

Uda Hashim

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

380
papers

4,636
citations

36
h-index

53
g-index

513
ext. papers

5,503
ext. citations

2.8
avg, IF

5.8
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 380 | Production and characterization of graphene from carbonaceous rice straw by cost-effect extraction. <i>3 Biotech</i> , 2021 , 11, 205 | 2.8 | 3 |
| 379 | Silica and graphene mediate arsenic detection in mature rice grain by a newly patterned current-volt aptasensor. <i>Scientific Reports</i> , 2021 , 11, 14688 | 4.9 | 2 |
| 378 | Production and characterization of silica nanoparticles from fly ash: conversion of agro-waste into resource. <i>Preparative Biochemistry and Biotechnology</i> , 2021 , 51, 86-95 | 2.4 | 10 |
| 377 | Feasibility study on microwave welding of thermoplastic using multiwalled carbon nanotubes as susceptor. <i>Nanomaterials and Nanotechnology</i> , 2021 , 11, 184798042110029 | 2.9 | 3 |
| 376 | Distinguishing normal and aggregated alpha-synuclein interaction on gold nanorod incorporated zinc oxide nanocomposite by electrochemical technique. <i>International Journal of Biological Macromolecules</i> , 2021 , 171, 217-224 | 7.9 | 5 |
| 375 | MicroRNA of N-region from SARS-CoV-2: Potential sensing components for biosensor development. <i>Biotechnology and Applied Biochemistry</i> , 2021 , | 2.8 | 2 |
| 374 | Novel Approaches in Fabrication and Integration of Nanowire for Micro/Nano Systems. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-17 | 5.2 | |
| 373 | Capillary Driven Multi Channels Microfluidic. <i>Journal of Physics: Conference Series</i> , 2021 , 2129, 012058 | 0.3 | |
| 372 | Potentials of MicroRNA in Early Detection of Ovarian Cancer by Analytical Electrical Biosensors. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-13 | 5.2 | 2 |
| 371 | Development of Highly Sensitive Interdigitated Electrode (IDEs) Biosensor to Determine Glucose Level using Saliva as Sample. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 864, 012206 ^{0.4} | | |
| 370 | Titanium dioxide-mediated resistive nanobiosensor for E. coli O157:H7. <i>Mikrochimica Acta</i> , 2020 , 187, 235 | 5.8 | 8 |
| 369 | Design and fabrication of PDMS microfluidics device for rapid and label-free DNA detection. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1 | 2.6 | 2 |
| 368 | Review Three Dimensional Zinc Oxide Nanostructures as an Active Site Platform for Biosensor: Recent Trend in Healthcare Diagnosis. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 137501 | 3.9 | 7 |
| 367 | Fabrication and characterizations of Al nanoparticles doped ZnO nanostructures-based integrated electrochemical biosensor. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 857-867 | 5.5 | 28 |
| 366 | Characterization of Genome Sequence 2019 Novel Coronavirus (2019-nCoV) by using Bioinformatic Tool. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 864, 012168 | 0.4 | 2 |
| 365 | Label-free aptamer based biosensor for heavy metal detection 2020 , | | 2 |
| 364 | Gold Nanoparticles Enhanced Electrochemical Impedance Sensor (EIS) for Human Papillomavirus (HPV) 16 Detection E6 region. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 864, 012165 ^{0.4} | | |

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| 363 | Gold-Nanohybrid Biosensors for Analyzing Blood Circulating Clinical Biomacromolecules: Current Trend toward Future Remote Digital Monitoring. <i>Critical Reviews in Analytical Chemistry</i> , 2020 , 1-16 | 5.2 | 4 |
| 362 | Voltammetric determination of human papillomavirus 16 DNA by using interdigitated electrodes modified with titanium dioxide nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 336 | 5.8 | 18 |
| 361 | Fabrication of gold nanorod/zinc oxide nanocomposite on gap-fingered integrated interdigitated aluminum electrodes and their response to electrolytes. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1 | 2.6 | 12 |
| 360 | Spectral aging of gold and silver nanoparticles synthesized by laser ablation in liquids. <i>Journal of Nanophotonics</i> , 2019 , 13, 1 | 1.1 | 3 |
| 359 | Development of highly sensitive interdigitated electrodes (IDEs) with APTES/GOx based lab-on-chip biosensor to determine glucose level 2019 , | | 1 |
| 358 | Human Papillomavirus E6 biosensing: Current progression on early detection strategies for cervical Cancer. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 877-890 | 7.9 | 18 |
| 357 | Co-ordinated split aptamer assembly and disassembly on Gold nanoparticle for functional detection of HIV-1 tat. <i>Process Biochemistry</i> , 2019 , 79, 32-39 | 4.8 | 8 |
| 356 | Designing probe from E6 genome region of human Papillomavirus 16 for sensing applications. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1738-1746 | 7.9 | 8 |
| 355 | Influenza viral detection on microfluidic delivery assisted biosensors. <i>Microsystem Technologies</i> , 2018 , 24, 823-830 | 1.7 | 1 |
| 354 | Fabrication of Cu ₂ O Nanostructured Thin Film by Anodizing. <i>Materials Science-Poland</i> , 2018 , 36, 209-216 | 0.6 | 4 |
| 353 | Sensitive pH detection on gold interdigitated electrodes as an electrochemical sensor. <i>Microsystem Technologies</i> , 2018 , 24, 1965-1974 | 1.7 | 20 |
| 352 | Amino-propyltriethoxysilane Modified Heavy Metal Sensor Based on Silicon Nanowire Arrays. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012080 | 0.4 | 1 |
| 351 | Effect of Kenaf Fibre Layers on Mechanical and Thermal Properties of Kenaf/Unsaturated Polyester Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012091 | 0.4 | 1 |
| 350 | Design, Fabrication and Characterization of silicon Nanostructures for Lead (Pb ⁺) ion detection. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012181 | 0.4 | 1 |
| 349 | Functionalization of Si Nanowire Surfaces to Create Interactive Mechanism for Heavy Metals Detection Application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012180 | 0.4 | 1 |
| 348 | Effect of kenaf fibre Mat layers and Zinc Oxide Nanoparticle Concentration on the Mechanical and Thermal Properties of ZnONPs/kenaf/polyester Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012079 | 0.4 | 1 |
| 347 | Modelling Simulation of Organic and Inorganic Interaction Based on First Principle Calculation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012090 | 0.4 | |
| 346 | Arsenic ion Detection via Electron Chemical Reaction Mechanism Based on Interdigitated Electrode (IDE). <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012183 | 0.4 | |

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| 345 | Multichannel PDMS microfluidic based nano-biolab-on-a-chip for medical diagnostics 2018 , | | 3 |
| 344 | Development of portable electronic reader for picoampere detection for two-electrode based amperometric biosensor applications 2018 , | | 1 |
| 343 | Selective detection of E.coli O157:H7 bacteria DNA using electrical based aluminium interdigitated electrode biosensor 2018 , | | 6 |
| 342 | Mercaptopropyltriethoxysilane (MPTES) Concentration Effect on Selectivity and Electrical Response of Nanostructure. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 454, 012184 ^{0.4} | | |
| 341 | The impact of different channel doping concentrations on the performance of polycrystalline silicon nanowire field-effect transistor biosensor 2018 , | | 2 |
| 340 | Numerical simulation of different silicon nanowire field-effect transistor channel lengths for biosensing application 2018 , | | 2 |
| 339 | Investigation on Optimally Performing Sensor Substrates through Bio-fouling of Immunoglobulin-Conjugated Gold Nanoparticles. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2017 , 87, 807-814 | 1.4 | |
| 338 | An electrochemical DNA biosensor based gold-thiolate conjugation utilizing ruthenium complex [Ru(dppz)2(qtpy)]Cl ₂ . <i>Microsystem Technologies</i> , 2017 , 23, 1237-1245 | 1.7 | 5 |
| 337 | Development of an inductor incorporated onto a carbon fiber MAV structural component. <i>Microsystem Technologies</i> , 2017 , 23, 1433-1442 | 1.7 | 3 |
| 336 | Stable electrical, morphological and optical properties of titanium dioxide nanoparticles affected by annealing temperature. <i>Microsystem Technologies</i> , 2017 , 23, 1743-1750 | 1.7 | 3 |
| 335 | Structural, optical and electrical investigations of Cu ₂ Zn _{1-x} Cd _x SnS ₄ /Si quaternary alloy nanostructures synthesized by spin coating technique. <i>Microsystem Technologies</i> , 2017 , 23, 2223-2232 | 1.7 | 17 |
| 334 | Review of the synthesis, transfer, characterization and growth mechanisms of single and multilayer graphene. <i>RSC Advances</i> , 2017 , 7, 15644-15693 | 3.7 | 193 |
| 333 | Immunosensor development for rice tungro bacilliform virus (RTBV) detection using antibody nano-gold conjugate 2017 , | | 3 |
| 332 | A strategy for design and fabrication of low cost microchannel for future reproductivity of bio/chemical lab-on-chip application 2017 , | | 1 |
| 331 | Selectivity verification of cardiac troponin monoclonal antibodies for cardiac troponin detection by using conventional ELISA 2017 , | | 3 |
| 330 | Evaluation of factor IX deficiency by interdigitated electrode (IDE) 2017 , | | 2 |
| 329 | Design, fabrication and characterization of 1.0 μ m Gap Al based interdigitated electrode for biosensors. <i>Microsystem Technologies</i> , 2017 , 23, 4501-4507 | 1.7 | 20 |
| 328 | Fabrication of interdigitated electrodes (IDEs) using basic conventional lithography for pH measurement 2017 , | | 1 |

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| 327 | Immunosensor development formatting for tungro disease detection using nano-gold antibody particles application 2017 , | | 5 |
| 326 | Detection of human immunodeficiency virus type 1 (HIV-1) Tat protein by aptamer-based biosensors 2017 , | | 1 |
| 325 | Preliminary assessment for DNA extraction on microfluidic channel 2017 , | | 1 |
| 324 | Ultra-low current biosensor output detection using portable electronic reader 2017 , | | 4 |
| 323 | Preparation of DNA biosensor application from fuel oil waste by functionalization and characterization of MWCNT. <i>Sensing and Bio-Sensing Research</i> , 2017 , 16, 1-5 | 3-3 | 3 |
| 322 | Electrical DNA biosensor using aluminium interdigitated electrode for E.Coli O157:H7 detection 2017 , | | 10 |
| 321 | DNA extraction on bio-chip: history and preeminence over conventional and solid-phase extraction methods. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 8077-8088 | 5-7 | 13 |
| 320 | Calculation of the band structure parameter in silicon nanowires using first principle analytical method 2017 , | | 4 |
| 319 | Characterization of zinc oxide thin film for pH detector 2017 , | | 2 |
| 318 | Aptamer-based determination of ATP by using a functionalized impedimetric nanosensor and mediation by a triangular junction transducer. <i>Mikrochimica Acta</i> , 2017 , 184, 4425-4431 | 5-8 | 7 |
| 317 | Multi-analyte validation in heterogeneous solution by ELISA. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 796-800 | 7-9 | 4 |
| 316 | Target ssDNA detection of E.coli O157:H7 through electrical based DNA biosensor. <i>Microsystem Technologies</i> , 2017 , 23, 5771-5780 | 1-7 | 17 |
| 315 | Lattices parameter dependent on effective atomic interactive coefficient in nanostructure 2017 , | | 2 |
| 314 | Formation of ultra Si/Ti nano thin film for enhancing silicon solar cell efficiency. <i>Journal of Physics: Conference Series</i> , 2017 , 908, 012040 | 0-3 | |
| 313 | Specific and selective target detection of supra-genome 21 Mers Salmonella via silicon nanowires biosensor 2017 , | | 2 |
| 312 | Synthesis of zinc oxide thin films prepared by sol-gel for specific bioactivity 2017 , | | 2 |
| 311 | Voltammetric immunoassay for the human blood clotting factor IX by using nanogapped dielectrode junctions modified with gold nanoparticle-conjugated antibody. <i>Mikrochimica Acta</i> , 2017 , 184, 3739-3745 | 5-8 | 9 |
| 310 | A direct detection of human papillomavirus 16 genomic DNA using gold nanoprobe. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 571-575 | 7-9 | 23 |

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|-----|--|------|----|
| 309 | Aptamer-based impedimetric determination of the human blood clotting factor IX in serum using an interdigitated electrode modified with a ZnO nanolayer. <i>Mikrochimica Acta</i> , 2017 , 184, 117-125 | 5.8 | 27 |
| 308 | Reduced graphene oxide/multiwalled carbon nanotubes composites as sensing membrane electrodes for DNA detection. <i>Microsystem Technologies</i> , 2017 , 23, 3421-3428 | 1.7 | 10 |
| 307 | Shortening full-length aptamer by crawling base deletion [Assisted by Mfold web server application] Peer review under responsibility of University of Bahrain. View all notes. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2017 , 23, 37-42 | | 6 |
| 306 | Substrate-gate coupling in ZnO-FET biosensor for cardiac troponin I detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 242, 1142-1154 | 8.5 | 46 |
| 305 | Highly sensitive Escherichia coli shear horizontal surface acoustic wave biosensor with silicon dioxide nanostructures. <i>Biosensors and Bioelectronics</i> , 2017 , 93, 146-154 | 11.8 | 37 |
| 304 | A study of nano-biosensors and their output amplitude analysis algorithms. <i>Journal of Medical Engineering and Technology</i> , 2017 , 41, 72-80 | 1.8 | 0 |
| 303 | Gold Nanoparticle-Mediated High-Performance Enzyme-Linked Immunosorbent Assay for Detection of Tuberculosis ESAT-6 Protein. <i>Micro and Nanosystems</i> , 2017 , 8, 92-98 | 0.6 | 26 |
| 302 | Surface morphological and electrical characterization of silicon nanowires (SiNWs) by conventional photolithography method 2017 , | | 1 |
| 301 | In-House fabrication and Electrical characterization of planner si-nanogap. <i>Journal of Physics: Conference Series</i> , 2017 , 908, 012064 | 0.3 | |
| 300 | Gold nano-particle based Al interdigitated electrode electrical biosensor for specific ssDNA target detection 2017 , | | 2 |
| 299 | Mediatorless Impedance Studies with Titanium Dioxide Conjugated Gold Nanoparticles for Hydrogen Peroxide Detection. <i>Biosensors</i> , 2017 , 7, | 5.9 | 13 |
| 298 | Biotechnological Processes in Microbial Amylase Production. <i>BioMed Research International</i> , 2017 , 2017, 1272193 | 3 | 80 |
| 297 | Green Synthesis of Zinc Oxide Nanostructured Thin Film by Anodizing Process Using Distilled Water as Electrolyte. <i>Nanoscience and Nanotechnology - Asia</i> , 2017 , 7, | 0.7 | 1 |
| 296 | Au decorated ZnO thin film: application to DNA sensing. <i>Microsystem Technologies</i> , 2016 , 22, 903-910 | 1.7 | 10 |
| 295 | Effect of annealing temperatures on the morphology, optical and electrical properties of TiO2 thin films synthesized by the sol-gel method and deposited on Al/TiO2/SiO2/p-Si. <i>Microsystem Technologies</i> , 2016 , 22, 871-881 | 1.7 | 16 |
| 294 | Novel synthesis of silicon carbide nanotubes by microwave heating of blended silicon dioxide and multi-walled carbon nanotubes: The effect of the heating temperature. <i>Ceramics International</i> , 2016 , 42, 17642-17649 | 5.1 | 17 |
| 293 | Enhanced sensing of dengue virus DNA detection using O plasma treated-silicon nanowire based electrical biosensor. <i>Analytica Chimica Acta</i> , 2016 , 942, 74-85 | 6.6 | 26 |
| 292 | Nanogapped impedimetric immunosensor for the detection of 16 kDa heat shock protein against Mycobacterium tuberculosis. <i>Mikrochimica Acta</i> , 2016 , 183, 2697-2703 | 5.8 | 33 |

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|-----|--|------|----|
| 291 | Microfluidic-based biosensor: signal enhancement by gold nanoparticle. <i>Microsystem Technologies</i> , 2016 , 22, 2389-2395 | 1.7 | 8 |
| 290 | Progression in sensing cardiac troponin biomarker charge transductions on semiconducting nanomaterials. <i>Analytica Chimica Acta</i> , 2016 , 935, 30-43 | 6.6 | 24 |
| 289 | Cell-targeting aptamers act as intracellular delivery vehicles. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 6955-69 | 5.7 | 16 |
| 288 | Detection of specific single-stranded DNA molecules through SiNW surface modulation. <i>Microsystem Technologies</i> , 2016 , 22, 269-273 | 1.7 | 11 |
| 287 | Design and fabrication of micro-mixer with short turns angles for self-generated turbulent structures. <i>Microsystem Technologies</i> , 2016 , 22, 433-440 | 1.7 | 11 |
| 286 | Characterization of Gold-Sputtered Zinc Oxide Nanorods-a Potential Hybrid Material. <i>Nanoscale Research Letters</i> , 2016 , 11, 31 | 5 | 27 |
| 285 | HIV-1 Tat biosensor: Current development and trends for early detection strategies. <i>Biosensors and Bioelectronics</i> , 2016 , 78, 358-366 | 11.8 | 14 |
| 284 | Aptamer-based Point-of-care testing <i>Biotechnology Advances</i> , 2016 , 34, 198-208 | 17.8 | 71 |
| 283 | Surface modifications to boost sensitivities of electrochemical biosensors using gold nanoparticles/silicon nanowires and response surface methodology approach. <i>Journal of Materials Science</i> , 2016 , 51, 1083-1097 | 4.3 | 19 |
| 282 | A new nano-worm structure from gold-nanoparticle mediated random curving of zinc oxide nanorods. <i>Biosensors and Bioelectronics</i> , 2016 , 78, 14-22 | 11.8 | 32 |
| 281 | Polysilicon nanogap lab-on-chip facilitates multiplex analyses with single analyte. <i>Biosensors and Bioelectronics</i> , 2016 , 84, 44-52 | 11.8 | 20 |
| 280 | Top-Down Nanofabrication and Characterization of 20 nm Silicon Nanowires for Biosensing Applications. <i>PLoS ONE</i> , 2016 , 11, e0152318 | 3.7 | 23 |
| 279 | Detection of Human Papillomavirus 16-Specific IgG and IgM Antibodies in Patient Sera: A Potential Indicator of Oral Squamous Cell Carcinoma Risk Factor. <i>International Journal of Medical Sciences</i> , 2016 , 13, 424-31 | 3.7 | 4 |
| 278 | Study of surface functionalization on IDE by using 3-aminopropyl triethoxysilane (APTES) for cervical cancer detection 2016 , | | 1 |
| 277 | Nitric acid treated multi-walled carbon nanotubes optimized by Taguchi method 2016 , | | 14 |
| 276 | Design Architecture of field-effect transistor with back gate electrode for biosensor application 2016 , | | 2 |
| 275 | Zinc oxide interdigitated electrode for biosensor application 2016 , | | 1 |
| 274 | Gold nanoparticles embedded silicon channel biosensor for improved sensitivity 2016 , | | 2 |

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|-----|--|------|----|
| 273 | Surface morphology of titanium dioxide (TiO ₂) nanoparticles on aluminum interdigitated device electrodes (IDEs) 2016, | | 2 |
| 272 | Gate dielectric scaling in MOSFETs device 2016, | | 1 |
| 271 | Interdigitated electrode (IDE) for porcine detection based on titanium dioxide (TiO ₂) thin films 2016, | | 1 |
| 270 | Fabrication and characterization on reduced graphene oxide field effect transistor (RGOFET) based biosensor 2016, | | 1 |
| 269 | Fabrication of interdigitated high-performance zinc oxide nanowire modified electrodes for glucose sensing. <i>Analytica Chimica Acta</i> , 2016 , 925, 70-81 | 6.6 | 21 |
| 268 | The latest trend in nano-bio sensor signal analysis. <i>Sensor Review</i> , 2016 , 36, 303-311 | 1.4 | 2 |
| 267 | Electrical detection of dengue virus (DENV) DNA oligomer using silicon nanowire biosensor with novel molecular gate control. <i>Biosensors and Bioelectronics</i> , 2016 , 83, 106-14 | 11.8 | 81 |
| 266 | FEM modeling and simulation of a layered SAW device based on ZnO/128°YX LiNbO ₃ 2016, | | 5 |
| 265 | Gold nanoparticle mediated method for spatially resolved deposition of DNA on nano-gapped interdigitated electrodes, and its application to the detection of the human Papillomavirus. <i>Mikrochimica Acta</i> , 2016 , 183, 3119-3126 | 5.8 | 24 |
| 264 | Design and fabrication of Interdigitated Electrode (IDE) for detection of Ganoderma boninense 2016, | | 2 |
| 263 | The effect of substrate-gate bias on the zinc oxide field-effect transistor for biosensing application 2016, | | 3 |
| 262 | Electrical characterization of surface modified IDE with Gold Nano particles 2016, | | 1 |
| 261 | Colorimetric assay of HIV-1 Tat protein and peptide 2016, | | 1 |
| 260 | Interdigitated Electrodes integrated with zinc oxide nanoparticles for Cardiac Troponin I biomarker detection 2016, | | 5 |
| 259 | Integration of IDE with ZnO nanoparticles for detection of synthetic formaldehyde liquid 2016, | | 1 |
| 258 | Surface morphology of reduced graphene oxide-carbon nanotubes hybrid film for bio-sensing applications 2016, | | 1 |
| 257 | Ab initio method of optical investigations of CdS 1k Te x alloys under quantum dots diameter effect. <i>Solar Energy</i> , 2015 , 115, 33-39 | 6.8 | 40 |
| 256 | An In-House Approach for Fabrication of Poly-Silicon Nanobiosensor Using Conventional Photolithography and Etching Method. <i>Advanced Materials Research</i> , 2015 , 1109, 210-213 | 0.5 | 1 |

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| 255 | Studying Effect Dimensions of Design and Simulation Silicon Nanowire Filed Effect Biosensor. <i>Applied Mechanics and Materials</i> , 2015 , 754-755, 854-858 | 0.3 | 9 |
| 254 | Structural and Electrical Properties of Hydrothermal Growth ZnO Nanorods. <i>Advanced Materials Research</i> , 2015 , 1109, 104-107 | 0.5 | |
| 253 | Fabrication and Characterization of ZnO Thin Films by Sol-Gel Spin Coating Method for pH Measurement. <i>Advanced Materials Research</i> , 2015 , 1109, 99-103 | 0.5 | 2 |
| 252 | A portable automatic endpoint detection system for amplicons of loop mediated isothermal amplification on microfluidic compact disk platform. <i>Sensors</i> , 2015 , 15, 5376-89 | 3.8 | 23 |
| 251 | Silicon nanowire formed via shallow anisotropic etching Si-ash-trimming for specific DNA and electrochemical detection. <i>Chinese Physics B</i> , 2015 , 24, 068102 | 1.2 | 2 |
| 250 | Effect of Temperature of Distilled Water on the Morphology of Nanoporous Zinc Oxide Synthesized by Anodizing. <i>Applied Mechanics and Materials</i> , 2015 , 754-755, 1131-1135 | 0.3 | 2 |
| 249 | Preparation and Characterization of SiO ₂ -Coated TiO ₂ Thin Films via Sol-Gel Dip Coating Technique. <i>Advanced Materials Research</i> , 2015 , 1109, 148-152 | 0.5 | |
| 248 | Evolutions of bonding wires used in semiconductor electronics: perspective over 25 years. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 4412-4424 | 2.1 | 22 |
| 247 | Fully Depletion of Advanced Silicon on Insulator MOSFETs. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2015 , 40, 182-196 | 10.1 | 6 |
| 246 | Diagnostics on acute myocardial infarction: Cardiac troponin biomarkers. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 209-20 | 11.8 | 126 |
| 245 | Preparation and characterization of titanium dioxide thin film for field-effect transistor biosensor application 2015 , | | 1 |
| 244 | The Effect of Chemical Solutions (Isopropyl Alcohol, Dichloromethane, Acetone and Triton X-100) on the Dispersion of Single-Walled Carbon Nanotubes. <i>Advanced Materials Research</i> , 2015 , 1109, 113-117 | 0.5 | 4 |
| 243 | Fast Fourier Transform Analysis of Images of Scanning Electron Microscope of Porous Anodic Alumina. <i>Advanced Materials Research</i> , 2015 , 1109, 69-72 | 0.5 | |
| 242 | Optical investigations of photonics lithium niobate. <i>Solar Energy</i> , 2015 , 120, 381-388 | 6.8 | 36 |
| 241 | Investigated Effect of Points Charge of the Receptors on the Conduction of Semiconductor Nanowire. <i>Advanced Materials Research</i> , 2015 , 1109, 167-170 | 0.5 | |
| 240 | Optical investigation of nanophotonic lithium niobate-based optical waveguide. <i>Applied Physics B: Lasers and Optics</i> , 2015 , 121, 107-116 | 1.9 | 33 |
| 239 | Morphological, Structural and UV Sensing Properties of Fe-Doped ZnO Nanorods. <i>Advanced Materials Research</i> , 2015 , 1109, 200-204 | 0.5 | 3 |
| 238 | Silicon Nanowire Surface Preparation Using Chitosan. <i>Advanced Materials Research</i> , 2015 , 1109, 350-354 | 0.5 | 1 |

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|-----|---|------|-----|
| 237 | NanoBio interface: the characterization of functional bio interface on silicon nanowire. <i>Microsystem Technologies</i> , 2015 , 21, 1643-1649 | 1.7 | 0 |
| 236 | Highly sensitive silicon nanowire biosensor with novel liquid gate control for detection of specific single-stranded DNA molecules. <i>Biosensors and Bioelectronics</i> , 2015 , 67, 656-61 | 11.8 | 52 |
| 235 | Functionalized fullerene (C ₆₀) as a potential nanomediator in the fabrication of highly sensitive biosensors. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 354-364 | 11.8 | 129 |
| 234 | Piezoelectric thin films for double electrode CMOS MEMS surface acoustic wave (SAW) resonator. <i>Microsystem Technologies</i> , 2015 , 21, 1931-1940 | 1.7 | 4 |
| 233 | Effect of electric potential into conductance silicon nanowire distribution. <i>Microsystem Technologies</i> , 2015 , 21, 693-697 | 1.7 | 1 |
| 232 | Investigating the Cherenkov light lateral distribution function for primary proton and iron nuclei in extensive air showers. <i>Physics of Particles and Nuclei Letters</i> , 2015 , 12, 751-756 | 0.5 | 2 |
| 231 | New Proposal of Dual Power Supply Source for Rural Stand Alone Solar Photovoltaic Home Electrification System in Malaysia. <i>Applied Mechanics and Materials</i> , 2015 , 793, 343-347 | 0.3 | |
| 230 | The Field Effect of Concentration DNA on Conductance of Silicon Nanowire. <i>Advanced Materials Research</i> , 2015 , 1109, 163-166 | 0.5 | |
| 229 | Spotted Nanoflowers@Gold-seeded Zinc Oxide Nanohybrid for Selective Bio-capture. <i>Scientific Reports</i> , 2015 , 5, 12231 | 4.9 | 68 |
| 228 | Design and simulation study of high frequency response for surface acoustic wave device by using CST software 2015 , | | 1 |
| 227 | Structural, Morphological and Optical Properties of Sol-Gel Derived ZnO Thin Film for UV Sensing Application. <i>Advanced Materials Research</i> , 2015 , 1109, 304-308 | 0.5 | 2 |
| 226 | Design and Fabrication of Geometrically Enhanced Micromixer for Homogenous Mixing. <i>Advanced Materials Research</i> , 2015 , 1109, 345-349 | 0.5 | |
| 225 | Oxide Dissolution Treatment of Porous Anodic Alumina. <i>Advanced Materials Research</i> , 2015 , 1109, 73-77 | 0.5 | |
| 224 | Fabrication of PDMS Microfluidic via Room Temperature Rapid Prototyping Process. <i>Advanced Materials Research</i> , 2015 , 1109, 340-344 | 0.5 | 1 |
| 223 | Characterization of Difference Size of IDE Pattern for Formaldehyde Detection Sensor. <i>Applied Mechanics and Materials</i> , 2015 , 754-755, 917-922 | 0.3 | 2 |
| 222 | Synthesis of Fe ₃ O ₄ Nanoparticles to Synthesize Bundles of Single-Walled Carbon Nanotubes. <i>Advanced Materials Research</i> , 2015 , 1109, 108-112 | 0.5 | 0 |
| 221 | The Electrical Signals Measurement for Silicon Nanowires pH Sensor. <i>Advanced Materials Research</i> , 2015 , 1109, 219-222 | 0.5 | |
| 220 | Fabrication of Micro-Gap Structure by Reactive Ion Etching Technique (RIE) for Future Reproductivity of Nanogap Biosensor. <i>Advanced Materials Research</i> , 2015 , 1109, 64-68 | 0.5 | |

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|-----|---|-----|----|
| 219 | Synthesis of Porous Anodic Alumina on Aluminium Manganese Alloys. <i>Advanced Materials Research</i> , 2015 , 1109, 78-82 | 0.5 | |
| 218 | Low Temperature Annealed Zinc Oxide Nanostructured Thin Film-Based Transducers: Characterization for Sensing Applications. <i>PLoS ONE</i> , 2015 , 10, e0132755 | 3.7 | 50 |
| 217 | Titanium Dioxide Nanoparticle-Based Interdigitated Electrodes: A Novel Current to Voltage DNA Biosensor Recognizes E. coli O157:H7. <i>PLoS ONE</i> , 2015 , 10, e0139766 | 3.7 | 42 |
| 216 | Thickness Dependent Nanostructural, Morphological, Optical and Impedometric Analyses of Zinc Oxide-Gold Hybrids: Nanoparticle to Thin Film. <i>PLoS ONE</i> , 2015 , 10, e0144964 | 3.7 | 25 |
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