

# FULL PUBLICATION LIST

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## Summary

- Journal Publications: 201
- Conference Papers: 163
- Edited Books/Proceedings/Book Chapters: 19
- Other Academic Publications (including newspaper articles, popular scientific articles etc): 39
- h-Index (Google Scholar): 52
- Total Citation (Google Scholar): 11101

## 1. Journal Publications

- (201) AA Baharuddin, BC Ang, A Haseeb, YH Wong, "Low Operating Temperature N-ZnO/PANI Chemiresistive Acetone Gas Sensor", J Mater Sci: Mat in Electronics, 35 (2024) 87
- (200) Lina Syazwana binti Kamaruzzaman; Yingxin Goh; Zi Ming Chang; A S Md Abdul Haseeb, "Interfacial Reactions in Electrodeposited Cu-Bi-Sn Multilayers", J Mater Sci: Mat in Electronics, , 34 (2023) 1767 [WoS-indexed]
- (199) Muhammad Nasir Bashir, ASMA Haseeb, Sumsun Naher, Muhammad Mahmood Ali, Mohamed Bashir Ali Bashir, Asad A Zaidi, Muhammad Jamshaid, Iqra Javed, "Effects of Cobalt Nanoparticle on Microstructure of Sn58Bi Solder Joint", Journal of Materials Science: Materials in Electronics, 34(4) (2023) 248 [WoS-indexed]
- (198) B Naureen, BC Ang, F Muhamad, A Haseeb, WJ Basirun, "Kappa-Carrageenan Modified Polyurethane Foam Scaffolds for Skeletal Muscle Tissue Engineering", Journal of Polymers and the Environment, 31 (2023) 2653–2667 [WoS-indexed]
- (197) YC Wong, YH Wong, BC Ang, AA Baharuddin, A Haseeb, "Effects of Polymerization Oxidants on the Fabrication of Electrospun PPy/WO<sub>3</sub> Composites", Journal of Materials Science: Materials in Electronics, 34(1) (2023) 33 [WoS-indexed]
- (196) Ee Lynn Lee, Yi Sing Goh, A. S. M. A. Haseeb, Yew Hoong Wong, Mohd Faizul Mohd Sabri & Boon Yew Low, "Electrochemical Migration in Electronic Materials: Factors Affecting the Mechanism and Recent Strategies for Inhibition", Journal of the Electrochemical Society, 170 (2023) 021505 [WoS-indexed]
- (195) Yi Sing Goh, A. S. M. A. Haseeb, Wan Jeffrey Basirun, Yew Hoong Wong, Mohd Faizul Mohd Sabri, Boon Yew Low, "Effects of Concentration of Adipic Acid on the Electrochemical Migration of Tin for Printed Circuit Board Assembly", Journal of Electronic Materials, 52 (2023) 2236–2249 [WoS-indexed]
- (194) M Nasir Bashir, Hafiz Muhammad Saad, Muhammad Rizwan, Sedat Bingol, Iftikhar Ahmed Channa, Mustabshirha Gul, ASMA Haseeb, Sumsun Naher, "Effect of Cobalt Nanoparticles on Mechanical Properties of Sn-58Bi Solder Joint", Journal of Materials Science: Materials in Electronics, 33(28) (2022) 22573-22579 [WoS-indexed]
- (193) M Nasir Bashir, Hafiz Muhammad Saad, Muhammad Rizwan, MM Quazi, Muhammad Mahmood Ali, Arslan Ahmed, Asad A Zaidi, Manzoore Elahi M Soudagar, ASMA Haseeb, Sumsun Naher, "Effects of Tin Particles Addition on Structural and Mechanical Properties of Eutectic Sn–58Bi Solder Joint", Journal of Materials Science: Materials in Electronics 33(28) (2022) 22499-22507 [WoS-indexed]
- (192) Golnoush Zamiri; A. S. M. A. Haseeb, Priyanka Jagadish; Mohammad Khalid, Ing Kong, Syam Krishnan, "Three-Dimensional Graphene-TiO<sub>2</sub>-SnO<sub>2</sub> Ternary Nanocomposite for High-Performance Asymmetric Supercapacitor", ACS Omega, 7(48) 43981–43991 (2022) [WoS-indexed]
- (191) Mahmood Md Arafat, ASMA Haseeb, Shaifulazuar Rozali, Dermot Brabazon, BMA Rahman, Ken TV Grattan, Sumsun Naher, "Synthesis of ZnO and CuO Nanowires by Thermal Oxidation on Metallic Substrates", Key Engineering Materials 926 (2022) 1703-1712
- (190) D. Zhou, A.S.M.A. Haseeb, A. Andriyana, "Mechanical Performance of Advanced Multicomponent Lead-Free Solder Alloy under Thermal Aging", Materials Today Communications 33 (2022) 104430 [WoS-indexed]
- (189) Muhammad Nasir Bashir, A.S.M.A Haseeb, Saif Wakeel, Muhammad Ali Khan, M.M. Quazi, Niaz Bahadur Khan, Arslan Ahmed, Manzoore Elahi M Soudagar, "Effect of Ni and Co Nanoparticle Doped Flux on Microstructure of SAC305 Solder Matrix", Journal of Materials Science: Materials in Electronics (JMSE), 33 (2022) 20106–20120 [WoS-indexed]
- (188) S. Wakeel, A. S. M. A. Haseeb, M. A. Amalina and K. L. Hoon, "Effects of Commercial No-Clean Flux on Reliability of Fine Pitch Flip-Chip Package with Solder Bumps and Copper Pillars", IEEE Transactions on Components, Packaging and Manufacturing Technology, 12(1) (2022) 155-167 [WoS-indexed]

- (187) S. Wakeel, A. S. M. A. Haseeb, M. A. Amalina and K. L. Hoon, "Investigation into Chemistry and Performance of No-Clean Flux in Fine Pitch Flip-Chip Package," IEEE Transactions on Components, Packaging and Manufacturing Technology, 12 (2022) 155-167 [WoS-indexed]
- (186) Muhammad Nasir Bashir and A. S. M. A. Haseeb, 'Grain Size Stability of Interfacial Intermetallic Compound in Ni and Co Nanoparticle Doped SAC305 Solder Joints under Electromigration', Journal of Materials Science: Materials in Electronics, 33 (2022)14240–14248 [WoS-indexed]
- (185) NAA Hussein, HF Hawari, WY Hoong, A Haseeb, "Preparation and Sensing Characterization of Hybrid Iron Oxide/Polyaniline/Reduced Graphene Oxide at Room Temperature", International Journal of Chemical and Biochemical Sciences, 20 (2021) 90-95
- (184) Golnoush Zamiri, A.S. M. A. Haseeb, Syam G. Krishnan, Arshid Numan, Priyanka Jagadish, Mohammad Khalid, 'Ternary Nanocomposite Cathodes Based on 3D Graphene-Ag Nanoparticle-Polyaniline for Hybrid Electrochemical Energy Device', Synthetic Metals, 282 (2021) 116932 [WoS-indexed]
- (183) M. M. Arafat, B. Dinan, A. S. M. A. Haseeb, S. A. Akbar, B. M. A. Rahman, S. Rozali, S. Naher, 'Growth of 1D TiO<sub>2</sub> Nanostructures on Ti Substrates Incorporated with Residual Stress through Humid Oxidation and their Characterizations', Nanotechnology, 32(47) (2021) 17. doi: 10.1088/1361-6528/ac1d77 [WoS-indexed]
- (182) E L Lee, A. S. M. A. Haseeb, W J Basirun, Y H Wong, M F M Sabri, B Y Low, 'In-situ Study of Electrochemical Migration of Tin in the Presence of Bromide Ion', Nature Scientific Reports 11 (1) (2021) 1-15 [WoS-indexed]
- (181) Aainaa Aqilah Baharuddin, Bee Chin Ang, A.S.M.A.Haseeb, Yew Hoong Wong, 'Improvement of N-ZnO Chemiresistive Gas Sensor toward Lower Detection Limit of Acetone and Ethanol at Low Operating Temperature', Materials Letters, 303 (2021) 130562 [WoS-indexed]
- (180) Bushra Naureen, A. S. M. A. Haseeb, W. J. Basirun, Farina Muhamad, 'Synthesis and Degradation of 3D Biodegradable Polyurethane Foam Scaffolds based on Poly (Propylene Fumarate) and Poly[(R)-3-Hydroxybutyrate]', Materials Today Communications, 28 (2021) 102536 [WoS-indexed]
- (179) Saif Wakeel, A. S. M. A. Haseeb, M.A. Afifi, Sedat Bingol, Khoo Ly Hoon, 'Constituents and Performance of No-Clean Flux for Electronic Solder', Microelectronic Reliability 123 (2021) 114177, <https://doi.org/10.1016/j.microrel.2021.114177> [WoS-indexed]
- (178) N. A. M. Zahri, F. Yusof, Y. Miyashita, T. Ariga, A. S. M. A. Haseeb, N. L. Sukiman, 'Effect of Porous Copper Pore Density on Joint Interface: Microstructure and Mechanical Analysis'. Journal of Harbin Institute of Technology (New series). 2021, doi: 10.11916/j.ssn.1005-9113.2020056
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- (176) N. A. M Zahri, F. Yusof, Y. Miyashita, T. Ariga, A. S. M. A. Haseeb, N. L. Sukiman, 'Deformation and Fracture Behaviour of Sandwiched Copper Foam Brazed Joint Interface using Amorphous Copper-Tin-Nickel-Phosphorus Filler', Frontiers in Materials, 8 (2021) 665219, 8:665219. doi: 10.3389/fmats.2021.665219
- (175) Yi Sing Goh, Yingxin Goh, Pay Ying Chia & A. S. M. A. Haseeb, 'Formation and Nanomechanical Properties of Intermetallic Compounds in Electrodeposited Cu–Sn–Co Multilayers', Journal of Materials Science: Materials in Electronics, 32 (2021) 9490–9499 [WoS-indexed]
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- (170) V Inderan, MM Arafat, A. S. M. A. Haseeb, S Kumar, HL Lee, 'Electrospun (Nickel and Palladium) Tin (IV) Oxide/Polyaniline/Polyhydroxy-3-Butyrate Biodegradable Nanocomposite Fibers for Low Temperature Ethanol Gas Sensing', Nanotechnology, 31 (2020) 425503(1-12) [WoS-indexed]
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- (168) M M Arafat, S Rozali, A. S. M. A. Haseeb and S Ibrahim, 'Direct and Catalyst-Free Synthesis of ZnO Nanowires on Brass by Thermal Oxidation', Nanotechnology, 31 (2020) 175603 [WoS-indexed]
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- (162) M. M. Arafat, A. S. M. A. Haseeb, S. Rozali, D. Brabazon, B. M. A. Rahman, K. T. V. Grattan, S. Naher, '*Synthesis of n-type ZnO and p-type CuO Nanowires by Thermal Oxidation on Metallic Substrates for Various Applications*', 25th International Conference on Material Forming, ESAFORM 2022, Braga, Portugal, 27-29 April, 2022
- (161) M. M. Arafat, A. S. M. A. Haseeb, D. Brabazon, B. M. A. Rahman, K. Grattan, S. Naher, '*Metal Oxide Based Chemiresistive Breath Sensors for Detection and Management of Diabetes*', Breath Biopsy Conference 2021, Digital, Owlstone Medical, UK, 12-13 Oct 2021
- (160) A.S.M.A. Haseeb, Yi Sing Goh, Ee Lynn Lee1, Saif Wakeel, '*Chemically Induced Reliability Issues in Electronic Packages in the Presence of Contaminants*', Invited paper at 2021 Materials Research Society-Taiwan International Conference (2021 MRSTIC), 13 – 17 Nov. 2021 [Virtual Conference]
- (159) A. S. M. A. Haseeb, Ee Lynn Lee, Yi Sing Goh, Y. H. Wong, M. F. M. Sabri, B. Y. Low, '*Effects of Bromide and Adipic Acid on Electrochemical Migration of Tin*', Phase Stability, Phase Transformations, and Reactive Phase Formation in Electronic Materials XX, 2021 TMS Annual Meeting & Exhibition, 15-18 Mar 2021 [Virtual Conference]
- (158) M. M. Arafat, A. S. M. A. Haseeb, S. Naher, '*Novel Environmental Gas Sensors using TiO<sub>2</sub> Based Nanostructures*', Virtual conference, The City and Complexity – Life, Design and Commerce in the Built Environment, 17th - 19th June 2020, City University London, UK
- (157) B Naureen, A. S. M. A. Haseeb, WJ Basirun, FB Muhamad, '*Synthesis, Characterization and Antioxidant*

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- (155) Yi Sing Goh, A. S. M. A. Haseeb, Y. H. Wong, M. F. M. Sabri, B. Y. Low, *Effect of Varying Voltage and Concentration of Adipic Acid on Electrochemical Migration of Tin*, 4th International Conference on the Science and Engineering of Materials (ICoSEM2019), Kuala Lumpur, Malaysia, 26 - 28 August 2019
- (154) Ee Lynn Lee, A. S. M. A. Haseeb, Y. H. Wong, M. F. M. Sabri, B. Y. Low, *In-Situ Study of Electrochemical Migration of Tin in Presence of Bromide Ion*, 4th International Conference on the Science and Engineering of Materials (ICoSEM2019), Kuala Lumpur, Malaysia, 26 - 28 August 2019
- (153) A. S. M. A. Haseeb, M. Nasir Bashir, G. K. Sujana, M. M. Arafat, S. L. Tay, Y. M. Leong, *Reactive Dissolution of Metallic Nanoparticles during Reflow and Its Effects on Microstructure and Properties of Lead Free Solder Joints*, Invited Paper presented at TMS 2019 Annual Meeting, The Minerals, Metals and Materials Society (TMS), USA, Symposium on Phase Stability, Phase Transformations, and Reactive Phase Formation in Electronic Materials XVIII, 10-14 March, 2019, San Antonio, TX, USA
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- (138) P.Y. Chia and A. S. M. A. Haseeb, *Reactions in Nanolayered Cu/Sn and Cu/Ni/Sn systems for ultra-small*

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- (121) Shutesh Krishnan, A.S.M.A Haseeb, Mohd. Rafie, ‘*Fabrication of One-dimensional CuO Nanocrystals via Pulsed Wire Explosion: Structural, Optical and Electronic Characterizations*’, 14th International Conference on Electronic Materials and Packaging (EMAP), 13 Dec - 16 Dec 2012, Hong Kong
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