

CURRICULUM VITAE



A. Personal Details			
Full Name	SURIATI PAIMAN	Title: Associate Prof. Ts Dr.	
	Citizenship MALAYSIAN	Race MALAY	Gender FEMALE
Designation	ASSOCIATE PROFESSOR Ts. DR.	Date of Birth	9 SEPTEMBER 1977

Current Address	Department/Faculty	E-mail Address and URL
SUNGAI MERAB, 43000 KAJANG, SELANGOR	PHYSICS DEPARTMENT, FACULTY OF SCIENCE, UNIVERSITI PUTRA MALAYSIA, 43400 SERDANG, SELANGOR	E-mail: suriati@upm.edu.my

B. Academic Qualification			
Certificate / Qualification obtained	Name of School / Institution	Year obtained	Area of Specialization
Bachelor of Science (Industrial Physics)	UNIVERSITI TEKNOLOGI MALAYSIA	OCT 1999	INDUSTRIAL PHYSICS
Master of Science (Physics)	UNIVERSITI TEKNOLOGI MALAYSIA	21 JAN 2002	THIN FILM PHYSICS
PhD	AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA	2012	III-V COMPOUND SEMICONDUCTOR NANOTECHNOLOGY

C. Honours and Awards				
Name of awards	Title	Award Authority	Award Level	Year
Academic Awards	The Australian National University ANU Vice Chancellor's Travel Grants (2009)	The Australian National University	International	2009
Academic Awards	IEEE LEOS Travel Grants	IEEE Lasers and Electro-optics Society	International	2009
Academic Awards	Exhibition of Invention, Research and Innovation (PRPI 2012)	Universiti Putra Malaysia	University	2012
Non-Academic Awards	High Impact Industry and Community Networking Award (ICAN) 2016	Universiti Putra Malaysia	University	2016
Putra InnoCreative Carnival in Teaching and Learning 2018 (PICTL)	Putra InnoCreative Competition Award (Gold)	Universiti Putra Malaysia	National	2018
Putra InnoCreative Carnival in Teaching and Learning 2018 (PICTL)	Innovative Pedagogy Best InnoCreative in Alternative Assessment (Silver)	Universiti Putra Malaysia	National	2018
Invention, Innovation & Design on e-Learning (IIDEL) 2018	Collaborative of Augmented Reality Mobile Application in Teaching Crystal Structure (Bronze)	IIUM Gombak	International	2018
Invention, Innovation & Design on e-Learning (IIDEL) 2018	Understanding Ph-Junction Concept Through Dam Haji Analogy Method (Bronze)	IIUM Gombak	International	2018
Vice Chancellor's Fellowship Award 2018	Arts and Creativity, Research and Innovation Category	Universiti Putra Malaysia	University	2019

Malaysian Technology Award (MTE2019)	STEM Mentor-Mentee Award (Silver)	National STEM Movement	International	2019
Malaysian Technology Award (MTE2019)	STEM Teaching Innovation Award (Gold)	National STEM Movement	International	2019
Excellent Researcher	<i>Anugerah Penyelidik Bersekutu Cemerlang</i>	Institut Teknologi Maju Universiti Putra Malaysia	University	2020
World Class Professor	World Class Professor 2021	Universiti Sumatera Utara (USU), Indonesia	International	2021
IEEE STEM Champion 2022	TRY Engineering, The Institute of Electrical and Electronics Engineers (IEEE)	The Institute of Electrical and Electronics Engineers (IEEE)	International	2022
35 th International Invention, Innovation, Technology Competition & Exhibition (ITEX'24)	ITEX 2024 Gold Medal – Irradisol (co-researcher)	MOSTI & Malaysian Invention and Design Society	International	2024
8 th International Symposium on Advanced Materials and Nanotechnology (iSAMN2024)	Silver Winner - Synthesis and Optical Properties of metal-oxide frameworks (MOFs) Nanohybrids for photocatalytic dye degradation of wastewater treatment application	National Nanotechnology Centre, MOSTI	International	2024

D. Past Research Project					
Project No.	Project Title	Role	Year	Source of fund	Status
9375000	Investigation of the Parallel Evolving Microstructures and Complex Permittivities of the Grain and Grain Boundaries of Magnesium Titanate and Strontium Titanate Nanocomposites Prepared via Mechanical Alloying and Sol Gel Method	Member	01-09-2012	RUGS (2)	Completed
13-344 RG/MSN/AS_C-UNESCO FR 3240270873	III-V Semiconductor nanowires for optoelectronic device applications	Project leader	07-06-2013	TWAS - The Academy of Sciences for the Developing World USD9000	Completed
9314000	Effect of growth rate on the morphology, crystal structure and optical properties of Au-catalysed InP nanowires	Project Leader	Oct 2011 – Sept 2012	RUGS, RM29000	Completed
5524572	Investigation of hazardous gas sensing properties of nanostructured molybdenum trioxide thin films coated on optical transducer	Member	2014-2016	FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS)	Completed
9412701	Preparation and Characterization of Novel Smart Material, Graphene/PEDOT Nanofiber and Indium Phosphide Nanowires for Sensor Development	Project Leader	2013-2015	IPB-UPM RM164000	Completed
5524429	Growth Of Defect-Free Indium Phosphide Nanowires Via Vapor-Liquid solid (VLS) Mechanism For Photovoltaics	Project leader	2013-2016	FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS), RM86000	Completed
5527188	Detection Of Electrical Signals From The Interaction Of DNA Biomolecules With VLS-Grown Indium Phosphide	Project leader	2013-2016	ERGS, RM140000	Completed

	Nanowire Field-Effect Transistors				
RJ130000.7809.4F443	Current-Voltage Characterization of As-Grown Gallium Arsenide Nanowires using a Conductive Atomic Force Microscopy	Member	2014-2016	FRGS-UTM RM106000	Completed
94567700	Morphology Evolution of Indium Antimonides (InSb) Nanowires by Template-Assisted Electrochemical Deposition	Project leader	1/10/2015-1/10/2017	GP-IPS, RM 9000	Completed
9456800	Deposition and Characterisation of Zinc Oxide Thin Films by RF Magnetron Sputtering for Optical Sensing Applications	Project leader	1/10/2015-1/10/2016	GP-IPS, RM 13000	Completed
5524815	Study on Crosslinked Chitosan Films For Real-Time Heavy Metal Detection System Incorporating Interdigitated Electrode Array	Member	2015-2017	FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS), RM120000	Completed
5540050	Growth of zinc oxide nanowires on RF-sputtered zinc oxide thin films for nanogenerators using microwave-assisted chemical bath deposition	Project leader	15/08/2017-14/08/2019	FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS), RM 79000	Completed
9587900	Empowering Science, Technology, Engineering, and Mathematics (STEM) Education through Semiconductor Nanostructures modules (NanoSem) as Building Blocks for Future electronics	Project leader	15/12/2017-15/12/2019	Geran Putra-UPM, RM 50000	Completed
9437564	Empowerment of Science, Technology, Engineering, and Mathematics (STEM) Education through the STEM Digital Exploration module towards the development of UPMSTEMpreneurship	Project leader	1 Mei 2019 – 30 April 2020	Geran "Knowledge Transfer Grant Scheme" Jaringan Industri Dan Masyarakat (KTGS JINM) RM10000	Completed
UPM	Preparation And Characterization of Carbon Nanotube-Polymer Conductive Ink Printed Electronics	Member	02/04/2018 – 30/04/2021	GP - GERAN PUTRA RM50,000	Completed
UPM	Surface Modification of V2Ox as Hole Transporting Layer for Efficient Solar-Driven Water Splitting Devices	Member	01/02/2019 – 31/10/2021	GP-IPM - GERAN PUTRA INISIATIF PUTRA MUDA RM60,000	Completed
UTM	Electrical Properties Characterization of Zinc Oxide Nanowires by Conductive Atomic Force Microscopy	Member	01/10/2020 – 30/09/2022	Geran Kolaborasi UTM RM56,000.00	Completed
UPM	Modified Optical Fiber and Nanomaterial Coatings for In-situ Surface Enhanced Raman Spectroscopy System	Member	01/12/2020 – 30/11/2023	TRGS RM410,000.00	On-going
MOSTI	IOT & A.I TECHNOLOGY EMPOWERMENT THROUGH RUNLINC EASY PROGRAMMING	Project leader	2022	RM20,000.00	Completed

SKUM UNESCO	DISRUPTIVE TECHNOLOGY EMPOWERMENT PROGRAMMES AMONG UNDERPRIVILEGED STUDENTS	Project leader	Sept 2023-Mar 2024	RM23,155.00	Completed
FRGS 5540630	Enhancing Triboelectric Nanogenerator (TENG) Performance through Surface Modification of the Contact Separation Layer with Polymer-encapsulated Zinc Oxide Nanowires	Project leader	1/10/2023 – 30/9/2026	FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS) RM149,000.00	On-going
Geran Putra Berimpak	OPTIMIZING NICKEL-COPPER-BASED ELECTROCATALYSTS FOR SCALABLE HYDROGEN WATER SPLITTING	Project leader	1/3/2025 – 24/2/2027	GPB, RM 100,000	On-going

E. List of publications – author (s), title, journal, volume, page and year published	
Journal	Ramsundar Sivasubramanian, Chockalingam Aravind Vaithilingam, Suriati Paiman, Ashish Sharma, Indragandhi V, Hybrid Photovoltaics cell with triboelectric nanogenerator: Overcoming energy availability limits and reducing optical scattering losses, Environmental Progress & Sustainable Energy, e70046 Rakib Haider, Suresh Sagadevan, Neda'a Al-Adailah, Is Fatimah, Suriati Paiman, Minh-Vien Le, Mohd Rafie Johan, Sustainable activated carbon derived from coconut shell and betel nuts for energy storage and environmental remediation, Diamond and Related Materials, 154, 112243, 2025 MA Ashwini, Suresh Sagadevan, Is Fatimah, Suriati Paiman, Sumant Upadhyay, Seema Garg, Mohd Rafie Johan, Photocatalytic performance of TiO2/g-C3N4 nanocomposite modified with carbon quantum dots for effective dye degradation: Experiments and DFT studies, Journal of Alloys and Compounds, 1025, 180296, 2025 Idris M. Mustapha, Kolo T. Matthew, Olarinoye I. Oyeleke, Ibrahim Sharifat, Muhammad K. Abdul Karim, Suriati Paiman, The role of ZnO in TeO2 thin films for optical and radiation dosimetry applications, Heliyon, 11(4), e42664, 2025 Muhammad Safwan Zaini, Josephine Ying Chyi Liew, Suriati Paiman, Tan Sin Tee, Mazliana Ahmad Kamarudin, Solvent-Dependent Photoluminescence Emission and Colloidal Stability of Carbon Quantum dots from Watermelon Peels, Journal of Fluorescence, Journal of Fluorescence 35 (1), 245-256 R. Siburian, K. Tarigan, Y.G.O. Manik, F.Hutagalung, Y. Alias, Y.C. Chan, B.P.Chang, J.Siow, J.A.Ong, J.Huang, S. Paiman, B.T.Goh, L. Simatupang, R. Goei, A.Tok, M.F.Z.R Yahya, and F. Bahfie, Converting Candelnut Shell Waste into Graphene for Electrode Applications, Processes 12 (8), 1544, 2024 Il Ajibade, G Babaji, AS Gidado, Suriati Paiman, T Sin Tee, Md Shazly, Abolanle Saheed Adekunle, Examining the variations in the properties of chemically Pulverized carbons from Cocos nucifera across Nigeria's six political zones, Nigerian Journal of Physics, 33 (1), 172-183, 2024 Siti Nurmadiyah Mohd Aris, Zaidatul Hanis Azmi, Shamsu Abubakar, Suresh Sagadevan, Rikson Siburian, Suriati Paiman, Influence of hexamethylenetetramine (HMTA) on the physicochemical characteristics of Zinc Oxide Nanowires by Chemical Bath Deposition, Crystal Research and Technology, 2300075, 2023 Rikson Siburian, Liang Wei Tang, Yatimah Alias, Alfred ling Yoong Tok, Ronn Goei, Crystina Simanjuntak, Kerista Tarigan, Suriati Paiman, Boon Tong Goh, Isa Anshori, Cepi Kurniawan, Coconut waste to green nanomaterial: Large scale synthesis of N-doped graphene nanosheets, Nano-Structures & Nano-Objects, 36, 2023 Shamsu Abubakar, Sin Tee Tan, Josephine Ying Chyi Liew, Zainal Abidin Talib, Ramsundar Sivasubramanian, Aravind CV, Sridhar Sripadmanabhan Indira, Won-Chun Oh*, Rikson Siburian, Suresh Sagadevan, Suriati Paiman *, Controlled growth of semiconducting ZnO nanorods for piezoelectric energy harvesting-based nanogenerators, Nanomaterials, 13 (6), 2023 Rikson Siburian, Ronn Goei, Hana Manurung, Sri Pratiwi Arintonang, Crystina Simanjuntak, Fajar Hutagalung, Isa Anshori, Yatimah Alias, Suriati Paiman, Jon Affi, Alfred ling Yoong Tok, Distribution model of Iron (Fe) on Fe/Graphene Nano Sheets, Ceramics International, 49(17), 2023 Mohammed M Alkhabet, Saad H Girei, Husam K Salih, Rasha Thabit, Mohammed Abdullah Issa, Suriati Paiman, Norhana Arsad, Mohammed Thamer Alreshdeedi, Mohd A Mahdi, Mohd H Yaacob, Room temperature operated hydrogen sensor using palladium coated on tapered optical fiber, Materials Science and Engineering: B, 287, 116092, 2023 R Siburian, S Paiman, F Hutagalung, L Simatupang, R Goei, MM Rusop et. Al, The New Materials for Battery Electrode Prototypes, Materials, 16 (2), 555, 2023

	Adibah Yusof NA, Abdul Karim MK, NM Asikin, S Paiman, Awang Kechik MM, Abdul Rahman, NM Noor, CT reconstruction algorithm and low contrast detectability of phantom study: a systematic review and meta-analysis, <i>Current Medical Imaging</i>, 2022 S Sagadevan, JA Lett, GK Weldegebrail, WC Oh, SF Alshahateet, et al., Photocatalytic degradation of methylene blue dye under direct sunlight irradiation using SnO₂ nanoparticles, <i>Inorganic Chemistry Communications</i>, 109547, 2022 Mohammed Majeed Alkhabet, Zaher Mundher Yaseen, Moutaz Mustafa A Eldirderi, Khaled Mohamed Khedher, Ali H Jawad, Saad Hayatu Girei, Husam Khalaf Salih, Suriati Paiman, Norhana Arsad, Mohd Adzir Mahdi, Mohd Hanif Yaacob, Palladium/Graphene Oxide Nanocomposite for Hydrogen Gas Sensing Applications Based on Tapered Optical Fiber, <i>Materials</i>, 15 (22), 8167, 2022 R Siburian, S Paiman, F Hutagalung, L Simatupang, R Goei, MM Rusop et. Al, Facile method to synthesize of magnesium-graphene nanosheets for candidate of primary battery electrode, <i>Colloid and Interface Science Communications</i> 48, 100612, 2022 ZH Azmi, SN Mohd Aris, S Abubakar, S Sagadevan, R Siburian, S Paiman, Effect of Seed Layer on the Growth of Zinc Oxide Nanowires by Chemical Bath Deposition Method, <i>Coatings</i> 12 (4), 474, 2022 R Siburian, S Paiman, F Hutagalung, L Simatupang, R Goei, MM Rusop et al., Developing Nickel/Graphene Nano Sheets as an alternative primary battery anode, <i>Ceramics International</i>, 2022 J Anita Lett, S Sagadevan, E Léonard, I Fatimah, MA Motalib Hossain, et al., Bone tissue engineering potentials of 3D printed magnesium-hydroxyapatite in polylactic acid composite scaffolds, <i>Artificial Organs</i> 45 (12), 1501-1512, 2021 SAI Jariya, VP Padmanabhan, R Kulandaivelu, N Prakash, F Mohammad et al., Drug delivery and antimicrobial studies of chitosan-alginate based hydroxyapatite bioscaffolds formed by the Casein micelle assisted synthesis, <i>Materials Chemistry and Physics</i> 272, 125019, 2021 R Siburian, S Paiman, F Hutagalung, AMM Ali, L Simatupang, et al., The New Material Battery Based on Mg/C-π Energy Technology 9 (10), 2100453, 2021 S Sagadevan, JA Lett, GK Weldegebrail, WC Oh, SF Alshahateet, et al., Enhanced gas sensing and photocatalytic activity of reduced graphene oxide loaded TiO₂ nanoparticles, <i>Chemical Physics Letters</i> 780, 138897, 2021 S Abubakar, JLY Chyi, ST Tan, S Sagadevan, ZA Talib, S Paiman, Nanoscale domain imaging and the electromechanical response of zinc oxide nanorod arrays synthesized on different substrates, <i>Journal of Materials Research and Technology</i> 14, 2451-2463, 2021 NM Al-Hada, R Md. Kasmani, H Kasim, AM Al-Ghaili, MA Saleh, et al., The Effect of Precursor Concentration on the Particle Size, Crystal Size, and Optical Energy Gap of CexSn1-xO₂ Nanofabrication, <i>Nanomaterials</i> 11 (8), 2143, 2021 R Sivasubramanian, CA Vaithilingam, SS Indira, S Paiman, N Misron, et al., A review on photovoltaic and nanogenerator hybrid system, <i>Materials Today Energy</i> 20, 100772, 2021 NA Ariffin, SNA Mustafa, N Tamchek, S Sagadevan, S Paiman, Influence of Gas Pressure and RF Power on the Structural and Mechanical Properties of Germanium thin Films, DOI: https://doi.org/10.21203/rs.3.rs-285400/v1, 2021 M. N. I. Ghazali, M. A. Izmi, S. S. A. Mustafa, S. Abubakar, M. Husham, S. Sagadevan, S. Paiman, A Comparative Approach on One-Dimensional ZnO Nanowires for morphological and Structural Properties, <i>Journal of Crystal Growth</i>, 558, 125997, 2021. Ramsundar Sivasubramanian, Chockalingam Aravind Vaithilingam, Sridhar Sripadmanabhan Indira, Suriati Paiman, Norhisam Misron, Shamsu Abubakar, A review on Photovoltaic and Nanogenerator Hybrid System, <i>Materials Today Energy</i>, 20, 100772, 2021 S. Balakrishnan, V. P. Padmanabhan, R. Kulandaivelu, T. S. Sankara Narayanan Nellaippan, S. Sagadevan, S. Paiman, F. Mohammad, H.A. Al-Lohedan, P. K. Obulapuram, W. Chun Oh, Influence of iron doping towards the physicochemical and biological characteristics of hydroxyapatite, <i>Ceramics International</i>, 47, 5061–5070, 2021 S. Abubakar, N. Khalid, S.F. Abd Rahman, T. S. Tee, M. N. Hamidon, Z. A. Talib, S. Sagadevan, S. Paiman, Fabrication and characterization of nanostructured zinc oxide on printed microcontact electrode for piezoelectric applications, <i>Journal of Materials Research and Technology</i>, 9 (6), 15952, 2020 Siti Nor Aliffah Mustafa, Nurul Assikin Ariffin, Ahmed Lateef Khalaf, Mohd Hanif Yaacob, Nizam Tamchek, Suresh Sagadevan, Suriati Paiman, Sensing mechanism of an optimized room temperature optical hydrogen gas sensor made of zinc oxide thin films, <i>Journal of Materials Research and Technology</i>, 9 (5), 10624-10634, 2020 S Paiman, T Hui Ling, M. Husham and Suresh Sagadevan, Significant Effect on Annealing Temperature and Enhancement on Structural, Optical and Electrical Properties of Zinc Oxide Nanowires, <i>Results in Physics</i>, 103185, 2020. Suresh Sagadevan, Selvaraj Vennila, Lakshmiopathy Muthukrishnan, K. Gurunathan, Won Chun Oh, Suriati Paiman, Faruq Mohammad, Hamad A. Al-Lohedan, Ainil Hawa Jasni, Is Fatimah, Kuppan Sivarajan & Prasanna Kumar Obulapuram, Exploring the therapeutic potentials of phytomediated silver nanoparticles formed via Calotropis (Ait.) R. Br. root extract, <i>Journal Of Experimental Nanoscience</i>, 15 (1), 217–232, 2020
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Al-Lohedan, Won Chun Oh, Synthesis, characterization and electrical properties of alkali earth metal-doped bioceramics, <i>Materials Chemistry and Physics</i>, 249, 123141-123151, 2020 Suresh Sagadevana, Lakshmipathy Muthukrishnan, Selvaraj Vennila, K. Gurunathan, J.Anita Lett, Suriati Paiman, Faruq Mohammad, Hamad A. Al-Lohedan, Omid Akbarzadeh, and Won Chun Oh, Mechanistic anticarcinogenic efficacy of phytofabricated gold nanoparticles on human lung adenocarcinoma cells, <i>Journal of Experimental Nanoscience</i>, 15 (1), 160-173, 2020 V. Sathya Narayanan, P Varun Prasath, K Ravichandran, D Easwaramoorthy, Zohreh Shahnavaz, Faruq Mohammad, Hamad A Al-Lohedan, Suriati Paiman, Won Chun Oh, Suresh Sagadevan, Schiff-base derived chitosan impregnated copper oxide nanoparticles: An effective photocatalyst in direct sunlight, <i>Materials Science in Semiconductor Processing</i>, 119, 105238, 2020. Varun Prasath Padmanabhan, Subha Balakrishnan, Ravichandran Kulandaivelu, T.S.N Sankara Narayanan, Muthukrishnan Lakshmipathy, Suresh Sagadevan, Faruq Mohammad, Hamad A. Al-Lohedan, Suriati Paiman, and Won Chun Oh, Nanoformulation of core-shell type hydroxyapatite-coated gum acacia towards the biomedical applications of enhanced bioactivity and controlled drug delivery <i>New Journal of Chemistry</i>, 44, 7175 - 7185, 2020 Sridhar Sripadmanabhan Indira, Chockalingam Aravind Vaithilingam, Kok-Keong Chong, R.Saidur, M.Faizal, Shamsu Abubakar, Suriati Paiman, A review on various configurations of hybrid concentrator photovoltaic and thermoelectric generator system, <i>Solar Energy</i>, 201, 122-148, 2020 Osamah Ali Fayyadh, Intan Nur Ain Arifin, Azelah Khairudin, Jumiah Hassan, Shamsu Abubakar, Zainal Abidin Talib, Suriati Paiman, Effect of Conductive Layer Condition on The Morphology of Anodic Aluminum Oxide Template-Assisted Indium Antimonide Nanowires, <i>Journal of Nanoscience and Nanotechnology</i>, 1; 20(5):3157-3163, 2020. Saman Azhari, Mohd Nizar Hamidon, Intan Helina Hassan, Muhammad Asnawi, Alin Azhari, Siti Amaniah Mohd Chachuli, M. Husham, Suriati Paiman, and Haslina Jaafar, A simple method to manipulate Degussa (Evonik) P25 TiO₂ for different applications, <i>Solid State Science and Technology</i>, Vol. 26 (2), 92-96, 2018. Batool Eneaze B. Al-Jumaili, Zainal Abidin Talib, Azmi Zakaria, Asmiet Ramizy, Naser M. Ahmed, Suriati Paiman, Josephine Liew Ying, Ibrahim Muhd, Hussein Baqiah, Impact of ablation time on Cu oxide nanoparticle green synthesis via pulsed laser ablation in liquid media, <i>Applied Physics A</i> (2018) 124:577, 2018. Noradira Suhaime, Masniza Sairi, Zulkifly Abbas*, Nur Biha Mohamed Nafis, Zaulia Othman, Amir Syarifuddeen Mhd Adnan, Amir Redzuan Shamsulkamal, Suriati Paiman and Tity Nazleen Mohamed, Microwave Technique for Moisture Content and pH Determination during Pre- Harvest of Mango cv. Chok Anan, <i>Sains Malaysiana</i> 47(7)(2018): 1571–1578, 2018. M N Maharaz, M K Halimah, S Paiman, N. M Saiden, I M Alibe, Influence of Solvents and Irradiation time on Structural and Optical Properties of Cubic PbS Nanoparticles, <i>Int. J. Electrochem. Sci.</i>, 13 (2018) 9317 – 9332, 2018. AL Khalaf, FS Mohamad, N Abdul Rahman, HN Lim, S Paiman, NA Yusof, MA Mahdi, MH Yaacob, Room temperature ammonia sensor using side-polished optical fiber coated with graphene/polyaniline nanocomposite, <i>Optical Materials Express</i>, 7 (6), 1858-1870, 2017 AL Khalaf, PT Arasu, HN Lim, S Paiman, NA Yusof, MA Mahdi, MH Yaacob, Modified plastic optical fiber with CNT and graphene oxide nanostructured coatings for ethanol liquid sensing, <i>Optics Express</i>, 25 (5), 5509-5520, 2017 S. N. A. Mustafa, N. A. Ariffin, S. Paiman, N. Tamchek and A. H. Shaari, Post-Annealing Effects on the Structural Properties of RF-Sputtered ZnO Thin Films, <i>Journal of Solid State Science and Technology</i>, 25, 1, 2017 N. A. Ariffin, S. N. A. Mustafa, S. Paiman, N. Tamchek, and A. H. Shaari, Effect of Post-Annealing Treatment on The Structural Properties of RF-Sputtered Germanium Thin Films, <i>Journal of Solid State Science and Technology Letters</i>, 17, 2, Arifin, I. N., Khairudin, A., Sulastri, S. H., and Paiman, S. Effect of Deposition Potential on the Structural Properties of Indium Antimonide (InSb) Nanowires in Anodic Alumina Oxide (AAO) Template from Electrodeposition Method. <i>Journal of Solid State Science and Technology Letters</i>, 17, 139-145, 2016 Khairudin, A., and Paiman, S., Effect of Deposition Time on The Morphology And Structural Properties Of Indium Antimonide (InSb) Nanowires By Template Assisted Electrodeposition. <i>Solid State Science and Technology</i>, 24, 275-281, 2016
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