

# Nafarizal Nayan

## List of Publications by Year in descending order

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167  
papers

1,504  
citations

361045

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h-index

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32  
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167  
all docs

167  
docs citations

167  
times ranked

1425  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Inorganic thermoelectric materials: A review. International Journal of Energy Research, 2020, 44, 6170-6222.   | 2.2 | 119       |
| 2  | Surface Study of CuO Nanopetals by Advanced Nanocharacterization Techniques with Enhanced Optical and Catalytic Properties. Nanomaterials, 2020, 10, 1298.   | 1.9 | 98        |
| 3  | Cytotoxicity of MXene-based nanomaterials for biomedical applications: A mini review. Environmental Research, 2021, 201, 111592.   | 3.7 | 91        |
| 4  | Healing of fatigue damage in NiTi shape memory alloys. Journal Physics D: Applied Physics, 2008, 41, 185408.   | 1.3 | 64        |
| 5  | Effect of Scandium addition on evolution of microstructure, texture and mechanical properties of thermo-mechanically processed Al-Li alloy AA2195. Journal of Alloys and Compounds, 2018, 740, 364-374.  | 2.8 | 53        |
| 6  | A review of nanotechnological applications to detect and control surface water pollution. Environmental Technology and Innovation, 2021, 24, 102032.   | 3.0 | 49        |
| 7  | Thermoelectric Generator: Materials and Applications in Wearable Health Monitoring Sensors and Internet of Things Devices. Advanced Materials Technologies, 2022, 7, .   | 3.0 | 42        |
| 8  | Unnotched fatigue behavior of an austenitic Niâ€“Ti shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 497, 333-340.  | 2.6 | 38        |
| 9  | Spatial distribution of the velocity distribution function of Fe atoms in a magnetron sputtering plasma source. Journal of Applied Physics, 2005, 98, 043310.  | 1.1 | 30        |
| 10 | Ag-nanoparticle as a Q switched device for tunable C-band fiber laser. Optics Communications, 2016, 381, 85-90.  | 1.0 | 29        |
| 11 | Effect of oxygen flow rate on the ultraviolet sensing properties of zinc oxide nanocolumn arrays grown by radio frequency magnetron sputtering. Ceramics International, 2016, 42, 4107-4119.   | 2.3 | 29        |
| 12 | Raman investigation of rutile-phased TiO <sub>2</sub> nanorods/nanoflowers with various reaction times using one step hydrothermal method. Journal of Materials Science: Materials in Electronics, 2016, 27, 7920-7926.  | 1.1 | 28        |
| 13 | Dye-sensitized solar Cell using pure anatase TiO <sub>2</sub> annealed at different temperatures. Optik, 2017, 140, 1063-1068.   | 1.4 | 28        |
| 14 | Difference in structural and chemical properties of solâ€“gel spin coated Al doped TiO <sub>2</sub> , Y doped TiO <sub>2</sub> and Gd doped TiO <sub>2</sub> based on trivalent dopants. RSC Advances, 2018, 8, 29686-29697.                                   | 1.7 | 28        |
| 15 | Synthesis, characterization and biophysical evaluation of the 2D Ti <sub>2</sub> CTx MXene using 3D spheroid-type cultures. Ceramics International, 2021, 47, 22567-22577.   | 2.3 | 26        |
| 16 | Ambient and cryogenic tensile properties of AA2195T87 sheets with pre-aging cold work by a combination of cold rolling and stretching. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 585, 475-479. | 2.6 | 25        |
| 17 | Tunable single wavelength erbium-doped fiber ring laser based on in-line Mach-Zehnder strain. Optik, 2016, 127, 8326-8332.   | 1.4 | 25        |
| 18 | Two-Dimensional Distributions of Ti and Ti+Densities in High-Pressure Magnetron Sputtering Discharges. Japanese Journal of Applied Physics, 2005, 44, L737-L739.   | 0.8 | 24        |

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|----|--|-----|-----------|
| 19 | Biophysical characteristics of cells cultured on cholesteryl ester liquid crystals. <i>Micron</i> , 2014, 56, 73-79.   | 1.1 | 23        |
| 20 | Improved Sensitivity and Selectivity of Direct Localized Surface Plasmon Resonance Sensor Using Gold Nanobipyramids for Glyphosate Detection. <i>IEEE Sensors Journal</i> , 2020, 20, 2378-2389.   | 2.4 | 23        |
| 21 | Production of Ar metastable atoms in the late afterglow of pulse-modulated rf magnetron sputtering plasmas. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 035206.  | 1.3 | 20        |
| 22 | Differences between two strains of <i>Ceriporiopsis subvermispora</i> improving the nutritive value of wheat straw for ruminants. <i>Journal of Applied Microbiology</i> , 2017, 123, 352-361.   | 1.4 | 20        |
| 23 | Fabrication and characterization of rutile-phased titanium dioxide (TiO <sub>2</sub> ) nanorods array with various reaction times using one step hydrothermal method. <i>Optik</i> , 2018, 154, 510-515.   | 1.4 | 20        |
| 24 | Deposition profile of Ti film inside a trench and its correlation with gas-phase ionization in high-pressure magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006, 24, 2206-2211.                              | 0.9 | 18        |
| 25 | A Review on The Exploration of Nanomaterials Application in Pavement Engineering. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 73, .   | 0.3 | 18        |
| 26 | Titanium dioxide-based Q-switched dual wavelength in the 1 micron region. <i>Chinese Optics Letters</i> , 2016, 14, 091403-91407.  | 1.3 | 18        |
| 27 | Reduced graphene oxide-multiwalled carbon nanotubes hybrid film with low Pt loading as counter electrode for improved photovoltaic performance of dye-sensitised solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10723-10743. | 1.1 | 17        |
| 28 | Effects of Oxygen (O <sub>2</sub> ) Plasma Treatment in Promoting the Germination and Growth of Chili. <i>Plasma Chemistry and Plasma Processing</i> , 2022, 42, 91-108.   | 1.1 | 17        |
| 29 | Warm Mix Asphalt Technology: A Review. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 71, .  | 0.3 | 16        |
| 30 | Interfacial study of cell adhesion to liquid crystals using widefield surface plasmon resonance microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 156-162.  | 2.5 | 15        |
| 31 | Heterojunction of SnO <sub>2</sub> nanosheet/arrayed ZnO nanorods for humidity sensing. <i>Materials Chemistry and Physics</i> , 2022, 288, 126436.  | 2.0 | 15        |
| 32 | Interface study of hybrid CuO nanoparticles embedded ZnO nanowires heterojunction synthesized by controlled vapor deposition approach for optoelectronic devices. <i>Optical Materials</i> , 2021, 117, 111132.  | 1.7 | 14        |
| 33 | Non-Polar Gallium Nitride for Photodetection Applications: A Systematic Review. <i>Coatings</i> , 2022, 12, 275.   | 1.2 | 13        |
| 34 | Kinetics of the Pyrolysis and Combustion Characteristics of Non-edible Oilseeds (Karanja and Neem) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Environmental Effects, 2015, 37, 2352-2359.   | 1.2 | 12        |
| 35 | High-Temperature Deformation Processing Map Approach for Obtaining the Desired Microstructure in a Multi-component (Ni-Ti-Cu-Fe) Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 2201-2215.          | 1.1 | 12        |
| 36 | Microstructure and Mechanical Properties of Cryorolled Aluminum Alloy AA2219 in Different Thermomechanical Processing Conditions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 321-341.                  | 1.1 | 12        |

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|----|--|-----|-----------|
| 37 | Enhancement of Ti density in high-pressure magnetron sputtering plasmas. Journal Physics D: Applied Physics, 2010, 43, 124012.   | 1.3 | 11        |
| 38 | FSS Design for Improving Transmission of Microwave Signals and Wireless Security in Modern Buildings. Journal of Electronic Materials, 2021, 50, 3438-3446.  | 1.0 | 11        |
| 39 | Mixing Studies Related to the Cleaning of Molten Aluminium. Chemical Engineering and Technology, 2004, 27, 310-314.  | 0.9 | 10        |
| 40 | Sticking probability of Ti atoms in magnetron sputtering deposition evaluated from the spatial distribution of Ti atom density. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 308-311.                     | 0.9 | 10        |
| 41 | Precise Control of Metal Oxide Thin Films Deposition in Magnetron Sputtering Plasmas for High Performance Sensing Devices Fabrication. Procedia Chemistry, 2016, 20, 93-97.  | 0.7 | 10        |
| 42 | Silicon-based microring resonators for multi-solitons generation for THz communication. Optical and Quantum Electronics, 2016, 48, 1.  | 1.5 | 10        |
| 43 | ZnO nanowires based schottky contacts of Rh/ZnO interfaces for the enhanced performance of electronic devices. Surfaces and Interfaces, 2020, 21, 100649.  | 1.5 | 10        |
| 44 | Measurement of Cu atom density in a magnetron sputtering plasma source using an YBaCuO target by laser-induced fluorescence imaging spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 2100-2104. | 0.9 | 9         |
| 45 | Investigations of Production Processes of Ti in High-Pressure Magnetron Sputtering Plasmas. Japanese Journal of Applied Physics, 2009, 48, 126003.   | 0.8 | 9         |
| 46 | Fabrication of inverted bulk heterojunction organic solar cells based on conjugated P3HT:PCBM using various thicknesses of ZnO buffer layer. Optik, 2015, 126, 645-648.  | 1.4 | 9         |
| 47 | A portable respiratory rate estimation system with a passive single-lead electrocardiogram acquisition module. Technology and Health Care, 2016, 24, 591-597.  | 0.5 | 9         |
| 48 | Effect of heat treatment to the rutile based dye sensitized solar cell. Optik, 2016, 127, 4076-4079.   | 1.4 | 9         |
| 49 | Hydrophobic rutile phase TiO <sub>2</sub> nanostructure and its properties for self-cleaning application. AIP Conference Proceedings, 2017, , .  | 0.3 | 9         |
| 50 | Low-temperature-dependent growth of titanium dioxide nanorod arrays in an improved aqueous chemical growth method for photoelectrochemical ultraviolet sensing. Journal of Materials Science: Materials in Electronics, 2019, 30, 1017-1033.   | 1.1 | 9         |
| 51 | Corrosion Behavior of AZ91 Mg-Alloy Coated with AlN and TiN in NaCl and Hank's Solution. Advanced Materials Research, 2012, 626, 275-279.  | 0.3 | 8         |
| 52 | Synthesis characteristics of Cu particulates in high-pressure magnetron sputtering plasmas studied by in situ laser-light scattering. Journal Physics D: Applied Physics, 2012, 45, 505202.  | 1.3 | 8         |
| 53 | FPGA design and implementation of Electrocardiogram biomedical embedded system. , 2014, , .  |     | 8         |
| 54 | Analysis of Microstructure and Texture Evolution in Mg-3Al-1Zn Alloy Processed Through Groove Rolling. Journal of Materials Engineering and Performance, 2015, 24, 2091-2098.  | 1.2 | 8         |

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|----|--|-----|-----------|
| 55 | Sticking probabilities of Cu, Zn, Sn, and S atoms in magnetron sputtering plasmas employing a Cu <sub>2</sub> ZnSnS <sub>4</sub> stoichiometric target. <i>Vacuum</i> , 2015, 121, 26-31.        | 1.6 | 8         |
| 56 | Performance comparison between silicon solar panel and dye-sensitized solar panel in Malaysia. <i>AIP Conference Proceedings</i> , 2017, , .   | 0.3 | 8         |
| 57 | One-step wet chemical synthesis of gold nanoplates on solid substrate using poly-L-lysine as a reducing agent. <i>MethodsX</i> , 2018, 5, 1618-1625.   | 0.7 | 8         |
| 58 | Are dominant sputtering products from metal targets really monatomic?. <i>Vacuum</i> , 2008, 83, 463-466.  | 1.6 | 7         |
| 59 | Characterization of TiAlBN Nanocomposite Coating Deposited via Radio Frequency Magnetron Sputtering Using Single Hot-Pressed Target. <i>Advanced Materials Research</i> , 2012, 626, 298-301.    | 0.3 | 7         |
| 60 | Sputter Deposition of Cuprous and Cupric Oxide Thin Films Monitored by Optical Emission Spectroscopy for Gas Sensing Applications. <i>Procedia Chemistry</i> , 2016, 20, 124-129.                | 0.7 | 7         |
| 61 | Effect of Deposition Time on Gd doped ZnO using Simultaneous RF and DC Sputtering. , 2019, , .   |     | 7         |
| 62 | Sol-Gel Synthesis of TiO <sub>2</sub> Thin Films from In-House Nano-TiO <sub>2</sub> Powder. <i>Advances in Materials Physics and Chemistry</i> , 2012, 02, 16-20.                               | 0.3 | 7         |
| 63 | Correlation between Microstructure of Copper Oxide Thin Films and its Gas Sensing Performance at Room Temperature. <i>Procedia Chemistry</i> , 2016, 20, 45-51.                                  | 0.7 | 6         |
| 64 | Investigation of the Structural, Optical and Electrical Properties of Gadolinium-Doped Zinc Oxide Films Prepared by Sol-Gel Method. <i>Advanced Materials Research</i> , 0, 1133, 424-428.       | 0.3 | 6         |
| 65 | Advanced Nanoscale Surface Characterization of CuO Nanoflowers for Significant Enhancement of Catalytic Properties. <i>Molecules</i> , 2021, 26, 2700.   | 1.7 | 6         |
| 66 | Annealing temperature induced improved crystallinity of YSZ thin film. <i>Materials Research Express</i> , 2020, 7, 056406.  | 0.8 | 6         |
| 67 | Computation of the homogenization regime for aluminum alloy AA2219 on the basis of diffusion theory. <i>Metal Science and Heat Treatment</i> , 2005, 47, 522-525.                                | 0.2 | 5         |
| 68 | Influence of outlet channel width to the flow velocity and pressure of a flow focusing microfluidic device. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 160, 012086. | 0.3 | 5         |
| 69 | Zero voltage switching driver and flyback transformer for generation of atmospheric pressure plasma jet. <i>AIP Conference Proceedings</i> , 2017, , .   | 0.3 | 5         |
| 70 | Atmospheric pressure plasma needle jet treated on aluminium thin film for semiconductor industries. <i>Materials Today: Proceedings</i> , 2019, 7, 715-720.                                      | 0.9 | 5         |
| 71 | Adsorption effect of oxygen on ZnO Nanowires (100 nm) leading towards pronounced edge effects and voltage enhancement. <i>Materials Research Express</i> , 2020, 7, 095004.                      | 0.8 | 5         |
| 72 | Analysis of the Effect of Growth Parameters on Graphene Synthesized by Chemical Vapor Deposition. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2015, 10, 50-55.                       | 0.1 | 5         |

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|----|--|-----|-----------|
| 73 | Surface Tension Analysis of Cost-Effective Paraffin Wax and Water Flow Simulation for Microfluidic Device. <i>Advanced Materials Research</i> , 0, 832, 773-777.                                       | 0.3 | 4         |
| 74 | Transmission of Microwave Signal through Metal-Oxide Thin Film of Energy Saving Glass Using Different Shape of Frequency Selective Structure. <i>Advanced Materials Research</i> , 0, 925, 630-634.    | 0.3 | 4         |
| 75 | Bias voltage dependent structure and morphology evolution of magnetron sputtered YSZ thin film: a basic insight. <i>Materials Research Express</i> , 2019, 6, 106414.                                  | 0.8 | 4         |
| 76 | Enhancement of spin Seebeck effect of reverse spin crossover Fe (II) micellar charge transport using PMMA polymer electrolyte. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6268.              | 1.7 | 4         |
| 77 | Investigation of Si-based thermoelectrochemical cells (TECs) towards semiconductor fabrication and processing. <i>Semiconductor Science and Technology</i> , 2021, 36, 115006.                         | 1.0 | 4         |
| 78 | Optimization of RF magnetron sputtering plasma using Zn target. , 2010, , .  |     | 3         |
| 79 | Study on the use of TiO <sub>2</sub> passivation layer to reduce recombination losses in dye sensitized solar cells. , 2012, , .   |     | 3         |
| 80 | Oxide semiconductors for solar to chemical energy conversion: nanotechnology approach. <i>Ionics</i> , 2014, 20, 581-592.  | 1.2 | 3         |
| 81 | Absorbance Analysis of <i>Escherichia coli</i> ( <i>E. coli</i> ) Bacteria Suspension in Polydimethylsiloxane (PDMS)-Glass Based Microfluidic. <i>Advanced Materials Research</i> , 2016, 1133, 65-69. | 0.3 | 3         |
| 82 | Effect of anneal temperature on fluorine doped tin oxide (FTO) nanostructured fabricated using hydrothermal method. <i>AIP Conference Proceedings</i> , 2017, , .                                      | 0.3 | 3         |
| 83 | Comparison of biophysical properties characterized for microtissues cultured using microencapsulation and liquid crystal based 3D cell culture techniques. <i>Cytotechnology</i> , 2018, 70, 13-29.    | 0.7 | 3         |
| 84 | Influence of Various Target to Substrate Distances on the Structural and Optical Properties of Sputtered Gd-Doped ZnO Thin Films. <i>Solid State Phenomena</i> , 0, 317, 471-476.                      | 0.3 | 3         |
| 85 | DD scan test method for fault localization technique on CMOS VLSI failure analysis. , 2010, , .  |     | 2         |
| 86 | Plasma properties of RF magnetron sputtering system using Zn target. , 2012, , .   |     | 2         |
| 87 | Effects of trypsin and cytochalasin-B treatments to cell traction forces. , 2012, , .  |     | 2         |
| 88 | Morphology, topography and thickness of copper oxide thin films deposited using magnetron sputtering technique. , 2013, , .  |     | 2         |
| 89 | Surface Morphology and Optical Properties of ZnO Films Synthesis Using Different Solvent. <i>Advanced Materials Research</i> , 0, 832, 478-482.  | 0.3 | 2         |
| 90 | Fabrication and Characterisation of the Electrical and Physical Properties of the Mask Printed Graphite Paste Electrodes on Paper Substrates. <i>Advanced Materials Research</i> , 0, 925, 510-513.    | 0.3 | 2         |

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|-----|---|-----|-----------|
| 91  | Absolute densities of Cu, Zn, Sn, and S atoms in magnetron sputtering plasmas employing a Cu <sub>2</sub> ZnSnS <sub>4</sub> target. Japanese Journal of Applied Physics, 2016, 55, 07LC02.       | 0.8 | 2         |
| 92  | The influence of N <sub>2</sub> flow rate on Ar and Ti Emission in high-pressure magnetron sputtering system plasma. AIP Conference Proceedings, 2017, , .  | 0.3 | 2         |
| 93  | Development of atmospheric pressure plasma needle jet for sterilization applications. AIP Conference Proceedings, 2017, , .   | 0.3 | 2         |
| 94  | Fabrication of TiO <sub>2</sub> nanostructures on porous silicon for thermoelectric application. AIP Conference Proceedings, 2017, , .  | 0.3 | 2         |
| 95  | Rutile Phased Titanium Dioxide (TiO <sub>2</sub> ) Nanorod/Nanoflower Based Waste Water Treatment Device. Advances in Intelligent Systems and Computing, 2017, , 483-490.                         | 0.5 | 2         |
| 96  | Plasma diagnostic by optical emission spectroscopy on reactive magnetron sputtering plasma "A Brief Introduction. Journal of Physics: Conference Series, 2018, 1027, 012005.                      | 0.3 | 2         |
| 97  | HANDLING EMERGENCE OF DYNAMIC VISUAL REPRESENTATION DESIGN FOR COMPLEX ACTIVITIES IN THE COLLABORATION. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .                                  | 0.3 | 2         |
| 98  | The investigation of chlorpyrifos (Cpy) detection of PEDOT:PSS-MXene(Ti <sub>2</sub> CTX)-BSA-GO composite using P-ISFET reduction method. Polymer Bulletin, 2023, 80, 1243-1264.                 | 1.7 | 2         |
| 99  | Study on TiO <sub>2</sub> film for dye-sensitized solar cell using natural dyes. , 2010, , .  |     | 1         |
| 100 | Failure analysis using I <sub>DD</sub> current leakage and photo localization for gate oxide defect of CMOS VLSI. , 2010, , .   |     | 1         |
| 101 | Morphological and optical characteristics of porous silicon structure formed by electrochemical etching. , 2010, , .  |     | 1         |
| 102 | Study on the influence of oxygen/argon flow ratio toward the growth of TiO <sub>2</sub> film in reactive magnetron sputtering plasma. , 2012, , .   |     | 1         |
| 103 | ZnO nanostructures grown on porous silicon substrate without catalyst. , 2012, , .  |     | 1         |
| 104 | Performance of Ultraviolet Photoconductive Sensor Based on Aluminium-Doped Zinc Oxide Nanorod-Nanoflake Network Thin Film Using Aluminium Contacts. Advanced Materials Research, 0, 832, 298-302. | 0.3 | 1         |
| 105 | Optimization of Transmission Lost for Energy Saving Glass with Different Sheet Resistance Values. Advanced Materials Research, 0, 832, 233-236.   | 0.3 | 1         |
| 106 | Performance of P3HT:PCBM Organic Solar Cell with ZnO Buffer Layer. Advanced Materials Research, 0, 925, 580-584.  | 0.3 | 1         |
| 107 | Influences of Preheating Temperature on the Structural and Optical Properties of ZnO Thin Films by So-Gel Spin Coating Technique. Advanced Materials Research, 0, 925, 401-405.                   | 0.3 | 1         |
| 108 | Effect of Substrate Bias in Copper Sputtering Plasma Measured by Langmuir Probe. Advanced Materials Research, 0, 925, 238-242.  | 0.3 | 1         |



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|-----|---|-----|-----------|
| 109 | Effects of Ageing Time of ZnO Sol on Properties of ZnO Films by Sol Gel Spin Coating. Advanced Materials Research, 0, 925, 329-333.   | 0.3 | 1         |
| 110 | Numerical Simulation of Water Flow Velocity for Microfluidic Application Using COMSOL Multiphysics. Advanced Materials Research, 0, 925, 651-655.   | 0.3 | 1         |
| 111 | Characterization of acrylate-based ChemFET sensor for nitrate sensing and monitoring. , 2014, , .   |     | 1         |
| 112 | Influence of Oxygen Flow Rate on the Characteristics of the Tungsten Oxide Using RF Magnetron Sputtering. Applied Mechanics and Materials, 2015, 773-774, 657-661.  | 0.2 | 1         |
| 113 | Effect of Nitrogen-to-Total Gas Flow Ratio on the Nanocomposite TiAlBN Coating. Applied Mechanics and Materials, 0, 761, 431-435.   | 0.2 | 1         |
| 114 | Influence of Polyaniline Coated Kenaf Fiber on Kenaf Paper Sheet. MATEC Web of Conferences, 2015, 27, 01002.  | 0.1 | 1         |
| 115 | EFFECT ON IMMUNE RESPONSE AND VIRUS SHEDDING IN THE CHICKEN VACCINATED AGAINST INACTIVATED LOCAL STRAIN OF NEWCASTLE DISEASE VIRUS GENOTYPE VII. Jurnal Teknologi (Sciences and Engineering), 2015, 77, . | 0.3 | 1         |
| 116 | Influence of Oxygen Flow Rate on Sputter Deposition Rate and SEM Image of Copper Oxide Thin Films. Applied Mechanics and Materials, 2015, 773-774, 711-715.   | 0.2 | 1         |
| 117 | Initial User Requirement Analysis for Waterbodies Data Visualization. Lecture Notes in Computer Science, 2015, , 89-98.   | 1.0 | 1         |
| 118 | Influence of Different Solvents on the Formation of Uniform Titanium Dioxide (TiO <sub>2</sub> ) Thin Film by Sol-Gel. Applied Mechanics and Materials, 2015, 773-774, 667-671.                           | 0.2 | 1         |
| 119 | Metamorphosis of the ZnO buffer layer thicknesses on the performance of inverted organic solar cells. Journal of Materials Science: Materials in Electronics, 2016, 27, 12891-12902.                      | 1.1 | 1         |
| 120 | A simple temperature evaluation in high-pressure magnetron sputtering plasma using optical emission spectroscopy (OES) technique. AIP Conference Proceedings, 2017, , .                                   | 0.3 | 1         |
| 121 | Electrical and optical characteristics of atmospheric pressure plasma needle jet driven by neon transformer. AIP Conference Proceedings, 2017, , .  | 0.3 | 1         |
| 122 | Influence of Substrate Rotational Speed on the Structural and Optical Properties of Sputtered Gd-Doped ZnO Thin Films. Materials Science Forum, 0, 1023, 3-8.   | 0.3 | 1         |
| 123 | Methodology for the Development of Interface Design Guidelines Based on Local Cultural Dimensions. Communications in Computer and Information Science, 2015, , 245-248.                                   | 0.4 | 1         |
| 124 | INFLUENCES OF DEPOSITION TIME ON TiO <sub>2</sub> THIN FILMS PROPERTIES PREPARED BY CVD TECHNIQUE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .   | 0.3 | 1         |
| 125 | Gate Control Coefficient Effect on CNFET Characteristic. , 2009, , .  |     | 0         |
| 126 | Effect of polyethylene glycol on structural and electrical properties of TiO <sub>2</sub> thin film derived from SOL-GEL technique. , 2010, , .   |     | 0         |



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|-----|---|-----|-----------|
| 127 | Growth of TiO <sub>2</sub> Thin Film on Various Substrates using RF Magnetron Sputtering. , 2011, , .   |     | 0         |
| 128 | Influence of the Condition of Heat Treatment to the Properties of TiO <sub>2</sub> Thin Film Prepared using Spin Coating Technique. , 2011, , .                                   |     | 0         |
| 129 | Influence of the oxygen flow rate on the plasma parameters in reactive magnetron sputtering plasma using Zn target. , 2012, , .   |     | 0         |
| 130 | Development and application of in-house high voltage power supply for atmospheric pressure plasma treatment system. , 2012, , .   |     | 0         |
| 131 | Deposition of Titanium dioxide (TiO <sub>2</sub> ) thin films using in-house Nano-TiO <sub>2</sub> Powder. , 2012, , .  |     | 0         |
| 132 | Synthesis and characterization of GeO <sub>2</sub> microclusters via electrochemical deposition technique. , 2012, , .  |     | 0         |
| 133 | Electron and Ion Densities Measurement in Reactive Magnetron Zinc Sputtering Plasma. Advanced Materials Research, 0, 832, 344-349.  | 0.3 | 0         |
| 134 | Physical properties of tin oxide thin films deposited using magnetron sputtering technique. , 2013, , .   |     | 0         |
| 135 | Structural characterization of zinc oxide thin films deposited at various O <sub>2</sub> /Ar flow ratio in magnetron sputtering plasma. , 2013, , .                               |     | 0         |
| 136 | Influence of Dissipation Power in Copper Sputtering Plasma Measured by Optical Emission Spectroscopy. Advanced Materials Research, 2013, 832, 243-247.                            | 0.3 | 0         |
| 137 | Investigation of Stress and Electrical Properties of Air-Annealed and Oxygen-Annealed Aluminium-Doped Zinc Oxide Nanorod Arrays. Advanced Materials Research, 2013, 832, 303-309. | 0.3 | 0         |
| 138 | Hexagon Platinum Schottky Contact with ZnO Thin Film for Hydrogen Sensing. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .   | 0.3 | 0         |
| 139 | Surface Morphology and Electrical Properties of Al:ZnO Films Deposited by Spin Coating Process. Advanced Materials Research, 0, 925, 416-419.                                     | 0.3 | 0         |
| 140 | PVDF sensor design and FPGA implementation of ultrasound power measurement. , 2014, , .   |     | 0         |
| 141 | Numerical estimation of self-sputtering effect in ionized physical vapor deposition system. , 2014, , .   |     | 0         |
| 142 | Performance of inverted organic solar cell using different metal electrodes. , 2014, , .  |     | 0         |
| 143 | Correlation between the microstructure of copper oxide thin film and its gas sensing response. , 2014, , .  |     | 0         |
| 144 | Preparation and Characterization of Cassava Leaves/ Cassava Starch Acetate Biocomposite Sheets. BioResources, 2015, 10, .   | 0.5 | 0         |

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|-----|--|-----|-----------|
| 145 | 2D and 3D Analyses of Metal Oxide Thin Films Examined by Atomic Force Microscope. Applied Mechanics and Materials, 2015, 773-774, 716-719.   | 0.2 | 0         |
| 146 | Derivation of $Gd_{x}Zn_{1-x}O$ Film: The Effects of Gd Concentration on the Structural, Morphological and Optical Properties. Applied Mechanics and Materials, 0, 773-774, 686-690.         | 0.2 | 0         |
| 147 | Fabrication of Intrinsic Zinc Oxide-Coated, Aluminium-Doped Zinc Oxide Nanorod Array-Based Ultraviolet Photoconductive Sensors. Applied Mechanics and Materials, 0, 773-774, 696-700.        | 0.2 | 0         |
| 148 | Direct Growth of Copper(II) Oxide (CuO) Nanostructures Films via One-Step Chemical Bath Deposition by pH Variation. Applied Mechanics and Materials, 2015, 773-774, 637-641.                 | 0.2 | 0         |
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