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EDUCATION

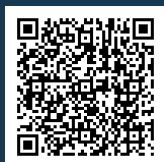
Doctorate (2016-10-01)

Engineering of Nanophotonics

University malaysia perlis

RESEARCH METRICS

h-index (Scopus)	43
h-index (GS)	45
Citations (Scopus)	4491
Citations (GS)	5366
Documents (Scopus)	202
Documents (GS)	263



Makram Abdulmuttalib Fakhri Abdulwahab Al-jaafar

مكرم عبدالمطلب فخري عبدالوهاب ال جعفر

Professor

PROFILE

Asst. Prof. Dr. Makram A. Fakhri is the Director of Optoelectronics engineering branch-Laser and Optoelectronics Eng.

Department of the University of Technology. Baghdad- Iraq.

Asst. Prof. Dr. Fakhri received his Ph.D. in Photonics Engineering from the Institute of Nanoelectronic Engineering-

UniMAP- Malaysia, 2016. He has more than 120 Published

Papers, 2 International patents, and more than 15 medals in

different science exhibitions. His H-index in the scoops 24 and

is a member of the editorial board of several Scopus indexed

journals. His main research interest is novel device structures

and materials for electronic biosensor applications and Optoelectronics

devices. He has been a member of the American

Optical Society (OSA) since 2018 and the Institute of Electrical and Electronics Engineers (IEEE) since 2013.

ACADEMIC TITLES

2023-02-01 Professor

ADMINISTRATIVE POSITIONS

2017-03-01 - 2020-03-01 Laboratory manager of laser and Optoelectronics Engineering Department

2020-03-01 - 2022-03-01 Head of the Optoelectronics Engineering Branch

PUBLICATIONS (2 7 3)

1. **Advancements With Zinc Oxide Nanomaterials: From Green Chemistry to Biomedical Applications**
BioNanoScience 16 (5), 310, 2026 | 2026 | Cited: 4
2. **Modeling and simulating of unclad fiber-optic biosensor based on localized surface plasmon resonance**
Journal of Optics 55 (1), 663-678, 2026 | 2026 | Cited: 2
3. **Effect of different laser energies on the structure of aluminum gallium nitride/Psi thin films**
Journal of Optics 55 (1), 739-754, 2026 | 2026
4. **Structural, optical, and electrical investigators of ingan nanostructures growing on porous silicon using pulsed laser deposition technique**
Applied Physics A | 2026 | Cited: 2
5. **A Review on Aptamer Feasibility in Aptasensor Developments for High-Performance Bioligand Analysis**
Critical Reviews in Analytical Chemistry, 1-18, 2026 | 2026 | Cited: 1

6. **Impact of laser wavelength on pulsed laser deposition method-deployed gallium nitride (GaN) thin films**
International Journal of Nanoelectronics and Materials (IJNeaM) 19 (3), 473-478, 2026 | 2026
7. **Effect of deposition temperature on the structural, morphological, and optical properties of AlGaN/PSi nanocomposites prepared by pulsed laser deposition**
Applied Physics A 132 (6), 522, 2026 | 2026
8. **Optimizing the Flexural Performance of ABS Parts Fabricated by FDM Additive Manufacturing Through a Taguchi–ANOVA Statistical Framework**
Journal of Manufacturing and Materials Processing 10 (4), 125, 2026 | 2026 | Cited: 1
9. **Investigation of Structural, Morphological, and Topographical Properties of InGaN/Porous Silicon Heterostructure Prepared by the PLD Technique**
International Journal of Optics 2026 (1), 8079583, 2026 | 2026
10. **Hardness Optimization Using Takeuchi and ANOVA Method for Al₂O₃ Nano-Coating by PLD Systems**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025 | Cited: 1
11. **Optoelectronics properties enhancement in gold-titanium core-shell nanoparticles for UV absorption**
JOURNAL OF OPTICS-INDIA | 2025 | Cited: 8
12. **Neurological Inflammation in Parkinsonism: Current Prognosticative Diagnostics and Pitfalls**
Current Topics in Medicinal Chemistry, 2025 | 2025 | Cited: 1
13. **Aptamers as a Potential Therapeutic and Screening Molecule for Oral Cancer**
Current Medicinal Chemistry, 2025 | 2025
14. **Improved Physical Properties of Ag-Cu₂O Hybrid Structure Prepared Using Laser Ablation in Liquid Technique**
Plasmonics 20 (3), 1669-1683, 2025 | 2025 | Cited: 6
15. **Optical properties of Al₂O₃ thin film deposited by pulsed laser deposition technique**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (2), 256-262, 2025 | 2025 | Cited: 1
16. **Graphene-enhanced surface plasmon resonance in photonic crystal fiber for sensing glucose in serum**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (2), 245-255, 2025 | 2025
17. **Electro-Sensing Analysis for Parkinson's Disease Biomarker on Dual-Electrode Surface: Complemented by Molecular Docking**
Biotechnology and Applied Biochemistry, 2025 | 2025 | Cited: 1
18. **RE-crystallization of Nb₂O₅ nanocrystals: a study employing different laser wavelength**
Journal of Optics 54 (4), 2257-2267, 2025 | 2025 | Cited: 9
19. **Impedimetric Detection of Alpha-Synuclein using Gold Interdigitated Tetraelectrodes: Morphological and Electrical Assessments**
2025 IEEE International Conference on Sensors and Nanotechnology (SENnano ..., 2025 | 2025
20. **Synthesis of PVA-gold and silver nanoparticles via PLAL to improve the performance of the PCF-SPR glucose sensor**
Plasmonics 20 (4), 2321-2331, 2025 | 2025 | Cited: 10
21. **Impact of Decoration Method on Some Physical Properties of Ag@Cu₂O Nanostructure**
Plasmonics 20 (6), 3593-3603, 2025 | 2025 | Cited: 10
22. **Square Wave Voltammetry Detection of Coagulation Biomarker by Direct Molecular Imprinting on Gold Interdigitated Electrodes**
2025 IEEE International Conference on Sensors and Nanotechnology (SENnano), 9-12, 2025 | 2025
23. **The impact of laser pulses on the optical and structural characteristics of WO₃ nanoparticles fabricated via laser ablation in liquid (PLAL)**
Journal of Optics 54 (5), 3301-3315, 2025 | 2025 | Cited: 7
24. **Selective detection of alpha synuclein amyloid fibrils by faradaic and non-faradaic electrochemical impedance spectroscopic approaches**
Bioelectrochemistry 161, 108800, 2025 | 2025 | Cited: 7

25. **Decision Making Using Analytic Hierarchy Process for Plasmonic Waveguide Simulated by Finite-Difference Eigenmode Method**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025 | Cited: 1
26. **Pulsed Laser Deposition Method Used to Grow SiC Nanostructure on Porous Silicon Substrate: Synthesis and Optical Investigation for UV-Vis Photodetector Fabrication**
Thermo 5 (2), 13, 2025 | 2025 | Cited: 6
27. **Optical Investigators of InGaN/P-Si Nanostructures Using Pulsed Laser Deposition Method**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025
28. **Correction: Substrate selection and characterization in infrared detector design for sorting systems**
Journal of Optics, 1-1, 2025 | 2025 | Cited: 3
29. **High-performance n-V2O5/p-Si heterojunction photodetector prepared by pulsed laser deposition: role of laser fluence**
Journal of Materials Science: Materials in Electronics 36 (7), 426, 2025 | 2025 | Cited: 2
30. **Current Scenario in Associating Clinical COVID-19 Biomarkers for Developing Surveillance Platforms**
Current Medicinal Chemistry 32 (35), 7790-7803, 2025 | 2025 | Cited: 1
31. **Effect of laser wavelength on Indium Trioxide (In2O3) thin films deposited by pulsed laser deposition method**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (2), 263-270, 2025 | 2025 | Cited: 3
32. **Shape and Size Dependent Sensing Enhancement by Gold Nanomaterials**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (December ..., 2025 | 2025
33. **Dopamine Depletion in Parkinson's Disease and Therapeutic Options**
CNS & Neurological Disorders-Drug Targets 24 (8), 577-581, 2025 | 2025 | Cited: 1
34. **Impaired Striatum Dopamine Release in Parkinson's Disease**
Current Medicinal Chemistry, 2025 | 2025 | Cited: 3
35. **Impact of Deposition Temperature on Indium Trioxide's Structural and Optical Properties**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025
36. **A Review of Sensor Devices Applied Using Gallium Nitride and Its Properties**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025
37. **Pure and Doped Gallium Nitride-Based Gas Sensor: A Review**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025 | Cited: 1
38. **Morphological and Optical Studies of GaN/P-Si Nanostructure Using Pulsed Laser Deposition Method**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025
39. **Innovative Synthesis of Au@WO3 Core–Shell Nanoparticles via Laser Ablation: Insights into Their Pharmaceutical Properties for Biomedical Applications**
Plasmonics 20 (6), 3817-3829, 2025 | 2025 | Cited: 1
40. **Synthesized aluminum gallium nitride/porous-Si thin films at different compositions by pulsed laser deposition method**
Physica Scripta 100 (1), 015502, 2025 | 2025 | Cited: 7
41. **Review of Indium Oxide Based on Different Applied Methods**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025
42. **Indium Trioxide Preparation and Characterization using Pulsed Laser Deposition at Various Energies of Laser**
International Journal of Nanoelectronics and Materials (IJNeaM) 18 (June ..., 2025 | 2025
43. **Improved Physical Properties of Ag-Cu2O Hybrid Structure Prepared Using Laser Ablation in Liquid Technique**
Plasmonics | 2024 | Cited: 6
44. **Investigating the properties of n-type Nb2O5 thin film semiconductor under pulsed laser deposition: number of laser pulses impact**
Journal of Optics, 1-14, 2024 | 2024 | Cited: 1

45. **A study on quantum-sized Ag₂O nanostructures: the effect of chemical interaction time before deposition using the CBD method**
Engineering and Technology Journal 42 (10), 1277-1289, 2024 | 2024 | Cited: 3
46. **Laser wavelength effect on GaN nanostructure films morphological properties deposited by PLD technique**
Journal of Optics, 1-10, 2024 | 2024
47. **Substrate selection and characterization in infrared detector design for sorting systems**
Journal of Optics, 1-16, 2024 | 2024
48. **Modified LiNbO₃ Films: Insights and Potential Applications**
Hybrid-Nanomaterials: Fabrication, Characterization and Applications, 197-207, 2024 | 2024
49. **Innovative Synthesis of Au@WO₃ Core–Shell Nanoparticles via Laser Ablation: Insights into Their Pharmaceutical Properties for Biomedical Applications**
Plasmonics | 2024 | Cited: 1
50. **Synthesis of PVA-Gold and Silver Nanoparticles via PLAL to Improve the Performance of the PCF-SPR Glucose Sensor**
Plasmonics | 2024 | Cited: 10
51. **Impact of Decoration Method on Some Physical Properties of Ag@Cu₂O Nanostructure**
Plasmonics | 2024 | Cited: 10
52. **RE-crystallization of Nb₂O₅ nanocrystals: a study employing different laser wavelength**
Journal of Optics | 2024 | Cited: 9
53. **Synthesized of gallium Nitride/PSi nano thin films using 532 nm wavelength by pulsed laser deposition technique**
Engineering and Technology Journal 42 (10), 1242-1254, 2024 | 2024 | Cited: 1
54. **Improved solar cell efficiency of titanium dioxide on porous silicon using pulsed laser deposition at different laser wavelengths**
Physica Scripta 99 (1), 015955, 2024 | 2024 | Cited: 3
55. **Introduction to Hybrid Materials and Nanostructures**
Hybrid-Nanomaterials: Fabrication, Characterization and Applications, 1-22, 2024 | 2024 | Cited: 1
56. **Comparative Analysis on Aluminium Interdigitated Electrode Surface: Influence of Ionic Strength and Electrolytes Changes**
International Journal of Nanoelectronics and Materials (IJNeaM) 17 (June), 19-23, 2024 | 2024
57. **Improvement of surface electromyography signal by nano-metals thin-film deposition**
Journal of Materials Science: Materials in Electronics 35 (16), 1053, 2024 | 2024 | Cited: 7
58. **Molecular-Imprinting Assisted Polydopamine-Aptasensor On Carbon and Gold Nanomaterials Construct for The Haemophilia B Biomarker Detection**
International Journal of Nanoelectronics and Materials (IJNeaM) 17 (June), 25-30, 2024 | 2024 | Cited: 4
59. **Design and optimization of integrated Mach–Zehnder modulators in X-cut lithium niobate thin film/si wafer**
Journal of Optics 53 (4), 3014-3023, 2024 | 2024 | Cited: 3
60. **Substrate temperature impact on preparing Nb₂O₅ Nano-films by IR-Nd: YAG using pulsed laser deposition technique**
Journal of Optics 53 (4), 3534-3547, 2024 | 2024 | Cited: 3
61. **Polycrystalline T- and H-Nb₂O₅ Thin Films Prepared by Pulsed Laser Deposition: Impact of Laser Fluence**
Journal of Electronic Materials 53 (10), 6482-6497, 2024 | 2024 | Cited: 3
62. **CuO: Pb/porous silicon solar cells: a study on Pb ratio effect**
Journal of Optics 53 (4), 3421-3433, 2024 | 2024 | Cited: 4
63. **Effect of different laser wavelengths on the optical properties of GaN/PSi and Al₂O₃/PSi thin films using the pulse laser deposition method**
Journal of Optics, 1-19, 2024 | 2024 | Cited: 6
64. **Optical properties of gallium nitride heterostructures grown on quartz using pulse laser deposition method**
International Journal of Nanoelectronics and Materials (IJNeaM) 17 (June ... 2024 | 2024 | Cited: 9

65. **Physical investigations of GaN/porous silicon at different laser wavelengths**
International Journal of Nanoelectronics and Materials (IJNeaM) 17 (June), 77-86, 2024 | 2024 | Cited: 7
66. **Effect of annealing process on the physical properties of ZnO nanorods and their performances as photodetectors**
Journal of Optics 53 (3), 2853-2862, 2024 | 2024 | Cited: 8
67. **Ag@WO₃ core–shell nanocomposite for wide range photo detection**
Scientific Reports 14 (1), 28192, 2024 | 2024 | Cited: 13
68. **Investigations on device structure and sensing mechanism using gold nanoparticles decorated photonic crystal fiber-based biosensors**
Plasmonics 19 (2), 533-550, 2024 | 2024 | Cited: 9
69. **Solid-core photonic crystal fiber-based nanolayer glucose sensor**
Journal of Optics 53 (3), 2392-2404, 2024 | 2024 | Cited: 21
70. **Structural optical and morphological properties of copper oxide nanoparticles ablated using pulsed laser ablation in liquid**
Journal of Optics 53 (3), 1936-1945, 2024 | 2024 | Cited: 27
71. **Synthesis of WO₃ NPs by pulsed laser ablation: Effect of laser wavelength**
Journal of Materials Science: Materials in Electronics 35 (7), 533, 2024 | 2024 | Cited: 8
72. **Exploring faradaic and non-faradaic electrochemical impedance spectroscopy approaches in Parkinson's disease diagnosis**
Heliyon, 2024 | 2024 | Cited: 13
73. **Mesoporous Ag@WO₃ core–shell, an investigation at different concentrated environment employing laser ablation in liquid**
Scientific Reports 14 (1), 5473, 2024 | 2024 | Cited: 26
74. **Optimizing charge transport in hybrid GaN-PEDOT:PSS/PMMA Device for advanced application**
Scientific Reports | 2024 | Cited: 9
75. **The unclad single-mode fiber-optic sensor simulation for localized surface plasmon resonance sensing based on silver nanoparticles embedded coating**
Plasmonics 19 (1), 131-143, 2024 | 2024 | Cited: 34
76. **Photoactivation of Ag ions for improved WO₃-based optoelectronic devices**
Journal of Optics, 1-21, 2024 | 2024 | Cited: 10
77. **Cyclic and differential pulse voltammetric measurements on fibrils formation of alpha synuclein in Parkinson's disease by a gold interdigitated tetraelectrodes**
Process Biochemistry 136, 212-220, 2024 | 2024 | Cited: 16
78. **Optical Investigation of In₂O₃/Quartz Nano-films Deposited at Different Laser Energies**
International Journal of Nanoelectronics and Materials (IJNeaM) 17 (June ...), 2024 | 2024 | Cited: 1
79. **Physical Investigations of In₂O₃/Porous Silicon at Different Laser Wavelengths**
International Journal of Nanoelectronics and Materials (IJNeaM) 17 (June), 69-76, 2024 | 2024 | Cited: 3
80. **A novel design of symmetrical grating built on D-shaped optical fiber sensor-based surface plasmon resonance**
Advances in Natural Sciences: Nanoscience and Nanotechnology 15 (3), 035015, 2024 | 2024 | Cited: 5
81. **A sight of view on electrical impacts, structural properties and surface roughness of tungsten trioxide thin film: effect of substrate temperatures in WO₃/Si device ...**
Physica Scripta 98 (3), 035508, 2023 | 2023 | Cited: 19
82. **Preparation of GaN/Porous silicon heterojunction photodetector by laser deposition technique**
Scientific Reports 13 (1), 14746, 2023 | 2023 | Cited: 19
83. **Investigating the influence of deposition time on nanostructured CdS film prepared by chemical bath deposition for photodetection applications**
Journal of Materials Science: Materials in Electronics 34 (27), 1906, 2023 | 2023 | Cited: 7
84. **Nanostructured visible-enhanced CdS/SiO₂/Si heterojunction photodetectors: synthesis, characterization, and performance optimization**
Physica B: Condensed Matter 669, 415303, 2023 | 2023 | Cited: 10

85. **Biosensors Based on Indium Tri-Oxide Nanostructures Deposited on Porous Si Using Pulsed Laser Deposition**
University of Technology, 2023 | 2023
86. **A sight of view on electrical impacts, structural properties and surface roughness of tungsten trioxide thin film: effect of substrate temperatures in WO₃/Si device fabrication**
Physica Scripta | 2023
87. **Effect of laser fluence on the optoelectronic properties of nanostructured GaN/porous silicon prepared by pulsed laser deposition**
Scientific Reports 13 (1), 21007, 2023 | 2023 | Cited: 17
88. **Comparison of physical properties and degradation of polylactic acid and polypropylene facemask layer**
Fibers and Polymers 24 (3), 869-884, 2023 | 2023 | Cited: 8
89. **The structural and optical investigation of grown GaN film on porous silicon substrate prepared by PLD**
Engineering and Technology Journal 41 (02), 270-279, 2023 | 2023 | Cited: 14
90. **Optical and electrical investigations of tungsten trioxide for optoelectronics devices**
Journal of Materials Science: Materials in Electronics 34 (20), 1546, 2023 | 2023 | Cited: 20
91. **Optoelectronic device based on lithium niobate nanofilms deposited at various pulsed laser wavelengths**
Journal of Optics, 1-10, 2023 | 2023 | Cited: 9
92. **Study of single and symmetrical D-shaped optical fiber sensor based on gold nanorods**
Journal of Optics, 1-11, 2023 | 2023 | Cited: 16
93. **Gold nanowires based on photonic crystal fiber by laser ablation in liquid to improve colon biosensor**
Plasmonics, 1-17, 2023 | 2023 | Cited: 29
94. **Integration of microfluidic channel on electrochemical-based nanobiosensors for monoplex and multiplex analyses: An overview**
Journal of the Taiwan Institute of Chemical Engineers 146, 104814, 2023 | 2023 | Cited: 75
95. **Simulations on Aluminum Interdigitated Electrode with Gold nanorod-Zinc Oxide Nanocomposite for Impedance-based Biosensing**
2023 IEEE International Conference on Sensors and Nanotechnology (SENNANO ..., 2023 | 2023 | Cited: 3
96. **Preparation and Characterization of UV-Enhanced GaN/ Porous Si Photodetector using PLA in Liquid**
Silicon | 2023 | Cited: 22
97. **Optical investigations of gold nano rods and gold nano rods doped with ZnO nanoparticles for optoelectronic applications**
Journal of Optics, 1-8, 2023 | 2023 | Cited: 19
98. **Fabrication of UV photodetector based on GaN/ Psi heterojunction using pulse laser deposition method: Effect of different laser wavelengths**
Optical Materials | 2023 | Cited: 41
99. **Analysis on Parkinson's disease through Faradaic Detection**
2023 IEEE International Conference on Sensors and Nanotechnology (SENNANO ..., 2023 | 2023 | Cited: 2
100. **Silver decorated lithium niobat nanostructure by UV activation method for silver–lithium niobate/silicon heterojunction device**
Scientific Reports 13 (1), 11514, 2023 | 2023 | Cited: 19
101. **Photo-activation of Ag chemicals for enhanced Nb₂O₅ optoelectronic device employing plasmonic effects**
Surfaces and Interfaces 36, 102618, 2023 | 2023 | Cited: 35
102. **Effect of different etching time on fabrication of an optoelectronic device based on GaN/Psi**
Journal of Renewable Materials 11 (3), 1101, 2023 | 2023 | Cited: 26
103. **A gold nanoparticles coated unclad single mode fiber-optic sensor based on localized surface plasmon resonance**
Scientific reports 13 (1), 5680, 2023 | 2023 | Cited: 69

104. **Design of an unclad single-mode fiber-optic biosensor based on localized surface plasmon resonance by using COMSOL Multiphysics 5.1 finite element method**
Applied Optics 61 (21), 6257-6267, 2022 | 2022 | Cited: 34
105. **Optical Investigations of GaN Deposited Nano Films Using Pulsed Laser Ablation in Ethanol.**
International Journal of Nanoelectronics & Materials 15 (2), 2022 | 2022 | Cited: 24
106. **Synthesis of gallium nitride nanostructure using pulsed laser ablation in liquid for photoelectric detector**
Materials Science in Semiconductor Processing 150, 106911, 2022 | 2022 | Cited: 35
107. **Physical properties of pure gold nanoparticles and gold doped ZnO nanoparticles using laser ablation in liquid for sensor applications**
Engineering and Technology Journal 40 (02), 422-427, 2022 | 2022 | Cited: 18
108. **Synthesis and characterization of GaN/quartz nanostructure using pulsed laser ablation in liquid**
Physica Scripta 97 (11), 115813, 2022 | 2022 | Cited: 17
109. **Effect of surface treatment on the performance and characterization of DS solar cell**
AIP Conference Proceedings 2400 (1), 030019, 2022 | 2022 | Cited: 3
110. **Photolithography of Nanophotonic Lithium Niobate Films Optical Strip Waveguide**
Frontiers in Optics, JW5A. 75, 2022 | 2022 | Cited: 1
111. **Structural and Textural Defects of Nanophotonic Lithium Niobate Optical Waveguide**
Laser Science, JW4A. 3, 2022 | 2022 | Cited: 3
112. **Low Loss Power Nano-Photonic LiNbO₃ Optical Waveguide**
Laser Science, JW5A. 9, 2022 | 2022 | Cited: 1
113. **Nano-Photonic LiNbO₃ Optical Waveguide Thickness Based on Stirring Time**
Frontiers in Optics, JW5A. 11, 2022 | 2022 | Cited: 1
114. **Synthesis of gold nanowires using laser ablation for improved colon biosensor**
2022
115. **An investigation on GaN/ porous-Si NO₂ gas sensor fabricated by pulsed laser ablation in liquid**
Sensors and Actuators B: Chemical | 2022 | Cited: 34
116. **Synthesized of GaN nanostructure using 1064 nm laser wavelength by pulsed laser ablation in liquid**
Engineering and Technology Journal 40 (2), 404-411, 2022 | 2022 | Cited: 20
117. **Fiber optics for sensing applications in a review**
Key Engineering Materials 911, 65-76, 2022 | 2022 | Cited: 17
118. **Synthesis gallium nitride on porous silicon nano-structure for optoelectronics devices**
Silicon 14 (18), 12837-12853, 2022 | 2022 | Cited: 35
119. **Preparation of gold nanoparticles doped zinc oxide using reactive pulsed laser ablation in liquid**
Key Engineering Materials 911, 55-64, 2022 | 2022 | Cited: 19
120. **Design and Simulation of Optical Fibre Based of Gold Nanoparticles for Sensor Applications.**
International Journal of Nanoelectronics & Materials 15, 2022 | 2022 | Cited: 8
121. **Review of Recent Optical Bio-Sensor Based FBG.**
International Journal of Nanoelectronics & Materials 15, 2022 | 2022 | Cited: 9
122. **D-shape optical fibers based on gold nanoparticles for a different sensors: A review**
AIP Conference Proceedings 2660 (1), 2022 | 2022 | Cited: 8
123. **Synthesis of LiNbO₃/SiO₂/Si Nanostructures Layer by Layer Based on Mach-Zehnder Modulator Using Pulsed Laser Deposition Route**
Silicon 14 (17), 11781-11795, 2022 | 2022 | Cited: 18
124. **The influence of working distance, stirring and electrospinning time on fibre forming properties of electrospun polylactic acid for facemask layer application**
Materials Today: Proceedings 66, 2742-2746, 2022 | 2022 | Cited: 13
125. **Preparation and characterization of titanium dioxide using PLD at various energy of pulsed laser**
Advances in Natural Sciences: Nanoscience and Nanotechnology 13 (4), 045013, 2022 | 2022 | Cited: 14
126. **Review on Photonic Crystal Fiber-Based Nanoparticle for Sensing Applications.**
International Journal of Nanoelectronics & Materials 15, 2022 | 2022 | Cited: 7

127. **Fabrication of Solar Cell Based on Copper Oxide Nanostructures Deposited Using Reactive Pulsed Laser Deposition**
Defect and Diffusion Forum 418, 99-107, 2022 | 2022 | Cited: 10
128. **Optical and Photolumenance Studies of Deposited CuO₂ Nano-Structures at Different Laser Energies Effects**
Defect and Diffusion Forum 418, 109-118, 2022 | 2022 | Cited: 8
129. **Fabrication of biodegradable facemask layer using polylactic acid: Effect of flowrate on fiber forming properties**
Materials Today: Proceedings 66, 2767-2770, 2022 | 2022 | Cited: 5
130. **Synthesis porous silicon substrates using electrochemical etching method assisted by laser**
AIP Conference Proceedings 2660 (1), 2022 | 2022 | Cited: 7
131. **Titanium dioxide–Based sensors: A review**
AIP Conference Proceedings 2660 (1), 2022 | 2022 | Cited: 11
132. **Structural and Morphological Investigations of Indium Trioxide Deposited using PLD at Different Pulsed Laser Energies.**
International Journal of Nanoelectronics & Materials 15, 2022 | 2022 | Cited: 4
133. **Synthesis of Titanium-Dioxide using Pulsed Laser Deposition at Various Pulsed Laser Energies.**
International Journal of Nanoelectronics & Materials 15, 2022 | 2022 | Cited: 5
134. **Treatment of facial telangiectasia using long-pulsed Nd: YAG laser**
AIP Conference Proceedings 2660 (1), 2022 | 2022 | Cited: 6
135. **Gas sensor based on indium trioxide nanostructures in review**
AIP Conference Proceedings 2660 (1), 020136, 2022 | 2022 | Cited: 2
136. **Some of physical properties of neno GaN ablated using pulsed laser in ethanol**
AIP Conference Proceedings 2660 (1), 2022 | 2022 | Cited: 9
137. **Lithium niobate – Based sensors: A review**
AIP Conference Proceedings | 2022 | Cited: 14
138. **Optical characteristics of GaN thin film deposited by pulsed laser ablation**
Preprint Res Square, 2021 | 2021 | Cited: 1
139. **Rapid thermal oxidation of nano silver film for solar cell fabrication**
Digest Journal of Nanomaterials and Biostructures 16 (2), 367 - 375, 2021 | 2021 | Cited: 18
140. **Structural and Optical Properties of nanostructured hybrid LiNbO₃/Silicon wafer for Fabricating Optical Modulator**
Journal of Physics: Conference Series 1795 (1), 012055, 2021 | 2021 | Cited: 25
141. **Review of GaN optical device characteristics, applications, and optical analysis technology**
Materials Today: Proceedings 42, 2815-2821, 2021 | 2021 | Cited: 69
142. **Optical and structural properties of the gold nanoparticles ablated by laser ablation in ethanol for biosensors**
Journal of Physics: Conference Series 1795 (1), 012065, 2021 | 2021 | Cited: 30
143. **Preparation of MgO–MnO₂ nanocomposite particles for cholesterol sensors**
Journal of Materials Science: Materials in Electronics 32 (11), 15523-15532, 2021 | 2021 | Cited: 31
144. **Embedded optical fiber link interferometer sensors for snapshot surface inspection using the synthetic wavelength technique**
Applied Optics 60 (8), 2339-2347, 2021 | 2021 | Cited: 31
145. **Gallium nitride–based photodiode: a review**
Materials Today: Proceedings 42, 2829-2834, 2021 | 2021 | Cited: 94
146. **Synthesis of LN/Si Nanostructures Layer by LayerBased on Mach-Zehnder Modulator using Pulsed Laser Deposition**
2021
147. **Investigation On A Bio-Sensor: A Theoretical Study On Modified Photonic Crystal Fiber Using Plasmonic Nanomaterial**
2021

148. **Design And Optimization of Integrated Mach-Zehnder Modulators In X-Cut Lithium Niobate Thin Film**
2021 | Cited: 1
149. **Synthesize of GaN/quartz Nanostructure Using Pulsed Laser Ablation in Liquid for Optoelectronic Devices**
2021 | Cited: 2
150. **Laser wavelength effects on the optical, structure, and morphological properties of nano HfO₂ structures**
Materials Today: Proceedings 42, 2422-2425, 2021 | 2021 | Cited: 17
151. **Gold nano particles based optical fibers for a different sensor in a review**
Materials Today: Proceedings 42, 2769-2772, 2021 | 2021 | Cited: 34
152. **Influence of annealing temperatures on Nb₂O₅ nanostructures prepared using Pulsed Laser Deposition method**
Journal of Physics: Conference Series 1795 (1), 012063, 2021 | 2021 | Cited: 36
153. **Physical properties of sic nanostructure for optoelectronics applications**
Journal of Renewable Materials 9 (9), 1519, 2021 | 2021 | Cited: 39
154. **Substrate and annealing temperatures effects on the structural results of LiNbO₃ photonic films using PLD method**
AIP conference proceedings 2213 (1), 2020 | 2020 | Cited: 30
155. **Preparation of nano indium oxide for optoelectronics application**
AIP conference proceedings 2213 (1), 2020 | 2020 | Cited: 14
156. **Synthesis of nano titanium oxide for photonic application**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 14
157. **Effects of laser wavelength on some of physical properties of Al₂O₃ nano films for optoelectronic device**
AIP Conference Proceedings 2213 (1), 020227, 2020 | 2020 | Cited: 14
158. **Electrical and detection properties of nano silver oxide deposited by reactive pulsed laser deposition**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 9
159. **Electrical and electronic properties of lithium based thin film for photonic application**
AIP Conference Proceedings 2213 (1), 020230, 2020 | 2020 | Cited: 37
160. **Nano silver oxide based on insulator for optoelectronic device**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 9
161. **Some of the electrical and thermoelectrical properties for Cdo thin films prepared using pulsed laser deposition method**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 22
162. **Oxygen pressure effects on optical properties of ZnO prepared by reactive pulsed laser deposition**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 17
163. **Effects of oxygen pressure on the structural and morphological properties of ZnO prepared by RPLD**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 8
164. **Effects of oxygen gas on the physical properties of tin oxide nano films using laser light as ablation source**
AIP Conference Proceedings 2213 (1), 020235, 2020 | 2020 | Cited: 24
165. **Effect of silicon substrate type on Nb₂O₅/Si device performance: an answer depends on physical analysis**
Optical and Quantum Electronics 52 (10), 463, 2020 | 2020 | Cited: 71
166. **Structural and morphological properties of nano photonic silicon structure for photonics applications**
Defect and Diffusion Forum 398, 29-33, 2020 | 2020 | Cited: 18
167. **Optical and Structural investigations of LiNbO₃ thin films by PLD**
IRAQI JOURNAL OF COMPUTERS, COMMUNICATIONS, CONTROL AND SYSTEMS ENGINEERING ...; 2020 | 2020

168. **Structure and optical properties of HfO**
2020
169. **The Effect of Mode Area and Refractive Index for Optical TE Mode Propagation in Hybrid LN/Si Electro-Optic Structure of Mach-Zehnder Modulator**
IRAQI JOURNAL OF COMPUTERS, COMMUNICATIONS, CONTROL AND SYSTEMS ENGINEERING ...; 2020 | 2020 | Cited: 2
170. **A novel parameter effects on optical properties of the LiNbO3 films using sol-gel method**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 38
171. **An overview of optical modulator based on nanophotonic lithium niobate film**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 22
172. **Gold nanoparticles in ethanol deposited on PCF for refractive index sensors**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 22
173. **Theoretical study of a pure LinbO3/Quartz waveguide coated gold nanorods using supercontinuum laser source**
Optical materials 109, 110363, 2020 | 2020 | Cited: 61
174. **Gold nanoparticles in liquid based on photonic crystal fiber PCF for sensors application**
Defect and Diffusion Forum 398, 23-28, 2020 | 2020 | Cited: 26
175. **Structure and optical properties of HfO2 nano films grown by PLD for optoelectronic device**
AIP Conference Proceedings 2213 (1), 020228, 2020 | 2020 | Cited: 25
176. **Physical investigations of niobium oxide nanorod imploring laser radiation**
Materials Science Forum 1002, 211-220, 2020 | 2020 | Cited: 34
177. **Optical Investigations of Nanophotonic LiNbO3 Films Deposited by Pulsed Laser Deposition Method**
Defect and Diffusion Forum 398, 16-22, 2020 | 2020 | Cited: 42
178. **Morphological and structural properties of Cu2O/2-D photonic silicon nano structure for gas sensors**
AIP Conference Proceedings 2213 (1), 2020 | 2020 | Cited: 24
179. **An overview of Au & photonic crystal fiber of sensors**
Materials Science Forum 1002, 282-289, 2020 | 2020 | Cited: 27
180. **Electrical conductivity inversion for Nb2O5 nanostructure thin films at different temperatures**
Materials Research Express 6 (12), 126459, 2019 | 2019 | Cited: 65
181. **Substrate temperature effects on optical properties and constants of ZnO**
International Journal of Nanoelectronics and Materials 12 (3), 283-290, 2019 | 2019 | Cited: 32
182. **EFFECTS OF SUBSTRATE TEMPERATURES ON OPTICAL PROPERTIES AND CONSTANTS OF ZnO PREPARED BY PLD**
Journal of Ovonic Research 15 (2), 127-133, 2019 | 2019 | Cited: 37
183. **2-D of nano photonic silicon fabrication for sensing application**
Digest Journal of Nanomaterials and Biostructures 14 (4), 873-878, 2019 | 2019 | Cited: 40
184. **Physical investigations of nanophotonic LiNbO3 films for photonic applications**
Journal of Ovonic Research 15 (4), 261-269, 2019 | 2019 | Cited: 44
185. **ALL OPTICAL INVESTIGATIONS OF COPPER OXIDE FOR DETECTION DEVICES**
Journal of Ovonic Research 15 (1), 53 - 59, 2019 | 2019 | Cited: 53
186. **Synthesis of cadmium oxide/Si heterostructure for two-band sensor application**
Iranian Journal of Science and Technology, Transactions A: Science 43 (3 ...; 2019 | 2019 | Cited: 76
187. **Structural, optical and electrical investigations of Al: ZnO nanostructures as UV photodetector synthesized by spray pyrolysis technique**
Materials Research Express 6 (5), 055916, 2019 | 2019 | Cited: 70
188. **Heat treatment assisted-spin coating for LiNbO3 films preparation: their physical properties**
Journal of Physics and Chemistry of Solids 131, 180-188, 2019 | 2019 | Cited: 75
189. **Effect of light induced heat treatment on the structural and morphological properties of LiNbO3 thin films**
Superlattices and Microstructures 128, 67-75, 2019 | 2019 | Cited: 64

190. **Structural, morphological and optical properties of gold nanoparticles using laser ablation in liquid for sensor applications**
Iraqi Journal of Computers, Communication, Control & Systems Engineering 19 ...,, 2019 | 2019 | Cited: 3
191. **Thermal oxidation effects on physical properties of CuO₂ thin films for optoelectronic application**
Materials Research Express 6 (2), 026429, 2019 | 2019 | Cited: 47
192. **THE EFFECT OF ANNEALING TEMPERATURE ON OPTICAL AND PHOTOLUMINESCENCE PROPERTIES OF LiNbO₃**
Surface Review and Letters 26 (10), 1950068, 2019 | 2019 | Cited: 66
193. **Efficiency enhancement of optical strip waveguide by the effect of heat treatment**
Optik 180, 768-774, 2019 | 2019 | Cited: 58
194. **Effect of ammonium concentration on structural, optical and morphological properties of H-Nb₂O₅ thin films—A novel study**
Materials Research Express 6 (4), 2019 | 2019 | Cited: 62
195. **Stirrer time effect on optical properties of nanophotonic LiNbO₃**
Materials Chemistry and Physics 203, 243-248, 2018 | 2018 | Cited: 53
196. **Effect of stirring time on the structural parameters of nanophotonic LiNbO₃ deposited by spin-coating technique**
Optik 156, 886-890, 2018 | 2018 | Cited: 55
197. **Reduction the corrosion rate of 304 stainless steel using pulsed laser shock penning method**
IOP Conference Series: Materials Science and Engineering 454 (1), 012162, 2018 | 2018 | Cited: 22
198. **Optical and morphological studies of LiNbO₃ nano and micro photonic structural**
AIP Conference Proceedings 2045 (1), 2018 | 2018 | Cited: 38
199. **Synthesis of nano porous silicon heterostructures for optoelectronic applications**
AIP Conference Proceedings 2045 (1), 2018 | 2018 | Cited: 31
200. **Fourier transform infrared spectroscopy and photo luminance results for ZnO NPs prepared at different preparation condition using LP-PLA technique**
International Journal of Nanoelectronics and Materials 11, 65-72, 2018 | 2018 | Cited: 39
201. **Optical Investigations of Nano Lithium Niobate Deposited by Spray Pyrolysis Technique with Injection of Li₂CO₃ and Nb₂O₅ as Raw Materials**
International Journal of Nanoelectronics and Materials 11, 103-108, 2018 | 2018
202. **All Optical Properties and Optical Constants of Copper Oxide for Optoelectronic Application**
Indian Journal of Natural Sciences 8 (49), 14348-14353, 2018 | 2018
203. **Photonic crystal fibres PCF for different sensors in review**
IOP conference series: materials science and engineering 454 (1), 012173, 2018 | 2018 | Cited: 52
204. **Responsivity and Response Time of Nano Silver Oxide on Silicon Heterojunction Detector**
International Journal of Nanoelectronics and Materials 11, 109-114, 2018 | 2018 | Cited: 63
205. **Epitaxial growth of photonic LiNbO₃ nano crystals and structural studies using for waveguides**
AIP Conference Proceedings 2045 (1), 2018 | 2018 | Cited: 22
206. **The enhancement of the corrosion protection of 304 stainless steel using Al₂O₃ films by PLD method**
AIP Conference Proceedings 2045 (1), 2018 | 2018 | Cited: 45
207. **Optical properties of micro and nano LiNbO₃ thin film prepared by spin coating**
Optics & Laser Technology 103, 226-232, 2018 | 2018 | Cited: 59
208. **Structural electrical and detection properties of copper oxide based on optoelectronic device**
IOP Conference Series: Materials Science and Engineering 454 (1), 012172, 2018 | 2018 | Cited: 31
209. **OPTICAL INVESTIGATIONS AND OPTICAL CONSTANTS OF NANO SILVER OXIDE PREPARED BY PLD METHOD**
Sci.Int.(Lahore) 30 (1), 33-36, 2018 | 2018 | Cited: 3
210. **Optical investigations and optical constant of nano lithium niobate deposited by spray pyrolysis technique with injection of Li₂CO₃ and Nb₂O₅ as raw materials**
Journal of Materials Science: Materials in Electronics 29, 9200-9208, 2018 | 2018 | Cited: 100
211. **Some of Electrical and Detection properties of nano silver oxide**
IOP Conference Series: Materials Science and Engineering 454 (1), 012161, 2018 | 2018 | Cited: 19

212. **Synthesis of Bi₂O₃ films, studying their optical, structural, and surface roughness properties**
IOP Conference Series: Materials Science and Engineering 454 (1), 012160, 2018 | 2018 | Cited: 52
213. **Physical investigations of nano and micro lithium-niobate deposited by spray pyrolysis technique**
AIP conference proceedings 2045 (1), 2018 | 2018 | Cited: 42
214. **The structure and optical properties of Lithium Niobate grown on quartz for photonics application**
EPJ Web of Conferences 162, 01005, 2017 | 2017 | Cited: 55
215. **Effects of different parameters on XRD properties of nano and micro LiNbO₃ using chemical method**
Adv Nano Energy 1 (2), 98-106, 2017 | 2017 | Cited: 4
216. **Structural and Optical Properties of Nanophotonic LiNbO₃ under Stirrer Time Effect**
Journal of Optical Communications, 2017 | 2017 | Cited: 53
217. **Synthesis and characterization of nanostructured LiNbO₃ films with variation of stirring duration**
Journal of Materials Science: Materials in Electronics 28, 11813-11822, 2017 | 2017 | Cited: 66
218. **Enhancement of Lithium Niobate nanophotonic structures via spin-coating technique for optical waveguides application**
EPJ Web of Conferences 162, 01004, 2017 | 2017 | Cited: 71
219. **Zinc oxide flakes-corolla lobes like nano combined structure for SAW applications**
Materials Research Bulletin 86, 215-219, 2017 | 2017 | Cited: 59
220. **Some physical properties of Nb₂O₅ thin films prepared using nobic acid based colloidal suspension at room temperature**
Materials Research Express 4 (10), 106407, 2017 | 2017 | Cited: 64
221. **Frequency-based detection of female Aedes mosquito using surface acoustic wave technology: Early prevention of dengue fever**
Microelectronic Engineering 179, 83-90, 2017 | 2017 | Cited: 63
222. **Annealing temperature effect on structural and morphological properties of nano photonic LiNbO₃**
Journal of Materials Science: Materials in Electronics 28, 16728-16735, 2017 | 2017 | Cited: 60
223. **Simulation, fabrication and validation of surface acoustic wave layered sensor based on ZnO/IDT/128° YX LiNbO₃**
International Journal of Applied Engineering Research | 2016
224. **Preparation and charactrization of photonic LiNbO₃ generated from mixing of new raw materials using spry pyrolysis method**
Journal of Materials Science: Materials in Electronics 27, 13105-13112, 2016 | 2016 | Cited: 64
225. **XRD Analysis and Morphological Studies of Spin Coated LiNbO₃ Nano Photonic Crystal Prepared for Optical Waveguide Application**
Advanced Materials Research 1133, 457-461, 2016 | 2016 | Cited: 31
226. **Effects of chemical stirring time on the physical properties for LiNbO₃ photonic film using of optical waveguide applications**
Procedia Chemistry 19, 531-538, 2016 | 2016 | Cited: 7
227. **Preparation of nanophotonics LiNbO₃ thin films and studying their morphological and structural properties by sol-gel method for waveguide applications**
International Journal of Chemical and Molecular Engineering 10 (5), 519-524, 2016 | 2016 | Cited: 6
228. **Annealing effects on opto-electronic properties of Ag₂O films growth using thermal evaporation techniques**
Int. J. Nanoelectronics and Materials 9 (2016) 93-102 9, 93-102, 2016 | 2016 | Cited: 53
229. **Simulation, fabrication and validation of surface acoustic wave layered sensor based on ZnO/IDT/128° YX LiNbO₃**
Int. J. Appl. Eng. Res 11 (15), 8785-8790, 2016 | 2016 | Cited: 57
230. **Fabricated Optical Strip Waveguide of Nanophotonics Lithium Niobate**
IEEE Photonics Journal 8 (2016), -1-104500410, 2016 | 2016 | Cited: 45
231. **IMPORTANT PARAMETERS ANALYSIS OF THE SINGLE-WALLED CARBON NANOTUBES COMPOSITE MATERIALS**
ARPJ Journal of Engineering and Applied Sciences 11 (8), 5108-5113, 2016 | 2016 | Cited: 43

232. **Modelling and Simulation of Rectangular Bundle of Single-Walled Carbon Nanotubes for Antenna Applications**
Key Engineering Materials 701, 57-66, 2016 | 2016 | Cited: 26
233. **Synthesis of Nanosized LiNbO₃ Photonic Crystals for Optical Waveguides**
Institute of Nano Electronic Engineering, 2016 | 2016
234. **Synthesis, enhanced and characterization of nano and micro photonic LiNbO₃ Single Crystals using for optical waveguide applications by sol- gel method**
AIP proceda, 2016 | 2016
235. **Band gap determination in photonic LiNbO₃ thin film from reflectance measurements under Effect of chemical stirring time using for optical waveguide applications**
AIP proceda, 2016 | 2016
236. **Preparation of nanophotonics LiNbO₃ Thin Films and studying its morphological and Structural properties by Sol- Gel method for Waveguide Applications**
international Journal of Chemical, Molecular, Nuclear, Materials and..., 2016 | 2016
237. **Structural properties and surface morphology analysis of nanophotonic LINBO₃**
ARPJ Journal of Engineering and Applied Sciences 11 (8), 4974-4978, 2016 | 2016 | Cited: 54
238. **Reactive PLD of ZnO thin film for optoelectronic application**
Int. J. Nanoelectronics and Materials 9 (-), 111-122, 2016 | 2016 | Cited: 60
239. **Structural properties and surface morphology analysis of nanophotonic LINBO₃**
ARPJ Journal of Engineering and Applied Sciences | 2016
240. **Simulation, fabrication and validation of surface acoustic wave layered sensor based on ZnO/IDT/ 128° YX LiNbO₃**
International Journal of Applied Engineering Research | 2016
241. **PHYSICOCHEMICAL PROPERTIES OF ZnO NANOPARTICLES PREPARED USING LOW ENERGY LOW REPETITION RATE LASER SYSTEM**
Sci.Int.(Lahore) 28 (5), 4501-4506, 2016 | 2016 | Cited: 6
242. **Optical investigation of nanophotonic lithium niobate-based optical waveguide**
Applied Physics B 121, 107-116, 2015 | 2015 | Cited: 73
243. **Epitaxial Growth and Optical study of photonic lithium niobate thin films using for Optical waveguide Sensor**
AIP, 11th Asian Conference on Chemical Sensors (ACCS2015), 2015 | 2015
244. **Rapid thermal oxidation of copper nanostructureThin film for solar cell fabrication**
Iraqi Journal of Physics, 2015 | 2015 | Cited: 1
245. **Effect of Substrate Temperature on Structural Characteristics of Nano Silver Oxide Prepared by Pulsed-Laser Deposition**
IRAQI JOURNAL OF APPLIED PHYSICS 11 (2), 33-36, 2015 | 2015 | Cited: 9
246. **Annealing temperature effects on morphological and optical studies of nano and micro photonics lithium niobate using for optical waveguide applications**
Australian Journal of Basic and Applied Sciences 9, 128-133, 2015 | 2015 | Cited: 26
247. **Optical investigations of photonics lithium niobate**
Solar Energy 120, 381-388, 2015 | 2015 | Cited: 74
248. **Structural and morphological studies for LINBO₃ nanocrystal prepared using chemical method**
AMC 2014 CONFERENCE, 1-4, 2014 | 2014
249. **Optical properties of Cauliflower-like Bi₂O₃ nanostructures by reactive pulsed laser deposition (PLD) technique**
Solar Energy | 2014
250. **Optical properties of Cauliflower-like Bi₂O₃ nanostructures by reactive pulsed laser deposition (PLD) technique,**
accepted at journal of solar energy, 2014 | 2014 | Cited: 68
251. **Effect of Substrate Temperature on Optical and Structural Properties of Indium Oxide Thin Films Prepared by Reactive PLD Method**
Eng. & Tech. Journal, Vol.32, Part (A), No.5, 2014 32 (5), 1323, 2014 | 2014 | Cited: 11

252. **Laser Wavelength and Energy Effect on Optical and Structure Properties for NanoTitanium Oxide Prepared by Pulsed Laser Deposition**
Iraqi Journal of Physics, 2014 12 (25), 62-68, 2014 | 2014 | Cited: 7
253. **Effect of some vegetables (Carrots, Onion, Parsley, and Red radish) on Corrosion Behavior of Amalgam Dental Filling in Artificial Saliva**
Engineering and Technology Journal 32 (5), 1216-1226, 2014 | 2014
254. **Laser flounce impact on trioxide Bismuth physical properties**
AMC 2014 CONFERENCE, 1-9, 2014 | 2014
255. **GLANCING ANGLE REACTIVE PULSED LASER DEPOSITION (GRPLD) FOR Bi 2 O 3/Si HETEROSTRUCTURE**
Modern Physics Letters B 27 (16), 1350122-7- 1350122-1, 2013 | 2013 | Cited: 65
256. **Metal oxide nanoparticles suspension for optoelectronic devises fabrication**
International Journal of Nanoelectronics and Materials 6 (2), 121-128, 2013 | 2013 | Cited: 46
257. **NANO AND MICRO INDIUM OXIDE STRUCTURE PREPARED USING LASER ABLATION METHOD**
The Iraqi Journal For Mechanical And Material Engineering 13 (.1), 120-128, 2013 | 2013 | Cited: 6
258. **Metal oxide nanoparticles suspension for optoelectronic device fabrication**
Int. J. Nanoelectronics and Materials 6 (2), 121-128, 2013 | 2013 | Cited: 19
259. **Glancing angle reactive pulsed laser deposition (GRPLD) for Bi $\times 2$ /O $\times 3$ /Si heterostructure**
Modern Physics Letters B | 2013
260. **Optical and structure properties for nano titanium oxide thin film prepared by PLD**
Engineering Sciences (FNCEs), 2012 First National Conference, 1-5, 2012 | 2012 | Cited: 58
261. **Laser Energy Effects on Optical Properties of Titanium Di-Oxide Prepared by Reactive Pulsed Laser Deposition**
Eng.&Tech. Journal 30 (2012), 3104-3111, 2012 | 2012 | Cited: 6
262. **Oxygen pressure effect on optical properties and FTIR results of MgO thin films prepared using RPLD technique**
Al-Mustansiriyah Journal of Science 21 (5), 2010 | 2010 | Cited: 2
263. **Study the properties of silicon nanocrystallites prepared by wet etching**
Eng. & Tech. Journal, Vol. 28, No. 2, 2010 28 (2), 301-306, 2010 | 2010 | Cited: 5
264. **المحضرة بطريقة الترسيب بالليزر النبضي Cdo\Si النلدين الحراري التقليدي للنبيلة المهجنة نوع**
Eng. & Tech. Journal 27 (14), 500-506, 2009 | 2009
265. **Enhanced the response time of the P-N junction Photodetector**
Eng.&Tecnol.Vol.26,No.4,2008 26 (4), 423-428, 2008 | 2008 | Cited: 3
266. **Transparent and conducting ZnO films prepared by reactive pulsed laser deposition**
Journal of Materials Science: Materials in Electronics 18, 397-400, 2007 | 2007 | Cited: 61
267. **High transmittance-low resistivity cadmium oxide films grown by reactive pulsed laser deposition**
Journal of Materials Science: Materials in Electronics | 2007 | Cited: 66
268. **Fourier Transform Infrared Spectroscopy and Photo luminance Results for ZnO NPs Prepared at Different Preparation Condition Using LP-PLA**
0
269. **Effect of Laser Wavelength on Gallium nitride (GaN) Thin Films Deposited by Pulsed Laser Deposition Method**
parameters 33, 35, 0 | 0
270. **Optical Investigations of GaN Nano Films Deposited Using Pulsed Laser Ablation in Ethanol**
0
271. **ENHANCEMENT OF NANO AND MICRO PHOTONICS LITHIUM NIOBATE VIA SPIN-COATING TECHNIQUE FOR OPTICAL WAVEGUIDE APPLICATIONS**
0
272. **Preparation of nanophotonics LiNbO3 Thin Films and studying its morphological and Structural properties by Sol-Gel method for Waveguide Applications**
0

273. **Morphological and Optical Properties of Cu₂O/2-D Silicon Photonic Structure for Sensing Applications**
0