

Uda Hashim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/56738/publications.pdf>

Version: 2024-02-01

512
papers

6,339
citations

71102

41
h-index

118850

62
g-index

513
all docs

513
docs citations

513
times ranked

6514
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the synthesis, transfer, characterization and growth mechanisms of single and multilayer graphene. RSC Advances, 2017, 7, 15644-15693.	3.6	263
2	Diagnostics on acute myocardial infarction: Cardiac troponin biomarkers. Biosensors and Bioelectronics, 2015, 70, 209-220.	10.1	175
3	Sol-gel synthesized zinc oxide nanorods and their structural and optical investigation for optoelectronic application. Nanoscale Research Letters, 2014, 9, 429.	5.7	173
4	Functionalized fullerene (C 60) as a potential nanomediator in the fabrication of highly sensitive biosensors. Biosensors and Bioelectronics, 2015, 63, 354-364.	10.1	163
5	Biotechnological Processes in Microbial Amylase Production. BioMed Research International, 2017, 2017, 1-9.	1.9	113
6	Electrical detection of dengue virus (DENV) DNA oligomer using silicon nanowire biosensor with novel molecular gate control. Biosensors and Bioelectronics, 2016, 83, 106-114.	10.1	108
7	“Spotted Nanoflowers”: Gold-seeded Zinc Oxide Nanohybrid for Selective Bio-capture. Scientific Reports, 2015, 5, 12231.	3.3	92
8	Analysis of pork adulteration in commercial meatballs targeting porcine-specific mitochondrial cytochrome b gene by TaqMan probe real-time polymerase chain reaction. Meat Science, 2012, 91, 454-459.	5.5	91
9	Aptamer-based “point-of-care testing”. Biotechnology Advances, 2016, 34, 198-208.	11.7	89
10	Species Authentication Methods in Foods and Feeds: the Present, Past, and Future of Halal Forensics. Food Analytical Methods, 2012, 5, 935-955.	2.6	84
11	A novel method for the synthesis of calcium carbonate (aragonite) nanoparticles from cockle shells. Powder Technology, 2013, 235, 70-75.	4.2	84
12	An estimation of the energy and exergy efficiencies for the energy resources consumption in the transportation sector in Malaysia. Energy Policy, 2007, 35, 4018-4026.	8.8	83
13	Effect of different solvents on the structural and optical properties of zinc oxide thin films for optoelectronic applications. Ceramics International, 2014, 40, 753-761.	4.8	77
14	Structural and optical insights to enhance solar cell performance of CdS nanostructures. Energy Conversion and Management, 2014, 82, 238-243.	9.2	71
15	Biotechnological Aspects and Perspective of Microbial Keratinase Production. BioMed Research International, 2015, 2015, 1-10.	1.9	70
16	Polymerase chain reaction assay targeting cytochrome b gene for the detection of dog meat adulteration in meatball formulation. Meat Science, 2014, 97, 404-409.	5.5	69
17	Highly sensitive silicon nanowire biosensor with novel liquid gate control for detection of specific single-stranded DNA molecules. Biosensors and Bioelectronics, 2015, 67, 656-661.	10.1	69
18	Nanoparticle sensor for label free detection of swine DNA in mixed biological samples. Nanotechnology, 2011, 22, 195503.	2.6	66

#	ARTICLE	IF	CITATIONS
19	Development of highly sensitive polysilicon nanogap with APTES/GOx based lab-on-chip biosensor to determine low levels of salivary glucose. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 101-111.	4.1	66
20	A Potentiometric Indirect Uric Acid Sensor Based on ZnO Nanoflakes and Immobilized Uricase. <i>Sensors</i> , 2012, 12, 2787-2797.	3.8	64
21	An ab initio study of the electronic structure and optical properties of CdS $\dot{\text{a}}$ Te alloys. <i>Solar Energy</i> , 2010, 84, 1979-1984.	6.1	63
22	Substrate-gate coupling in ZnO-FET biosensor for cardiac troponin I detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 1142-1154.	7.8	63
23	Swine-Specific PCR-RFLP Assay Targeting Mitochondrial Cytochrome B Gene for Semiquantitative Detection of Pork in Commercial Meat Products. <i>Food Analytical Methods</i> , 2012, 5, 613-623.	2.6	61
24	Sol-gel synthesis of Pd doped ZnO nanorods for room temperature hydrogen sensing applications. <i>Ceramics International</i> , 2013, 39, 6461-6466.	4.8	60
25	Titanium Dioxide Nanoparticle-Based Interdigitated Electrodes: A Novel Current to Voltage DNA Biosensor Recognizes <i>E. coli</i> O157:H7. <i>PLoS ONE</i> , 2015, 10, e0139766.	2.5	60
26	Low Temperature Annealed Zinc Oxide Nanostructured Thin Film-Based Transducers: Characterization for Sensing Applications. <i>PLoS ONE</i> , 2015, 10, e0132755.	2.5	59
27	Gold Nanoparticle Sensor for the Visual Detection of Pork Adulteration in Meatball Formulation. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	2.7	58
28	Morphological, optical, and Raman characteristics of ZnO nanoflakes prepared via a sol-gel method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 143-147.	1.8	52
29	Optical investigation of nanophotonic lithium niobate-based optical waveguide. <i>Applied Physics B: Lasers and Optics</i> , 2015, 121, 107-116.	2.2	52
30	Ab initio method of optical investigations of CdS $\dot{\text{a}}$ Te alloys under quantum dots diameter effect. <i>Solar Energy</i> , 2015, 115, 33-39.	6.1	50
31	Effect of Different Seed Solutions on the Morphology and Electrooptical Properties of ZnO Nanorods. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	2.7	49
32	Highly sensitive Escherichia coli shear horizontal surface acoustic wave biosensor with silicon dioxide nanostructures. <i>Biosensors and Bioelectronics</i> , 2017, 93, 146-154.	10.1	49
33	Selective growth of ZnO nanorods on microgap electrodes and their applications in UV sensors. <i>Nanoscale Research Letters</i> , 2014, 9, 29.	5.7	48
34	A Point-of-Care Immunosensor for Human Chorionic Gonadotropin in Clinical Urine Samples Using a Cuneated Polysilicon Nanogap Lab-on-Chip. <i>PLoS ONE</i> , 2015, 10, e0137891.	2.5	48
35	Optical investigations of photonics lithium niobate. <i>Solar Energy</i> , 2015, 120, 381-388.	6.1	48
36	Structural and optical investigations of cadmium sulfide nanostructures for optoelectronic applications. <i>Solar Energy</i> , 2012, 86, 3234-3240.	6.1	47

#	ARTICLE	IF	CITATIONS
37	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.	5.8	46
38	Analysis of Pork Adulteration in Commercial Burgers Targeting Porcine-Specific Mitochondrial Cytochrome B Gene by TaqMan Probe Real-Time Polymerase Chain Reaction. <i>Food Analytical Methods</i> , 2012, 5, 784-794.	2.6	45
39	The utilization of SiNWs/AuNPs-modified indium tin oxide (ITO) in fabrication of electrochemical DNA sensor. <i>Materials Science and Engineering C</i> , 2014, 45, 270-276.	7.3	44
40	A Novel Disposable Biosensor Based on SiNWs/AuNPs Modified-Screen Printed Electrode for Dengue Virus DNA Oligomer Detection. <i>IEEE Sensors Journal</i> , 2015, 15, 4420-4427.	4.7	44
41	Embedded portable device for herb leaves recognition using image processing techniques and neural network algorithm. <i>Computers and Electronics in Agriculture</i> , 2012, 89, 18-29.	7.7	43
42	Nanogapped impedimetric immunosensor for the detection of 16 kDa heat shock protein against <i>Mycobacterium tuberculosis</i> . <i>Mikrochimica Acta</i> , 2016, 183, 2697-2703.	5.0	43
43	Nanobiosensor for Detection and Quantification of DNA Sequences in Degraded Mixed Meats. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-11.	2.7	42
44	Nanobiosensor for the detection and quantification of pork adulteration in meatball formulation. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 152-160.	2.4	42
45	Functionalised zinc oxide nanotube arrays as electrochemical sensors for the selective determination of glucose. <i>Micro and Nano Letters</i> , 2011, 6, 609.	1.3	40
46	A new nano-worm structure from gold-nanoparticle mediated random curving of zinc oxide nanorods. <i>Biosensors and Bioelectronics</i> , 2016, 78, 14-22.	10.1	39
47	Plant Diseases Detection Using Nanowire as Biosensor Transducer. <i>Advanced Materials Research</i> , 0, 832, 113-117.	0.3	38
48	Extended reliability of gold and copper ball bonds in microelectronic packaging. <i>Gold Bulletin</i> , 2013, 46, 103-115.	2.4	37
49	Enhanced sensing of dengue virus DNA detection using O ₂ plasma treated-silicon nanowire based electrical biosensor. <i>Analytica Chimica Acta</i> , 2016, 942, 74-85.	5.4	37
50	Highly selective molecular imprinted polymer (MIP) based sensor array using interdigitated electrode (IDE) platform for detection of mango ripeness. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 434-444.	7.8	35
51	Effects of reaction time on the morphological, structural, and gas sensing properties of ZnO nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2014, 18, 52-58.	4.0	35
52	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.	2.2	34
53	Characterization of Gold-Sputtered Zinc Oxide Nanorods as a Potential Hybrid Material. <i>Nanoscale Research Letters</i> , 2016, 11, 31.	5.7	34
54	Impact of hydrogen concentrations on the impedance spectroscopic behavior of Pd-sensitized ZnO nanorods. <i>Nanoscale Research Letters</i> , 2013, 8, 68.	5.7	33

#	ARTICLE	IF	CITATIONS
55	Application of Gold Nanoparticles for Electrochemical DNA Biosensor. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	2.7	33
56	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.	5.0	33
57	Characterisation, analysis and optical properties of nanostructure ZnO using the sol-gel method. <i>Micro and Nano Letters</i> , 2012, 7, 163.	1.3	32
58	Canine-Specific PCR Assay Targeting Cytochrome b Gene for the Detection of Dog Meat Adulteration in Commercial Frankfurters. <i>Food Analytical Methods</i> , 2014, 7, 234-241.	2.6	32
59	Thickness Dependent Nanostructural, Morphological, Optical and Impedometric Analyses of Zinc Oxide-Gold Hybrids: Nanoparticle to Thin Film. <i>PLoS ONE</i> , 2015, 10, e0144964.	2.5	32
60	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.	5.0	32
61	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.	1.9	31
62	Top-Down Nanofabrication and Characterization of 20 nm Silicon Nanowires for Biosensing Applications. <i>PLoS ONE</i> , 2016, 11, e0152318.	2.5	31
63	Technical Barriers and Development of Cu Wirebonding in Nanoelectronics Device Packaging. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	2.7	30
64	Morphological, structural, and gas-sensing characterization of tin-doped indium oxide nanoparticles. <i>Ceramics International</i> , 2014, 40, 1321-1328.	4.8	30
65	Fabrication of interdigitated high-performance zinc oxide nanowire modified electrodes for glucose sensing. <i>Analytica Chimica Acta</i> , 2016, 925, 70-81.	5.4	30
66	A direct detection of human papillomavirus 16 genomic DNA using gold nanoprobe. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 571-575.	7.5	30
67	Further optical properties of CdX (X=S, Te) compounds under quantum dot diameter effect: Ab initio method. <i>Renewable Energy</i> , 2012, 45, 232-236.	8.9	29
68	A Portable Automatic Endpoint Detection System for Amplicons of Loop Mediated Isothermal Amplification on Microfluidic Compact Disk Platform. <i>Sensors</i> , 2015, 15, 5376-5389.	3.8	29
69	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.	3.7	29
70	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.	3.6	29
71	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	29
72	Fabrication and Characterization of ZnO Thin Films by Sol-Gel Spin Coating Method for the Determination of Phosphate Buffer Saline Concentration. <i>Current Nanoscience</i> , 2013, 9, 288-292.	1.2	29

#	ARTICLE	IF	CITATIONS
73	Effect of annealing temperatures on the morphology, optical and electrical properties of TiO ₂ thin films synthesized by the sol-gel method and deposited on Al/TiO ₂ /SiO ₂ /p-Si. <i>Microsystem Technologies</i> , 2016, 22, 871-881.	2.0	28
74	Modular Architecture of a Non-Contact Pinch Actuation Micropump. <i>Sensors</i> , 2012, 12, 12572-12587.	3.8	27
75	Sol-gel derived ZnO nanoparticulate films for ultraviolet photodetector (UV) applications. <i>Optik</i> , 2013, 124, 5373-5376.	2.9	27
76	Sensitive pH detection on gold interdigitated electrodes as an electrochemical sensor. <i>Microsystem Technologies</i> , 2018, 24, 1965-1974.	2.0	27
77	Voltammetric determination of human papillomavirus 16 DNA by using interdigitated electrodes modified with titanium dioxide nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 336.	5.0	27
78	Synthesis of Single-Walled Carbon Nanotubes: Effects of Active Metals, Catalyst Supports, and Metal Loading Percentage. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	26
79	Progression in sensing cardiac troponin biomarker charge transductions on semiconducting nanomaterials. <i>Analytica Chimica Acta</i> , 2016, 935, 30-43.	5.4	26
80	Polysilicon nanogap lab-on-chip facilitates multiplex analyses with single analyte. <i>Biosensors and Bioelectronics</i> , 2016, 84, 44-52.	10.1	25
81	Design, fabrication and characterization of 1.0 μ m Gap Al based interdigitated electrode for biosensors. <i>Microsystem Technologies</i> , 2017, 23, 4501-4507.	2.0	25
82	Target ssDNA detection of E.coli O157:H7 through electrical based DNA biosensor. <i>Microsystem Technologies</i> , 2017, 23, 5771-5780.	2.0	25
83	Human Papillomavirus E6 biosensing: Current progression on early detection strategies for cervical Cancer. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 877-890.	7.5	25
84	Effect of Temperature of Oxalic Acid on the Fabrication of Porous Anodic Alumina from Al-Mn Alloys. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	24
85	Future and technical considerations of gold wirebonding in semiconductor packaging – a technical review. <i>Microelectronics International</i> , 2014, 31, 121-128.	0.6	24
86	Structural, Optical, Electrical, and Photoresponse Properties of Postannealed Sn-Doped ZnO Nanorods. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	23
87	Effects of Bonding Wires and Epoxy Molding Compound on Gold and Copper Ball Bonds Intermetallic Growth Kinetics in Electronic Packaging. <i>Journal of Electronic Materials</i> , 2014, 43, 1017-1025.	2.2	23
88	Evolution and investigation of copper and gold ball bonds in extended reliability stressing. <i>Gold Bulletin</i> , 2014, 47, 141-151.	2.4	23
89	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.	2.0	22
90	Nanobioprobe for the Determination of Pork Adulteration in Burger Formulations. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	2.7	21

#	ARTICLE	IF	CITATIONS
91	Sensitivity of A-549 human lung cancer cells to nanoporous zinc oxide conjugated with Photofrin. <i>Lasers in Medical Science</i> , 2012, 27, 607-614.	2.1	21
92	Wearout Reliability and Intermetallic Compound Diffusion Kinetics of Au and PdCu Wires Used in Nanoscale Device Packaging. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	2.7	21
93	Microfluidics Design and Fabrication for Life Sciences Application. <i>Advanced Science Letters</i> , 2013, 19, 48-53.	0.2	21
94	Isolation, Characterization, and Identification of Biological Control Agent for Potato Soft Rot in Bangladesh. <i>Scientific World Journal</i> , The, 2012, 2012, 1-6.	2.1	20
95	Bidirectional flow micropump based on dynamic rectification. <i>Sensors and Actuators A: Physical</i> , 2013, 204, 107-113.	4.1	20
96	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.	4.8	20
97	HIV-1 Tat biosensor: Current development and trends for early detection strategies. <i>Biosensors and Bioelectronics</i> , 2016, 78, 358-366.	10.1	20
98	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.	2.3	20
99	Structural and impedance spectroscopy study of Al-doped ZnO nanorods grown by sol-gel method. <i>Microelectronics International</i> , 2012, 29, 131-135.	0.6	19
100	Cell-targeting aptamers act as intracellular delivery vehicles. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6955-6969.	3.6	19
101	Morphological, Structural, and Electrical Characterization of Sol-Gel-Synthesized ZnO Nanorods. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	2.7	18
102	Fabrication and Characterization of 50 nm Silicon Nano-Gap Structures. <i>Science of Advanced Materials</i> , 2011, 3, 233-238.	0.7	18
103	Development of swine-specific DNA markers for biosensor-based halal authentication. <i>Genetics and Molecular Research</i> , 2012, 11, 1762-1772.	0.2	17
104	Reliability assessment and mechanical characterization of Cu and Au ball bonds in BGA package. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2803-2811.	2.2	17
105	Mediatorless Impedance Studies with Titanium Dioxide Conjugated Gold Nanoparticles for Hydrogen Peroxide Detection. <i>Biosensors</i> , 2017, 7, 38.	4.7	17
106	Titanium dioxide-mediated resistive nanobiosensor for E. coli O157:H7. <i>Mikrochimica Acta</i> , 2020, 187, 235.	5.0	17
107	The Electroosmosis Mechanism for Fluid Delivery in PDMS Multi-Layer Microchannel. <i>Advanced Science Letters</i> , 2013, 19, 12-15.	0.2	17
108	Reliability Assessment and Activation Energy Study of Au and Pd-Coated Cu Wires Post High Temperature Aging in Nanoscale Semiconductor Packaging. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2013, 135, 0210101-210107.	1.8	16

#	ARTICLE	IF	CITATIONS
109	Chalcogenide nanostructures: Topography, synthesis, properties, and applications. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	16
110	Effect of Hydrochloric Acid Concentration on Morphology of Polyaniline Nanofibers Synthesized by Rapid Mixing Polymerization. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	16
111	Fully Depletion of Advanced Silicon on Insulator MOSFETs. Critical Reviews in Solid State and Materials Sciences, 2015, 40, 182-196.	12.3	16
112	Nitric acid treated multi-walled carbon nanotubes optimized by Taguchi method. AIP Conference Proceedings, 2016, , .	0.4	16
113	Technology Development for Nano Structure Formation: Fabrication and Characterization. Advanced Science Letters, 2013, 19, 132-137.	0.2	16
114	Selection of Optimal Parameters in Fabrication of Poly(dimethylsiloxane) Microfluidics Using Taguchi Method. Advanced Science Letters, 2013, 19, 32-36.	0.2	16
115	ZnO thin film deposition on butterfly shaped electrodes for ultraviolet sensing applications. Optik, 2013, 124, 5961-5963.	2.9	15
116	A simple one-step anodising method for the synthesis of ordered porous anodic alumina. Journal of Experimental Nanoscience, 2014, 9, 106-112.	2.4	15
117	Preparation of DNA biosensor application from fuel oil waste by functionalization and characterization of MWCNT. Sensing and Bio-Sensing Research, 2017, 16, 1-5.	4.2	15
118	Distinguishing normal and aggregated alpha-synuclein interaction on gold nanorod incorporated zinc oxide nanocomposite by electrochemical technique. International Journal of Biological Macromolecules, 2021, 171, 217-224.	7.5	15
119	Production and characterization of graphene from carbonaceous rice straw by cost-effect extraction. 3 Biotech, 2021, 11, 205.	2.2	15
120	Effect of Manganese Content on the Fabrication of Porous Anodic Alumina. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	14
121	Superior performance and reliability of copper wire ball bonding in laminate substrate based ball grid array. Microelectronics International, 2013, 30, 169-175.	0.6	14
122	Design and fabrication of micro-mixer with short turns angles for self-generated turbulent structures. Microsystem Technologies, 2016, 22, 433-440.	2.0	14
123	Electrical DNA biosensor using aluminium interdigitated electrode for E.Coli O157:H7 detection. AIP Conference Proceedings, 2017, , .	0.4	14
124	Silica and graphene mediate arsenic detection in mature rice grain by a newly patterned currentâ€voltage aptasensor. Scientific Reports, 2021, 11, 14688.	3.3	14
125	Reviewâ€Three Dimensional Zinc Oxide Nanostructures as an Active Site Platform for Biosensor: Recent Trend in Healthcare Diagnosis. Journal of the Electrochemical Society, 2020, 167, 137501.	2.9	14
126	The Effects of Multiple Zincation Process on Aluminum Bond Pad Surface for Electroless Nickel Immersion Gold Deposition. Journal of Electronic Packaging, Transactions of the ASME, 2006, 128, 246-250.	1.8	13

#	ARTICLE	IF	CITATIONS
127	Wearout reliability study of Cu and Au wires used in flash memory fine line BGA package. , 2012, , .		13
128	DNA hybridization detection using less than 10-nm gap silicon nanogap structure. Sensors and Actuators A: Physical, 2013, 199, 304-309.	4.1	13
129	Study of Zinc Oxide Films on SiO ₂ /Si Substrate by Sol-Gel Spin Coating Method for pH Measurement. Applied Mechanics and Materials, 0, 284-287, 347-351.	0.2	13
130	Annealing effects on titanium dioxide films by Sol-Gel spin coating method. , 2013, , .		13
131	Detection of specific single-stranded DNA molecules through SiNW surface modulation. Microsystem Technologies, 2016, 22, 269-273.	2.0	13
132	Design and process development of silicon nanowire based DNA biosensor using electron beam lithography. , 2008, , .		12
133	Fabrication of Lateral Polysilicon Gap of Less than 50nm Using Conventional Lithography. Journal of Nanomaterials, 2011, 2011, 1-8.	2.7	12
134	Reliability challenges of Cu wire deployment in flash memory packaging. , 2012, , .		12
135	pH Measurement using in house fabricated interdigitated capacitive transducer. , 2013, , .		12
136	Microfluidic-based biosensor: signal enhancement by gold nanoparticle. Microsystem Technologies, 2016, 22, 2389-2395.	2.0	12
137	Au decorated ZnO thin film: application to DNA sensing. Microsystem Technologies, 2016, 22, 903-910.	2.0	12
138	pH sensing using in house fabricated polysilicon nanoelectrode based transducer. , 2012, , .		11
139	Numerical simulation of Microfluidic devices. , 2012, , .		11
140	Effects of annealing temperature on current-voltage characteristics of TiO ₂ thin film by sol-gel process on silicon substrate for biosensor application. , 2013, , .		11
141	Fabrication of interdigitated electrodes (IDE's) by conventional photolithography technique for pH measurement using micro-gap structure. , 2014, , .		11
142	Studying Effect Dimensions of Design and Simulation Silicon Nanowire Filed Effect Biosensor. Applied Mechanics and Materials, 2015, 754-755, 854-858.	0.2	11
143	Voltammetric immunoassay for the human blood clotting factor IX by using nanogapped dielectrode junctions modified with gold nanoparticle-conjugated antibody. Mikročimica Acta, 2017, 184, 3739-3745.	5.0	11
144	Reduced graphene oxide-multiwalled carbon nanotubes composites as sensing membrane electrodes for DNA detection. Microsystem Technologies, 2017, 23, 3421-3428.	2.0	11

#	ARTICLE	IF	CITATIONS
145	Designing probe from E6 genome region of human Papillomavirus 16 for sensing applications. International Journal of Biological Macromolecules, 2018, 107, 1738-1746.	7.5	11
146	Co-ordinated split aptamer assembly and disassembly on Gold nanoparticle for functional detection of HIV-1 tat. Process Biochemistry, 2019, 79, 32-39.	3.7	11
147	Design of digital display system for ISFET pH sensor by using PIC microcontroller Unit (MCU). , 2009, , .		10
148	Top-Down Approach: Fabrication of Silicon Nanowires using Scanning Electron Microscope based Electron Beam Lithography Method and Inductively Coupled Plasma-Reactive Ion Etching. AIP Conference Proceedings, 2010, , .	0.4	10
149	Oxidation functionalization of multiwalled carbon nanotube by mild acid sonication. , 2014, , .		10
150	Detection of Human Papillomavirus 16-Specific IgG and IgM Antibodies in Patient Sera: A Potential Indicator of Oral Squamous Cell Carcinoma Risk Factor. International Journal of Medical Sciences, 2016, 13, 424-431.	2.5	10
151	Aptamer-based determination of ATP by using a functionalized impedimetric nanosensor and mediation by a triangular junction transducer. Mikrochimica Acta, 2017, 184, 4425-4431.	5.0	10
152	Enhanced performance analysis of vertical strained-sigeimpact Ionization MOSFET (VESIMOS). , 2012, , .		9
153	Development of Interdigitated Electrode Molecular Imprinted Polymer Sensor for Monitoring Alpha Pinene Emissions from Mango Fruit. Procedia Engineering, 2013, 53, 197-202.	1.2	9
154	A CPW-fed 2.45 GHz wearable antenna using conductive nanomaterials for on-body applications. , 2014, , .		9
155	Rapid and sensitive strategy for Human Papillomavirus (HPV) detection using a gene-based DNA nanobiosensor. , 2014, , .		9
156	The impact of minority carrier lifetime and carrier concentration on the efficiency of CIGS solar cell. , 2014, , .		9
157	Multi-analyte validation in heterogeneous solution by ELISA. International Journal of Biological Macromolecules, 2017, 105, 796-800.	7.5	9
158	Shortening full-length aptamer by crawling base deletion â€œ Assisted by Mfold web server application. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2017, 23, 37-42.	1.0	9
159	Fabrication and characterization of IDE ZnO thin films using sol-gel method for PBS solution measurement. , 2012, , .		8
160	Optoelectronic properties of GaAs and AlAs under temperature effect. Optik, 2013, 124, 2128-2130.	2.9	8
161	Micro Pump Pattern Replication Using Printed Circuit Board (PCB) Technology. Materials and Manufacturing Processes, 2013, , 130522152012004.	4.7	8
162	FEM modeling and simulation of a layered SAW device based on ZnO/128Â° YX LiNbO<inf>3</inf>. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
163	Stable electrical, morphological and optical properties of titanium dioxide nanoparticles affected by annealing temperature. <i>Microsystem Technologies</i> , 2017, 23, 1743-1750.	2.0	8
164	Feasibility study on microwave welding of thermoplastic using multiwalled carbon nanotubes as susceptor. <i>Nanomaterials and Nanotechnology</i> , 2021, 11, 184798042110029.	3.0	8
165	Nanowire Formation Using Electron Beam Lithography. , 2009, , .		7
166	Fabrication of Nanowire Using Ash Trimming Technique. <i>Advanced Materials Research</i> , 0, 626, 1042-1047.	0.3	7
167	Investigation of incorporating dielectric pocket (DP) on Vertical Strained-SiGe Impact Ionization MOSFET (VESIMOS-DP). , 2012, , .		7
168	Area-Selective ZnO Thin Film Deposition on Variable Microgap Electrodes and Their Impact on UV Sensing. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-5.	2.7	7
169	Microfluidic Photomask Design Using CAD Software for Application in Lab-On-Chip Biomedical Nanodiagnostics. <i>Advanced Materials Research</i> , 0, 795, 388-392.	0.3	7
170	Influence of shear strength on long term biased humidity reliability of Cu ball bonds. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4786-4792.	2.2	7
171	Discrete event simulation modeling for semiconductor fabrication operation. , 2014, , .		7
172	Surface functionalization of multiwalled carbon nanotube for biosensor device application. , 2014, , .		7
173	Functionalization of Multi Wall Carbon Nanotubes Using Nitric Acid Oxidation. <i>Applied Mechanics and Materials</i> , 2015, 754-755, 1156-1160.	0.2	7
174	Deposition and characterization of ZnO thin film for FET with back gate biasing-based biosensors application. , 2015, , .		7
175	Piezoelectric thin films for double electrode CMOS MEMS surface acoustic wave (SAW) resonator. <i>Microsystem Technologies</i> , 2015, 21, 1931-1940.	2.0	7
176	Interdigitated Electrodes integrated with zinc oxide nanoparticles for Cardiac Troponin I biomarker detection. , 2016, , .		7
177	Selective detection of E.coli O157:H7 bacteria DNA using electrical based aluminium interdigitated electrode biosensor. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	7
178	Nanowire conductance biosensor by spacer patterning lithography technique for DNA hybridization detection: Design and fabrication method. , 2008, , .		6
179	The characterization study of functionalized multi-wall carbon nanotubes purified by acid oxidation. , 2011, , .		6
180	Nanobiosensor for the Detection and Quantification of Specific DNA Sequences in Degraded Biological Samples. <i>IFMBE Proceedings</i> , 2011, , 384-387.	0.3	6

#	ARTICLE	IF	CITATIONS
181	Designing an Artificial Neural Network model for the prediction of kidney problems symptom through patient's metal behavior for pre-clinical medical diagnostic. , 2012, , .		6
182	Recognition of Limonene Volatile Using Interdigitated Electrode Molecular Imprinted Polymer Sensor. , 2012, , .		6
183	Fabrication of PDMS multi-layer microstructure: The electroosmosis mechanism in fluidics for life sciences. , 2012, , .		6
184	Carbon nanotubes-based electrochemical biosensors. , 2012, , .		6
185	Fabrication of nanodiodes using atomic-force microscope lithography. , 2013, , .		6
186	Gate dielectric scaling in MOSFETs device. AIP Conference Proceedings, 2016, , .	0.4	6
187	Design and fabrication of Interdigitated Electrode (IDE) for detection of Ganoderma boninense. , 2016, , .		6
188	Ultra-low current biosensor output detection using portable electronic reader. AIP Conference Proceedings, 2017, , .	0.4	6
189	Multichannel PDMS microfluidic based nano-biolab-on-a-chip for medical diagnostics. AIP Conference Proceedings, 2018, , .	0.4	6
190	The impact of different channel doping concentrations on the performance of polycrystalline silicon nanowire field-effect transistor biosensor. AIP Conference Proceedings, 2018, , .	0.4	6
191	Gold-Nanohybrid Biosensors for Analyzing Blood Circulating Clinical Biomacromolecules: Current Trend toward Future Remote Digital Monitoring. Critical Reviews in Analytical Chemistry, 2022, 52, 577-592.	3.5	6
192	Design and fabrication of PDMS microfluidics device for rapid and label-free DNA detection. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6
193	Polysilicon Nanowire Fabrication as a Transducer for Fast Reaction Assays in Nano Lab-on-Chip Domain. Sensor Letters, 2013, 11, 333-336.	0.4	6
194	Low Cost Diffuser Based Micropump Using Pinch Actuation. Advanced Materials Research, 2011, 422, 397-400.	0.3	5
195	Development of capacity indices for semiconductor fabrication. , 2012, , .		5
196	Effect of pH on the capacitive behavior of microgap sensor. , 2012, , .		5
197	Micro/Nanowires Fabrication: Design Consideration for Reliable and Repeatability in Pattern Transfer. , 2012, , .		5
198	Microstructure pattern etching by reactive ion etching (RIE) for future reproductivity of nanogap biosensor. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
199	Mask design for the reproducible fabrication and reliable pattern transfer for polysilicon Nanowire. , 2012, , .		5
200	Single and dual strained channel analysis of vertical strained — SiGe impact ionization MOSFET (VESIMOS). , 2013, , .		5
201	Acoustic wavelength effects on the propagation of SAW on piezo-crystal and polymer substrates. , 2013, , .		5
202	Conventional Photolithography and Process Optimization of Pattern-Size Expansion Technique for Nanogap Biosensor Fabrication. Advanced Materials Research, 0, 832, 89-94.	0.3	5
203	Extension of Cherenkov Light LDF Approximation for Yakutsk EAS Array. Journal of Astrophysics, 2014, 2014, 1-6.	0.4	5
204	Silicon nanowire fabrication. Microelectronics International, 2014, 31, 78-85.	0.6	5
205	Solar cell using sensitizer extracted from organic substances. , 2014, , .		5
206	The impact of channel doping in junctionless field effect transistor. , 2014, , .		5
207	Effect of isothermal annealing on structural, morphological, optical and electrical properties of N-type TiO ₂ thin films. , 2014, , .		5
208	Real-time detection by properties of tin dioxide for formaldehyde gas sensor. , 2015, , .		5
209	The Effect of Chemical Solutions (Isopropyl Alcohol, Dichloromethane, Acetone and Triton X-100) on the Dispersion of Single-Walled Carbon Nanotubes. Advanced Materials Research, 0, 1109, 113-117.	0.3	5
210	An electrochemical DNA biosensor based gold-thiolate conjugation utilizing ruthenium complex [Ru(dppz) ₂ (qtpy)]Cl ₂ . Microsystem Technologies, 2017, 23, 1237-1245.	2.0	5
211	Development of an inductor incorporated onto a carbon fiber MAV structural component. Microsystem Technologies, 2017, 23, 1433-1442.	2.0	5
212	Immunosensor development for rice tungro bacilliform virus (RTBV) detection using antibody nano-gold conjugate. AIP Conference Proceedings, 2017, , .	0.4	5
213	Immunosensor development formatting for tungro disease detection using nano-gold antibody particles application. AIP Conference Proceedings, 2017, , .	0.4	5
214	Calculation of the band structure parameter in silicon nanowires using first principle analytical method. AIP Conference Proceedings, 2017, , .	0.4	5
215	Impedance based Aluminium Interdigitated Electrode (Al-IDE) Biosensor on Silicon Substrate for Salmonella Detection. , 2018, , .		5
216	Recent advances in techniques for fabrication and characterization of nanogap biosensors: A review. Biotechnology and Applied Biochemistry, 2022, 69, 1395-1417.	3.1	5

#	ARTICLE	IF	CITATIONS
217	A systematic dry etching process for profile control of quantum dots and nanoconstrictions. <i>Microelectronics Journal</i> , 2007, 38, 823-827.	2.0	4
218	Silicon nitride gate ISFET fabrication based on four mask layers using standard MOSFET technology. , 2008, , .		4
219	Design and fabrication of nanowire-based conductance biosensor using spacer patterning technique. , 2008, , .		4
220	Mask design and fabrication of LiSFET for Light Sensor application. , 2008, , .		4
221	Polysilicon nanogap capacitive biosensors for the pH detection. , 2011, , .		4
222	Polysilicon nanogap structure development using size expansion technique. <i>Microelectronics International</i> , 2011, 28, 24-30.	0.6	4
223	ZnO Nanoporous Structure Growth, Optical and Structural Characterization by Aqueous Solution Route. , 2011, , .		4
224	Polysilicon nanogap fabrication using a thermal oxidation process. <i>Microelectronics International</i> , 2012, 29, 40-46.	0.6	4
225	Formation of polysilicon nanowires as transducer for biosensor using plasma trimming process. , 2012, , .		4
226	Study of ZnO micro-gap on SiO ₂ /Si substrate by conventional lithography method for pH measurement. , 2012, , .		4
227	Recent advancement in microgap electrode fabrication by conventional photolithography technique. , 2012, , .		4
228	Mask Design and Simulation: Computer Aided Design for Lab-on-Chip Application. <i>Advanced Materials Research</i> , 0, 832, 84-88.	0.3	4
229	Study of frequency dependent electrical properties of ZnO nanorods. <i>Microelectronics International</i> , 2013, 30, 134-137.	0.6	4
230	Effect of Anodizing Voltage on the Formation of Porous Anodic Alumina on Al-0.5wt% Mn Alloys. <i>Advanced Materials Research</i> , 0, 925, 455-459.	0.3	4
231	Horrendous capacity cost of semiconductor wafer manufacturing. , 2014, , .		4
232	Characterization of Difference Size of IDE Pattern for Formaldehyde Detection Sensor. <i>Applied Mechanics and Materials</i> , 0, 754-755, 917-922.	0.2	4
233	Fabrication and Characterization of ZnO Thin Films by Sol-Gel Spin Coating Method for pH Measurement. <i>Advanced Materials Research</i> , 0, 1109, 99-103.	0.3	4
234	Gold nano-particle based Al interdigitated electrode electrical biosensor for specific ssDNA target detection. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
235	Numerical simulation of different silicon nanowire field-effect transistor channel lengths for biosensing application. AIP Conference Proceedings, 2018, , .	0.4	4
236	Label-free aptamer based biosensor for heavy metal detection. AIP Conference Proceedings, 2020, , .	0.4	4
237	MicroRNA of Nâ€region from SARSâ€CoVâ€2: Potential sensing components for biosensor development. Biotechnology and Applied Biochemistry, 2021, , .	3.1	4
238	Spectral aging of gold and silver nanoparticles synthesized by laser ablation in liquids. Journal of Nanophotonics, 2019, 13, 1.	1.0	4
239	Fabrication of Cu₂O Nanostructured Thin Film by Anodizing. Materials Science-Poland, 2018, 36, 209-216.	1.0	4
240	DNA Hybridization Detection Using 5-nm Polysilicon Nanogap Structure. Current Nanoscience, 2013, 9, 283-287.	1.2	4
241	ZnO nanoporous structure growth, optical and structural characterization by aqueous solution route. , 2010, , .		3
242	Study of ZnO thin film on silicon substrate by sol-gel spin coating method for bio-medical application. , 2012, , .		3
243	Development of microstructure on polysilicon substrate by reactive ion etching (RIE) for future reproductivity of nanogap. , 2012, , .		3
244	Titanium dioxide nanowires-based interdigitated electrodes for biomedical application. , 2012, , .		3
245	Simulation Of Ultra Shallow Junction Formation For Nano Devices Applications By Dopant Diffusion From Spin On Glasses. Jurnal Teknologi (Sciences and Engineering), 2012, , .	0.4	3
246	Emulation of double gate transistor in ultra-thin body with thin buried oxide SOI MOSFETs. , 2013, , .		3
247	Fabrication and characterization of metal microwire transducer for biochip application. , 2013, , .		3
248	Negative Pattern Scheme (NPS) Design for Nanowire Formation Using Scanning Electron Microscope Based Electron Beam Lithography Technique. Advanced Materials Research, 2013, 832, 419-422.	0.3	3
249	Thin Film Thickness and Uniformity Measurement for Lab-on-Chip Based Nanoelectrode Biosensor Development. Advanced Materials Research, 0, 832, 95-100.	0.3	3
250	Structural and Morphological Studies of Cadmium Sulfide Nanostructures. Advanced Materials Research, 0, 795, 228-232.	0.3	3
251	Fabrication of Silicon Nanowires by Electron Beam Lithography and Thermal Oxidation Size Reduction Method. Advanced Materials Research, 0, 832, 415-418.	0.3	3
252	Mask Design and Fabrication of Micro/Nanowire Biochip for Reliable and Repeatability Pattern Transfer. Advanced Materials Research, 0, 832, 79-83.	0.3	3

#	ARTICLE	IF	CITATIONS
253	Glass etching for cost-effective microchannels fabrication. , 2014, , .		3
254	Pattern Transfer of 1 μ m Sized Microgap and Microbridge Electrode for Application in Biomedical Nano-Diagnostics. Advanced Materials Research, 0, 925, 533-537.	0.3	3
255	Fabrication and characterization of a single-bridge nanorod between microgap electrodes. Microelectronics International, 2014, 31, 104-107.	0.6	3
256	Structural, Morphological and Optical Properties of Sol-Gel Derived ZnO Thin Film for UV Sensing Application. Advanced Materials Research, 2015, 1109, 304-308.	0.3	3
257	Synthesis of Nanoporous Zinc Oxide by Anodizing of Zinc in Distilled Water. Applied Mechanics and Materials, 2015, 754-755, 1126-1130.	0.2	3
258	Reactive Ion etching of TiO ₂ thin film: The impact of different gaseous. , 2015, , .		3
259	Characteristics of TiO ₂ thin film with back-gate biasing for FET-based biosensors application. , 2015, , .		3
260	The Strategy to Control the Morphology of ZnO Nanostructure UV Sensor. IOP Conference Series: Materials Science and Engineering, 2015, 99, 012017.	0.6	3
261	Impact of size variation in junctionless vs junction planar SOI n-MOSFET transistor. , 2015, , .		3
262	Silicon nanowire formed via shallow anisotropic etching Si-ash-trimming for specific DNA and electrochemical detection. Chinese Physics B, 2015, 24, 068102.	1.4	3
263	Effect of Temperature of Distilled Water on the Morphology of Nanoporous Zinc Oxide Synthesized by Anodizing. Applied Mechanics and Materials, 2015, 754-755, 1131-1135.	0.2	3
264	Morphological, Structural and UV Sensing Properties of Fe-Doped ZnO Nanorods. Advanced Materials Research, 0, 1109, 200-204.	0.3	3
265	Effect of electric potential into conductance silicon nanowire distribution. Microsystem Technologies, 2015, 21, 693-697.	2.0	3
266	The effect of substrate-gate bias on the zinc oxide field-effect transistor for biosensing application. , 2016, , .		3
267	Determination of set potential voltages for cucumber mosaic virus detection using screen printed carbon electrode. AIP Conference Proceedings, 2017, , .	0.4	3
268	Selectivity verification of cardiac troponin monoclonal antibodies for cardiac troponin detection by using conventional ELISA. AIP Conference Proceedings, 2017, , .	0.4	3
269	Evaluation of factor IX deficiency by interdigitated electrode (IDE). AIP Conference Proceedings, 2017, , .	0.4	3
270	Fabrication of interdigitated electrodes (IDEs) using basic conventional lithography for pH measurement. AIP Conference Proceedings, 2017, , .	0.4	3

#	ARTICLE	IF	CITATIONS
271	Development of portable electronic reader for picoampere detection for two-electrode based amperometric biosensor applications. AIP Conference Proceedings, 2018, , .	0.4	3
272	Characterization of Genome Sequence 2019 Novel Coronavirus (2019-nCoV) by using BioinformaticTool. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012168.	0.6	3
273	Integrated ZnO-Al ₂ O ₃ nano particles as absorbent for heavy metal ions and organic impurities. AIP Conference Proceedings, 2021, , .	0.4	3
274	Disposable Polymeric Electromagnetic Actuated Micropump. Advanced Science Letters, 2012, 13, 560-564.	0.2	3
275	Solâ€“Gel Synthesis of ZnO Nanorods for Ultrasensitive Detection of Acetone. Advanced Science Letters, 2013, 19, 3560-3563.	0.2	3
276	Design of 3D Micromixer for Bio-Synthesis Using COMSOL Multiphysics Software Package. Advanced Science Letters, 2013, 19, 3454-3458.	0.2	3
277	Fabrication and Characterization of Gold Nano-gaps for ssDNA Immobilization and Hybridization Detection. Journal of New Materials for Electrochemical Systems, 2011, 14, 191-196.	0.6	3
278	Potentials of MicroRNA in Early Detection of Ovarian Cancer by Analytical Electrical Biosensors. Critical Reviews in Analytical Chemistry, 2022, 52, 1511-1523.	3.5	3
279	Characteristics of Serial Peripheral Interfaces (SPI) Timing Parameters for Optical Mouse Sensor. , 2006, , .		2
280	Nano patterning of cone dots and nano constrictions of negative e-beam resist for single electron transistor fabrication. Journal of Materials Science: Materials in Electronics, 2007, 18, 1191-1195.	2.2	2
281	Design and fabrication of Nano Biologically sensitive field-effect transistor (Nano Bio-FET) for bio-molecule detection. , 2010, , .		2
282	A study for optimum productivity yield in 0.16µm mixed of wafer fabrication facility. , 2010, , .		2
283	Colorimetric Sensor for Label Free Detection of Porcine PCR Product (ID: 18). , 2011, , .		2
284	A Brief Review of the Current Technologies Used for the Fabrication of Metal-Molecule-Metal Junction Electrodes. Advanced Materials Research, 2012, 626, 867-877.	0.3	2
285	Design and characteristic of CMOS fabricated acoustic waves based sensors for foodborne pathogen rapid detection. , 2012, , .		2
286	The effect of exposure time and development time on photoresist thin film in Micro/Nano structure formation. , 2012, , .		2
287	Synthesis and characterization of titania nanoparticles via sol-gel method. , 2012, , .		2
288	An evaluation of stand-alone electrical power PV systems at Orang Asli villages in Cameron Highland, Malaysia. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
289	Initial strategy for design and fabrication of microgap electrodes. , 2012, , .		2
290	The synthesis and fabrication of Titanium dioxide nanowires-based biosensor. , 2012, , .		2
291	Pierce oscillator circuit topology for high motional resistance CMOS MEMS SAW resonator. , 2012, , .		2
292	Fabrication of silicon nitride ion sensitive field-effect transistor (ISFET). , 2013, , .		2
293	Wireless sensor node for farm monitoring. , 2013, , .		2
294	Quantitative measurement of sugar concentration using in house fabricated microgap biosensor. , 2013, , .		2
295	Chrome Mask Design for Microfluidic Fabrication. Advanced Materials Research, 2013, 795, 276-280.	0.3	2
296	Novel Iron-oxide Catalyzed CNT Formation on Semiconductor Silicon Nanowire. Current Nanoscience, 2014, 10, 695-699.	1.2	2
297	Analysis and Structural Investigations of CdS/Quartz Nanostructures. Advanced Materials Research, 0, 925, 374-378.	0.3	2
298	Design and Fabrication of IDT Surface Acoustic Wave Device for Biosensor Application. , 2014, , .		2
299	An Investigation of the Distribution of Electric Potential and Space Charge in a Silicon Nanowire. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 597-605.	1.5	2
300	Rapid and sensitive E-Coli DNA detection by titanium dioxide nanoparticles. , 2014, , .		2
301	Fabrication of SAW device by using ZnO thin film as a sensing area. , 2014, , .		2
302	Synthesis of zinc oxide thin film by anodizing. , 2014, , .		2
303	Preparation of zinc oxide piezoelectric substrate for saw biosensor device. , 2014, , .		2
304	Aptamer immobilization on MWCNT-modified SGFET for detection of HIV-1 Tat protein. , 2014, , .		2
305	Titanium dioxide nanoparticles for pH sensor. , 2014, , .		2
306	Investigating the Cherenkov light lateral distribution function for primary proton and iron nuclei in extensive air showers. Physics of Particles and Nuclei Letters, 2015, 12, 751-756.	0.4	2

#	ARTICLE	IF	CITATIONS
307	Development of effectively test chamber for SnCl ₂ gas detection sensor. , 2015, , .		2
308	Momordica charantia fruit mediated green synthesis of silver nanoparticles. Green Processing and Synthesis, 2015, 4, .	3.4	2
309	Preparation and characterization of titanium dioxide thin film for field-effect transistor biosensor application. , 2015, , .		2
310	Nano“bio interface: the characterization of functional bio interface on silicon nanowire. Microsystem Technologies, 2015, 21, 1643-1649.	2.0	2
311	Study of surface functionalization on IDE by using 3-aminopropyl triethoxysilane (APTES) for cervical cancer detection. AIP Conference Proceedings, 2016, , .	0.4	2
312	Design Architecture of field-effect transistor with back gate electrode for biosensor application. AIP Conference Proceedings, 2016, , .	0.4	2
313	Zinc oxide interdigitated electrode for biosensor application. AIP Conference Proceedings, 2016, , .	0.4	2
314	Gold nanoparticles embedded silicon channel biosensor for improved sensitivity. AIP Conference Proceedings, 2016, , .	0.4	2
315	Surface morphology of titanium dioxide (TiO ₂) nanoparticles on aluminum interdigitated device electrodes (IDEs). AIP Conference Proceedings, 2016, , .	0.4	2
316	Integrated titanium dioxide (TiO ₂) nanoparticles on interdigitated device electrodes (IDEs) for pH analysis. AIP Conference Proceedings, 2016, , .	0.4	2
317	Interdigitated electrode (IDE) for porcine detection based on titanium dioxide (TiO ₂) thin films. AIP Conference Proceedings, 2016, , .	0.4	2
318	Fabrication and characterization on reduced graphene oxide field effect transistor (RGOFET) based biosensor. AIP Conference Proceedings, 2016, , .	0.4	2
319	The latest trend in nano-bio sensor signal analysis. Sensor Review, 2016, 36, 303-311.	1.8	2
320	Sensitivity and selectivity of metal oxides based sensor towards detection of formaldehyde. , 2016, , .		2
321	Top-down fabricated nanowire sensor: The effect of charge-interface on the behavior of the semiconductor nanowire via silanol-water interactions. AIP Conference Proceedings, 2017, , .	0.4	2
322	Study of different 3-aminopropyl triethoxysilane (APTES) concentration on TiO ₂ particles based IDE for cervical cancer detection. AIP Conference Proceedings, 2017, , .	0.4	2
323	Characterization of zinc oxide thin film for pH detector. AIP Conference Proceedings, 2017, , .	0.4	2
324	Lattices parameter dependent on effective atomic interactive coefficient in nanostructure. AIP Conference Proceedings, 2017, , .	0.4	2

#	ARTICLE	IF	CITATIONS
325	Specific and selective target detection of supra-genome 21 Mers Salmonella via silicon nanowires biosensor. AIP Conference Proceedings, 2017, , .	0.4	2
326	Synthesis of zinc oxide thin films prepared by sol-gel for specific bioactivity. AIP Conference Proceedings, 2017, , .	0.4	2
327	Amino-propyltriethoxysilane Modified Heavy Metal Sensor Based on Silicon Nanowire Arrays. IOP Conference Series: Materials Science and Engineering, 0, 454, 012080.	0.6	2
328	Design, Fabrication and Characterization of silicon Nanostructures for Lead (Pb+) ion detection. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012181.	0.6	2
329	Effect of kenaf fibre Mat layers and Zinc Oxide Nanoparticle Concentration on the Mechanical and Thermal Properties of ZnONPs/kenaf/polyester Composites. IOP Conference Series: Materials Science and Engineering, 0, 454, 012079.	0.6	2
330	Physical and structural study of graphene oxide by improved hummers method. AIP Conference Proceedings, 2018, , .	0.4	2
331	Polysilicon Nanogap Formation Using Size Expansion Technique for Biosensor Application. IFMBE Proceedings, 2011, , 388-392.	0.3	2
332	Study of Cherenkov light lateral distribution function around the knee region in extensive air showers. Serbian Astronomical Journal, 2015, , 79-85.	0.6	2
333	Assessment of heavy metals contamination studies in paddy grains around paddy field in Perlis. AIP Conference Proceedings, 2020, , .	0.4	2
334	Design of 100nm Single-Electron Transistor (SET) by 2D TCAD Simulation. , 2006, , .		1
335	Fabrication and characterization of Si quantum dots and SiO ₂ tunnel barriers grown by a controlled oxidation process. Nanotechnology, 2008, 19, 075302.	2.6	1
336	CdS Film Thickness Characterization By R. F. Magnetron Sputtering. , 2009, , .		1
337	Nano-silver microcavity enhanced UV GaN light emitter. International Journal of Nanomanufacturing, 2009, 4, 26.	0.3	1
338	Development of carbon nanotube based biosensor fabrication for medical diagnostics application. , 2010, , .		1
339	Structure and optical characterization of ZnO-Sn thin films. , 2011, , .		1
340	Design and Fabrication of Nano Biologically Sensitive Field-Effect Transistor (Nano Bio-FET) for Bio-Molecule Detection. , 2011, , .		1
341	Parametric Study and Thickness Evaluation of Photoresist Development for the Formation of Microgap Electrodes Using Surface Nanoprofiler. Advanced Materials Research, 2012, 626, 942-947.	0.3	1
342	Low cost fabrication of micromixer and microchamber for microfluidic lab-on-chip. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
343	Design and analysis of a localised environment monitoring sensor system. , 2012, , .		1
344	A simulation study of the effect engineered tunnel barrier to the floating gate flash memory devices. , 2012, , .		1
345	Current Trend in Simulation: A Study Simulation of Poly-Silicon Nanowire Using COMSOL Multiphysics. Advanced Materials Research, 2013, 795, 669-673.	0.3	1
346	Photoresist microbridge pattern optimization at 180nm using conventional photolithography technique. , 2013, , .		1
347	Investigating the annealing effect on the conventional growth of ZnO nanorod through electrical characterization. , 2013, , .		1
348	Nanoelectrode Chrome Photomask Design and Specification for Biosensor Fabrication. Advanced Materials Research, 0, 795, 397-402.	0.3	1
349	Mask Design Platform for Zinc Oxide Nanowire Growth. Advanced Materials Research, 2013, 795, 393-396.	0.3	1
350	The effect of phosphate buffer solution (PBS) concentration on the ion sensitive field-effect transistor (ISFET) detection. , 2013, , .		1
351	SERS-Active Nanomaterials: A New Dimension in Sensing Nucleic Acids. Advanced Materials Research, 0, 925, 490-494.	0.3	1
352	Study of Titanium Dioxide Thin Film by Sol-Gel Method. Advanced Materials Research, 0, 925, 278-281.	0.3	1
353	Structural and Electrical Properties of Titania Thin Films. Advanced Materials Research, 0, 925, 300-303.	0.3	1
354	Micro-Gap Electrodes Fabrication by Low Cost Conventional Photo Lithography Technique and Surface Characterization by Nanoprofiler. Advanced Materials Research, 0, 925, 635-640.	0.3	1
355	Fabrication of Poly-Si Nanowire Using Conventional Photolithography Technique. Advanced Materials Research, 0, 925, 460-463.	0.3	1
356	Fabrication and characterization of polysilicon for DNA detection. , 2014, , .		1
357	Fabrication of SONOS flash memory device by using engineered tunnel barrier technique. , 2014, , .		1
358	A field-effect device based on an exfoliated thin film of few-layer graphene. , 2014, , .		1
359	The annealing temperature effect on the structure and electrical properties of titanium dioxide (TiO ₂) film deposited by reactive RF sputtering. , 2014, , .		1
360	Shear horizontal surface acoustic wave COMSOL modeling on lithium niobate piezoelectric substrate. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
361	Fabrication and characterization of ZnO thin film on interdigitated electrode by sol-gel spin coating method for DNA detection. , 2014, , .		1
362	Electron concentration behavior in junctionless vs junction SOI n-MOSFET transistor. , 2015, , .		1
363	Design and simulation study of high frequency response for surface acoustic wave device by using CST software. AIP Conference Proceedings, 2015, , .	0.4	1
364	Fabrication of PDMS Microfluidic via Room Temperature Rapid Prototyping Process. Advanced Materials Research, 2015, 1109, 340-344.	0.3	1
365	Study on chemically modified graphene platforms for biosensor applications. , 2015, , .		1
366	Synthesis of Fe₃O₄ Nanoparticles to Synthesize Bundles of Single-Walled Carbon Nanotubes. Advanced Materials Research, 0, 1109, 108-112.	0.3	1
367	The Electrical Signals Measurement for Silicon Nanowires pH Sensor. Advanced Materials Research, 0, 1109, 219-222.	0.3	1
368	Fabrication and electrical characterization of graphene oxide as transducing channel for biosensor application. , 2015, , .		1
369	Low cost mask layout design for fabrication of spiral interdigitated electrodes in electrochemical biosensor application. , 2015, , .		1
370	An In-House Approach for Fabrication of Poly-Silicon Nanobiosensor Using Conventional Photolithography and Etching Method. Advanced Materials Research, 2015, 1109, 210-213.	0.3	1
371	The effect of spray volume and height to the electrical conductance of carbon nanotube layer. , 2015, , .		1
372	Silicon Nanowire Surface Preparation Using Chitosan. Advanced Materials Research, 2015, 1109, 350-354.	0.3	1
373	A study on real-time pulse sensor interface with system-on-chip architecture. , 2016, , .		1
374	HIV-1 Tat peptide detection by using RNA aptamer on MWCNT modified electrode. , 2016, , .		1
375	Electrical characterization of surface modified IDE with Gold Nano particles. , 2016, , .		1
376	Colorimetric assay of HIV-1 Tat protein and peptide. , 2016, , .		1
377	Integration of IDE with ZnO nanoparticles for detection of synthetic formaldehyde liquid. , 2016, , .		1
378	Surface morphology of reduced graphene oxide-carbon nanotubes hybrid film for bio-sensing applications. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
379	Fabrication and characterization on width of spiral interdigitated electrodes based biosensors. AIP Conference Proceedings, 2017, , .	0.4	1
380	A strategy for design and fabrication of low cost microchannel for future reproductivity of bio/chemical lab-on-chip application. AIP Conference Proceedings, 2017, , .	0.4	1
381	Electrical characterization of reduced graphene oxide (rGO) on organic thin film transistor (OTFT). AIP Conference Proceedings, 2017, , .	0.4	1
382	Detection of human immunodeficiency virus type 1 (HIV-1) Tat protein by aptamer-based biosensors. AIP Conference Proceedings, 2017, , .	0.4	1
383	Preliminary assessment for DNA extraction on microfluidic channel. AIP Conference Proceedings, 2017, , .	0.4	1
384	Characterization of difference carbon nanotubes (CNTs) as a sensing mechanism for development of formaldehyde gas detection sensor. , 2017, , .		1
385	A study of nano-biosensors and their output amplitude analysis algorithms. Journal of Medical Engineering and Technology, 2017, 41, 72-80.	1.4	1
386	Surface morphological and electrical characterization of silicon nanowires (SiNWs) by conventional photolithography method. , 2017, , .		1
387	Influenza viral detection on microfluidic delivery assisted biosensors. Microsystem Technologies, 2018, 24, 823-830.	2.0	1
388	Effect of Kenaf Fibre Layers on Mechanical and Thermal Properties of Kenaf/Unsaturated Polyester Composites. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012091.	0.6	1
389	Functionalization of Si Nanowire Surfaces to Create Interactive Mechanism for Heavy Metals Detection Application. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012180.	0.6	1
390	Development of highly sensitive interdigitated electrodes (IDEs) with APTES/GOx based lab-on-chip biosensor to determine glucose level. , 2019, , .		1
391	Gold Nanoparticles Enhanced Electrochemical Impedance Sensor (EIS) for Human Papillomavirus (HPV) 16 Detection E6 region. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012165.	0.6	1
392	MPTES decorated IDE for arsenic (As) selective detection. AIP Conference Proceedings, 2021, , .	0.4	1
393	A mini review of electrochemical genosensor based biosensor diagnostic system for infectious diseases. Environmental and Toxicology Management, 2021, 1, 14-17.	0.7	1
394	Designing dna probe from hpv 18 and 58 in e6 region for sensing element in the development of genosensor based gold nanoparticles. Biotechnology and Applied Biochemistry, 2021, , .	3.1	1
395	Surface characterization study of nanoporous anodic aluminium oxide thin film synthesized by single-step anodization. AIP Conference Proceedings, 2021, , .	0.4	1
396	Green Synthesis of Zinc Oxide Nanostructured Thin Film by Anodizing Process Using Distilled Water as Electrolyte. Nanoscience and Nanotechnology - Asia, 2017, 7, .	0.7	1

#	ARTICLE	IF	CITATIONS
397	Novel Approaches in Fabrication and Integration of Nanowire for Micro/Nano Systems. Critical Reviews in Analytical Chemistry, 2021, , 1-17.	3.5	1
398	The Characterization of Power Supply Noise for Optical Mouse Sensor. Electronics Manufacturing Technology Symposium (IEMT), IEEE/CPMT International, 2006, , .	0.0	0
399	Characterization of Robust Alignment Mark to Improve Alignment Performance. Electronics Manufacturing Technology Symposium (IEMT), IEEE/CPMT International, 2006, , .	0.0	0
400	Alignment Mark Architecture Effect on Alignment Signal Behavior in Advanced Lithography. , 2006, , .		0
401	A simple oxidation technique for quantum dot dimension shrinkage and tunnel barriers generation. Microelectronics Journal, 2008, 39, 727-731.	2.0	0
402	A Silicon-Oxide-Silicon Vertically Separated Electrode Nanogap Device Structure. , 2009, , .		0
403	Pressure Effect on Si Quantum-Dot Potential. , 2009, , .		0
404	Development OF Nanogap Automated Permittivity Measurement System for DNA hybridization detection kit. , 2009, , .		0
405	Electrode design and planar uniformity of anodically etched small area porous silicon. , 2009, , .		0
406	Organic Thin Film Transistor Memories with Carbon Nanodots Fabricated by Focused Ion Beam Chemical Vapor Deposition. , 2009, , .		0
407	Theoretical and Experimental Study Towards Fabrication of Nanogap Dielectric Biosensor by Reversed Spacer Lithography. , 2010, , .		0
408	Fabrication and characterization of a-Si micro and nano-gap structure for electrochemical sensor. , 2010, , .		0
409	The alignment of carbon nano tube between Aluminum electrodes using AC dielectrophoresis method. , 2011, , .		0
410	Probing the pH Measurement of Self-Aligned Polysilicon Nanogap Capacitor. Advanced Materials Research, 2011, 364, 344-347.	0.3	0
411	Fabrication and Characterization of a-Si Micro and Nano-Gap Structure for Electrochemical Sensor. , 2011, , .		0
412	Subnanometer poly-silicon gap structure formation: Comparison study between size expansion and size reduction. , 2012, , .		0
413	Formation of 42 nm polysilicon nanogap structure by using size expansion technique. , 2012, , .		0
414	Statistical parameter evaluation for swing curves for the 1.2 μm and 1.8 μm resist thickness in CMOS photolithography process technology. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
415	Analysis of energy harvesters for powering a wireless sensor node device. , 2012, , .		0
416	Microstructure and polymer choice in microfluidic interfacing for nanoscale biosensing. , 2012, , .		0
417	Optical properties of Zinc doped tin oxide synthesized by mechanochemical processing. , 2012, , .		0
418	Additivity ensures stability of design: Role of orthogonal arrays for process optimization through additive model. , 2012, , .		0
419	Capacitive micro-sensor for the detection of dextrose. , 2012, , .		0
420	Development and application of in-house high voltage power supply for atmospheric pressure plasma treatment system. , 2012, , .		0
421	Silicon nanowire sensor by mix and match lithography process: Fabrication and characterization. , 2012, , .		0
422	Low Resistance Electrical Layer Formation: A Simulation Study of Diffusive Rapid Thermal Process on Implanted Dopant Species for Electronics Active Devices. , 2012, , .		0
423	An Electric Double-Layer Capacitor (EDLC) Production for Optimum Energy Driven Communication System Using Taguchi Technique. , 2012, , .		0
424	Ultrasensitive Poly-Si nanogap based on capacitive sensor for electrochemical detection. , 2012, , .		0
425	Deposition of Titanium dioxide (TiO ₂) thin films using in-house Nano-TiO ₂ Powder. , 2012, , .		0
426	Simulation Study of Non Ionic Implantation Process: Thinner Electrical Interfacial Semiconductor Junction Formation Using Ionic Diffusion Process. , 2012, , .		0
427	Ultra thin polysilicon layer formation: Statistical process optimization by Taguchi's technique. , 2012, , .		0
428	Process-tolerant Surface Acoustic Wave delay lines. , 2012, , .		0
429	Retrieving the Correct Information: Channel Coding Reliability in Error Detection and Correction. , 2012, , .		0
430	Computational micro fluid dynamics using COMSOL multiphysics for sample delivery in sensing domain. , 2012, , .		0
431	Characterization of unipolar nanorectifiers coupled with an RF antenna. , 2013, , .		0
432	Body doping analysis of vertical strained-SiGe Impact Ionization MOSFET incorporating dielectric pocket (VESIMOS-DP). , 2013, , .		0

#	ARTICLE	IF	CITATIONS
433	Potential of urine dielectric properties in classification of stages of breast carcinomas. , 2014, , .		0
434	The impact of scaled channel length in tunneling field effect transistors (TFETs). , 2014, , .		0
435	Nanoscale DNA Sensing-Potential and Prospects. Advanced Materials Research, 0, 925, 486-489.	0.3	0
436	Characterization of Micro-Gap Electrodes Initial Pattern on Resist by Employing High Sensitive and Selective Chrome Mask. Advanced Materials Research, 0, 925, 564-569.	0.3	0
437	Fabrication and characterization of undoped polysilicon nanowire for pH sensor. , 2014, , .		0
438	Fabrication of a CMOS-compatible surface acoustic wave device for application in pathogen sensing. , 2014, , .		0
439	Effects of ethanol in oxalic acid on the synthesis of porous anodic alumina. , 2014, , .		0
440	Fabrication and characterization of ZnO nanorods by hydrothermal growth process for DNA detection. , 2014, , .		0
441	Electrical characterization of aluminum interdigitated electrodes for PH sensing application. , 2014, , .		0
442	New Proposal of Dual Power Supply Source for Rural Stand Alone Solar Photovoltaic Home Electrification System in Malaysia. Applied Mechanics and Materials, 0, 793, 343-347.	0.2	0
443	Physical properties of hydrothermal growth nanostructure metal titanium dioxide. , 2015, , .		0
444	The Field Effect of Concentration DNA on Conductance of Silicon Nanowire. Advanced Materials Research, 2015, 1109, 163-166.	0.3	0
445	Design and Fabrication of Geometrically Enhanced Micromixer for Homogenous Mixing. Advanced Materials Research, 0, 1109, 345-349.	0.3	0
446	Oxide Dissolution Treatment of Porous Anodic Alumina. Advanced Materials Research, 2015, 1109, 73-77.	0.3	0
447	Fabrication of Micro-Gap Structure by Reactive Ion Etching Technique (RIE) for Future Reproductivity of Nanogap Biosensor. Advanced Materials Research, 2015, 1109, 64-68.	0.3	0
448	Synthesis of Porous Anodic Alumina on Aluminium Manganese Alloys. Advanced Materials Research, 0, 1109, 78-82.	0.3	0
449	Simulation based study of poly-silicon nanowire surface for DNA interaction. AIP Conference Proceedings, 2015, , .	0.4	0
450	Optimization on Conventional Photolithography Process of 0.98 μ m Gap Design for Micro Gap Biosensor Application. Applied Mechanics and Materials, 0, 754-755, 524-529.	0.2	0

#	ARTICLE	IF	CITATIONS
451	Reliability lifetime predictions on long term biased humidity reliability of Cu ball bonds. , 2015, , .		0
452	Impact of silicon-body thickness on emulation of double-gate UTBB SOI MOSFETs with different ground plane structures. , 2015, , .		0
453	Microwave irradiation assisted synthesis of silicon carbide nanowhiskers. , 2015, , .		0
454	Impact of high-k dielectric on the digital and analog performance on emulation of double-gate UTBB SOI MOSFETs with different ground plane structures. , 2015, , .		0
455	Analysis of microprocessor system interface with memory. , 2015, , .		0
456	Fabrication and characterization of SAW IDT biosensor for biomolecule detection. , 2015, , .		0
457	Structural and Electrical Properties of Hydrothermal Growth ZnO Nanorods. Advanced Materials Research, 0, 1109, 104-107.	0.3	0
458	Preparation and Characterization of SiO ₂ -Coated TiO ₂ Thin Films via Sol-Gel Dip Coating Technique. Advanced Materials Research, 0, 1109, 148-152.	0.3	0
459	Fast Fourier Transform Analysis of Images of Scanning Electron Microscope of Porous Anodic Alumina. Advanced Materials Research, 0, 1109, 69-72.	0.3	0
460	Investigated Effect of Points Charge of the Receptors on the Conduction of Semiconductor Nanowire. Advanced Materials Research, 2015, 1109, 167-170.	0.3	0
461	Silicon substrate performance on morphological and electrical properties on Zinc Oxide thin films prepared via sol gel method. , 2016, , .		0
462	Study of concentration of HPV DNA probe immobilization for cervical cancer detection based IDE biosensor. AIP Conference Proceedings, 2016, , .	0.4	0
463	Performance comparison for signal amplitude analysis algorithms in nano biosensor application. , 2016, , .		0
464	Design architecture of double spiral interdigitated electrode with back gate electrode for biosensor application. AIP Conference Proceedings, 2016, , .	0.4	0
465	Study of nanoparticles TiO ₂ thin films on p-type silicon substrate using different alcoholic solvents. AIP Conference Proceedings, 2016, , .	0.4	0
466	Automatic peak detection system power analysis using system on a programmable chip (SoPC) methodology. , 2016, , .		0
467	The latest trend in nanobiosensor system architectures. , 2016, , .		0
468	Numerical simulation of underlap FET device architecture for biosensor applications. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
469	UTBB SOI MOSFETs with gate-source/drain underlap and ground plane (GP) structures for analog/RF applications. , 2016, , .		0
470	Impact of gate-source/drain underlap and ground plane (GP) structures towards digital FoM of 25 nm UTBB SOI MOSFETs. , 2016, , .		0
471	FET-based biosensors with back-gate coupling towards the electrical pre-amplification of cardiac troponin I detection. , 2016, , .		0
472	Generation of aptamer for biosensing applications. AIP Conference Proceedings, 2016, , .	0.4	0
473	Investigation on Optimally Performing Sensor Substrates through Bio-fouling of Immunoglobulin-Conjugated Gold Nanoparticles. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2017, 87, 807-814.	1.0	0
474	Improving the affinity of silicon surface for biosensor application: The interaction between multiwall carbon nanotube (MWCNT) and chitosan (CS). AIP Conference Proceedings, 2017, , .	0.4	0
475	Comparison of different methods for extraction and purification of human Papillomavirus (HPV) DNA from serum samples. AIP Conference Proceedings, 2017, , .	0.4	0
476	Effect of different concentration of HPV DNA probe immobilization for cervical cancer detection based IDE biosensor. AIP Conference Proceedings, 2017, , .	0.4	0
477	Development of gas sensing application for formaldehyde gas detection and characterization of tin dioxide. AIP Conference Proceedings, 2017, , .	0.4	0
478	Enhanced sensing based MWCNTs on interdigitated electrode (IDEs) biosensor. AIP Conference Proceedings, 2017, , .	0.4	0
479	Fabrication and characterization of spiral interdigitated electrodes based biosensor for salivary glucose detection. AIP Conference Proceedings, 2017, , .	0.4	0
480	Determination of fixed-potential selection using chronoamperometry analysis by screen-printed carbon electrode for rice tungro bacilliform virus (RTBV) detection. AIP Conference Proceedings, 2017, , .	0.4	0
481	Lab-on-chip components for molecular detection. AIP Conference Proceedings, 2017, , .	0.4	0
482	Drug carrier in cancer therapy: A simulation study based on magnetic carrier substances. AIP Conference Proceedings, 2017, , .	0.4	0
483	Fabrication of microfluidic integrated biosensor. AIP Conference Proceedings, 2017, , .	0.4	0
484	HPV DNA target hybridization concentrations studies using interdigitated electrodes (IDE) for early detection of cervical cancer. AIP Conference Proceedings, 2017, , .	0.4	0
485	Formation of ultra Si/Ti nano thin film for enhancing silicon solar cell efficiency. Journal of Physics: Conference Series, 2017, 908, 012040.	0.4	0
486	Fabrication and characterization of titanium dioxide through different depositions method for detection of formaldehyde gas. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
487	In-House fabrication and Electrical characterization of planner si-nanogap. Journal of Physics: Conference Series, 2017, 908, 012064.	0.4	0
488	Modelling Simulation of Organic and Inorganic Interaction Based on First Principle Calculation. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012090.	0.6	0
489	Arsenic ion Detection via Electron Chemical Reaction Mechanism Based on Interdigitated Electrode (IDE). IOP Conference Series: Materials Science and Engineering, 2018, 454, 012183.	0.6	0
490	The effect of nitric acid oxidation parameters to the structural and electrochemical behavior of multi-walled carbon nanotubes. AIP Conference Proceedings, 2018, , .	0.4	0
491	Identification of probes for biosensing dengue viral serotypes. AIP Conference Proceedings, 2018, , .	0.4	0
492	Identification of conserved and non-served regions among 16S rRNAs for bacterial probe designing. AIP Conference Proceedings, 2018, , .	0.4	0
493	Analysis of conserved and non-served regions in neuraminidase of influenza virus for probe designing. AIP Conference Proceedings, 2018, , .	0.4	0
494	Conserved and non-served regions in herpes simplex viral glycoproteins for probe designing. AIP Conference Proceedings, 2018, , .	0.4	0
495	Mercaptopropyltriethoxysilane (MPTES) Concentration Effect on Selectivity and Electrical Response of Nanostructure. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012184.	0.6	0
496	Fabrication and characterization of TiO ₂ nanoparticles for determination of phosphate buffer saline concentration. , 2018, , .		0
497	Electrical properties of titanium dioxide nanoparticle on microelectrode: Gap size effect. AIP Conference Proceedings, 2018, , .	0.4	0
498	Modified surface of titanium dioxide nanoparticles-based biosensor for DNA detection. AIP Conference Proceedings, 2018, , .	0.4	0
499	Synthesis of ZnO Nanorod using Hydrothermal Technique for Temperature Sensor. , 2019, , .		0
500	Development of Highly Sensitive Interdigitated Electrode (IDEs) Biosensor to Determine Glucose Level using Saliva as Sample. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012206.	0.6	0
501	Titanium dioxide (TiO ₂) nanoparticles on aluminium interdigitated electrodes (Al IDE) for sensitive pH detection. AIP Conference Proceedings, 2020, , .	0.4	0
502	Nano humidity and temperature sensors activated water pump agricultural system. AIP Conference Proceedings, 2021, , .	0.4	0
503	Impact of buried oxide thickness in substrate-gate integrated silicon nanowire field-effect transistor biosensor performance for charge sensing. AIP Conference Proceedings, 2021, , .	0.4	0
504	Quantitative lead (Pb ⁺) ion detection via modified silicon nanowire. AIP Conference Proceedings, 2021, , .	0.4	0

#	ARTICLE	IF	CITATIONS
505	Determination of silicon nanowire mechanical properties by first principle. AIP Conference Proceedings, 2021, , .	0.4	0
506	Study on the effects of anodizing voltage to the AAO thin film dimensional properties synthesized by single step anodization method. , 2021, , .		0
507	The impact of silicon nanowire transducer channel width on field-effect transistor biosensor performance. AIP Conference Proceedings, 2021, , .	0.4	0
508	Electrical Properties of Silicon-Based Nanogap Electrodes for Label-Free Biomolecular Detection. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 156-159.	0.5	0
509	Detection of Squamous Cell Carcinoma Antigen with Micro- and Nanogap Interdigitated Electrodes and Gold Nanoparticles. Micro and Nanosystems, 2017, 9, .	0.6	0
510	Development of voltage amplifier electronic reader using NodeMCU. AIP Conference Proceedings, 2020, , .	0.4	0
511	Fabrication of Integrated Electrode for pH Sensor Application. , 2021, , .		0
512	Capillary Driven Muulti Channels Microfluidic. Journal of Physics: Conference Series, 2021, 2129, 012058.	0.4	0