2022 | 2022 | Cited: 17
25. **Study the optoelectronic properties of PbI₂ nanorods/Si photodetector prepared by magnetic field-assisted laser deposition route**
Optics & Laser Technology 140, 107042, 2021 | 2021 | Cited: 20
26. **Pulsed laser deposition of nanostructured HgI₂ on Si substrate for photodetector application**
Materials Science in Semiconductor Processing 135, 106106, 2021 | 2021 | Cited: 12
27. **Preparation of visible-enhanced PbI₂/MgO/ Si heterojunction photodetector**
Optik | 2020 | Cited: 25
28. **Visible-enhanced silver-doped PbI₂ nanostructure/Si heterojunction photodetector: effect of doping concentration on photodetector parameters**
Optical and Quantum Electronics 51, 1-19, 2019 | 2019 | Cited: 82
29. **Improved growth conditions of pulsed laser-deposited PbI₂ nanostructure film: towards high-photosensitivity PbI₂/CNTs/Si photodetectors**
Journal of Materials Science: Materials in Electronics | 2019 | Cited: 17
30. **Effect of substrate temperature on the characteristic of p-PbI₂/n-Si heterojunction grown by pulsed laser deposition technique**
Materials Science in Semiconductor Processing 99, 165-174, 2019 | 2019 | Cited: 19
31. **Pulsed laser deposition of nanostructured MgO film: effect of laser fluence on the structural and optical properties**
Materials Research Express 6 (7), 075007, 2019 | 2019 | Cited: 22
32. **Visible-enhanced silver-doped PbI₂ nanostructure/Si heterojunction photodetector: effect of doping concentration on photodetector parameters**
Optical and Quantum Electronics 51 (11), 2019 | 2019
33. **Effect of Laser Pulses on Characterization of Zinc oxide Thin Film Prepared by PLD**
Engineering and Technology Journal 36 (1 Part B), 2018 | 2018 | Cited: 5
34. **Study of characterization of copper ferrites thin film prepared by pulse laser**
Engineering and Technology Journal 35 (1B), 57-62, 2017 | 2017 | Cited: 2

35. **Study the Effect of Addition Silver Nanoparticle on Structure and Morphological Properties for PVDF Hollow Fiber**
Engineering and Technology Journal 35 (18), 33-36, 2017 | 2017 | Cited: 1
36. **Preparation of ZnO like–nanoflower by hydrothermal method**
Engineering and Technology Journal 35 (2 Part B), 2017 | 2017 | Cited: 2
37. **Room Temperature NO₂ Gas Sensor Based on SnO₂-WO₃ Thin Films**
Plasmonics 12 (4), 1051-1055, 2017 | 2017 | Cited: 19
38. **Sensing characteristics of nanostructured SnO₂ thin films as glucose sensor**
Energy Procedia 119, 473-481, 2017 | 2017 | Cited: 50
39. **Production of silver nanowires from silver nanoparticles by thermal treatment**
Eng. & Tech. Journal, 2016 | 2016 | Cited: 1
40. **Preparation and Study of morphological properties of ZnO nano Powder**
Journal of Engineering 22 (4), 116-126, 2016 | 2016 | Cited: 3
41. **Preparation and study the characteristics of Tungsten Trioxide Thin Films for Gas Sensing Application**
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42. **Antimicrobials Nano-Fiber PVA Pure and PVA: TiO₂ for Filtration Applications**
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43. **Behavior of A.C conductivity and Complex dielectric constant of ZnS Thin Films**
Eng. & Tech. Journal, 33 (4), 745-752, 2015 | 2015 | Cited: 1
44. **Influence of Deposition Temperature on Structure and Morphology of Nanostructured SnO₂ Films Synthesized Pulsed Laser Deposition (PLD) by**
Eng. & Tech 32 (3), 453-460, 2014 | 2014
45. **A study of morphological, optical and gas sensing properties for pure and Ag doped SnO₂ prepared by pulsed laser deposition (PLD)**
Energy Procedia 36, 776-787, 2013 | 2013 | Cited: 44
46. **Oxygen Effect on Nanostructure SnO₂ Films and Morphology by Pulsed Laser Deposition**
Eng. & Tech. Journal 31 (2), 232-238, 2012 | 2012
47. **Influence of Deposition Temperature on Structure and Morphology of Nanostructured SnO₂ Films Synthesized by Pulsed Laser Deposition (PLD)**

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