REFERENCES

- Buraidah, M. H., & A. K. Arof., 2011. Characterization of chitosan/PVA blended electrolyte doped with NH₄I. J. Non-crystal Solids
- Can-Yong Jhu, Yih-Wen Wang, 2011. Thermal explosion hazards on 18650 lithium ion batteries with a VSP2 adiabatic calorimeter.
- Chai, M.N., Isa, M.I.N., 2016. Novel Proton Conducting Solid Bio-polymer Electrolytes Based on Carboxymethyl Cellulose Doped with Oleic Acid and Plasticized with Glycerol.
- Chai, M.N., Isa, M.I.N., 2016. Structural and Ionic Transport Properties of Protonic Conducting Solid Biopolymer Electrolytes Based on Carboxymethyl Cellulose Doped with Ammonium Fluoride
- Chandra, A. and Chandra, S. in Solid State Ionics, 1992. Material and Applications, (eds.)
- Chang-hsiu Chen, John C. LaRue and Richard D. Nelson, 2011. Electrical Conductivity of Polymer Blends of Poly(3,4- ethylenedioxythiophene): Poly(styrenesulfonate): N-Methyl-2-pyrrolidinone and Polyvinyl Alcohol
- Chris.B, 2001. The Relationship Between Loss, Conductivity, and Dielectric Constant
- Emily James, 2013. Lithium Sulfer batteries ready to go the Distance
- Freemantle, Michael, 2009. An Introduction to Ionic Liquids.
- Finkenstadt, V.L., 2005. Natural polysaccharides as electroactive polymers, Appl. Microbiol. Biotechnol.
- Gert R. Strobl, 1996. The Physics of Polymers Concepts for Understanding Their Structures and Behavior. Springer-Verlag.
- Hafiza, M.N, & Isa, M.I.N., 2014. Ionic Conductivity and conduction mechanism study of CMC-Chitosan biopolymer blend electrolytes.
- Harun, N, I, Ali, R, M., & Yahya, M.Z.A., 2012. Dielectric behavior of cellulose acetate-based polymer electrolytes.
- Hazlizaaini, N.B., Mohamed, N.S., 2009. Conductivity Studies and Dielectric Behaviour of PVDF-HFP-PVC-LiCo₄ Solid Polymer Electrolyte

- Idris, N.K, Aziz,N.N., Zambri, M.S.M., Zakaria, N.A., & Isa, M.I.N., 2009. Ionic conductivity studies of chitosan-based polymer electrolytes doped adipic acid.
- Jinfang Zhang, Cheng Ma, Jiatu Liu, Libao Chen, Anqiang Pan, Weifeng Wei, 2015. Solid polymer electrolyte membranes based on organic/inorganic nanocomposites with star-shaped structure for high performance lithium ion battery.
- Josh Clark, 2007. "Is your vinyl siding killing you?"
- Kamarudin, K.H, & Isa, M.I.N., 2013. Structural and DC ionic conductivity studies of carboxy methylcellulose doped with ammonium nitrate as solid polymer electrolytes. Int. J. Phys. Sci, 8(31), 1581-1587.
- Khiar, A.A., & Arof, A.K., 2010. Conductivity studies of starch-based polymer electrolytes. Ionics, 16(2), 123-129.
- Kim, C.S., Seung, M., 2001. Performance of gel-type polymer electrolytes according to the affinity between polymer matrix and plasticizing solvent molecules
- Kleemann, J., Finsterwalder, F., & Tillmetz W., 2009. Characterisation of mechanical behavior and coupled electrical properties of polymer electrolyte membrane fuel cell gas diffusion layers. Journal of Power sources, 190(1), 92-102
- Kumar,M and S.S. Sekhon, 2002. Role of plasticizer's dielectric constant on conductivity modification of PEO-NH4F polymer electrolytes. Eur. Polymer. J., 38: 1297-1304.
- Liu, Zhai, Li,J.Q., 2002. Radiation preparation and swelling behavior of sodium carboxymethyl cellulose hydrogels
- M. A. Ramlli and M. I. N. Isa., 2016. Structural and Ionic Transport Properties of Protonic Conducting Solid Biopolymer Electrolytes Based on Carboxymethyl Cellulose Doped with Ammonium Fluoride
- Malavika, C.R., 2004. Environmental Effects Associated with Battery Disposal.
- Manuel Stephan, A., 2005. Review on gel polymer electrolytes for lithium batteries.
- Martin Chaplin, 2006. Water Structure and Science-Carboxymethyl Cellulose
- Miller, C.A., 2015. Energy Resources and Policy: Vulnerability of Energy Resources and Resource Availability Fossil Fuels (Oil, Coal, Natural Gas, Oil Shale).
- Mobarak, N.N., Ramli, N., 2012. Chemical interaction and conductivity of carboxymethyl k-carrageenan based green polymer electrolyte, Solid State Ionics

- Noor, N.A.M. and Isa, M.I.N., 2015. Ionic Conductivity and Dielectric Properties of CMC Doped NH₄SCN Solid Biopolymer Electrolytes
- O'Dell, John, 2008. Fledgling Battery Company Says Its Technology Boosts Hybrid Battery Performance Green Car Advisor; Edmunds Inc
- Pawlicka, A. and Donoso, J.P., 2014. Polymer electrolytes based on natural polymers
- Ramesh, S., & Ng, H.M., 2013. An investigation on PAN-PVC-LiTFSI based polymer electrolytes system
- Rani, M.S.A., Mohamed, N.S., Isa, M.I.N., 2015. Characterization of Proton Conducting Carboxymethyl cellulose/Chitosan Dual-blend Based Biopolymer Electrolytes
- Rinaudo, M., Pavlov, G., Desbrieres, J., 1999. Influence of acetic acid concentration on the solubilization of chitosan
- Rozali, M. L. H., Samsudin, A. S., & Isa, M.I.N., 2012. Ion conducting mechanism of carboxy methylcellulose doped with ionic dopant salicylic acid based solid polymer electrolytes. International Journal of Applied, 2(4).
- Samsudin, A.S, Khairul, W.M., & Isa, M.I.N., 2012. Characterization on the potential of carboxy methylcellulose for application as proton conducting biopolymer electrolytes. Journal of Non-crystalline Solids, 358(8),1104-1112.
- Samsudin, A. S., Lai, H. M., & Isa, M.I.N., 2014. Biopolymer materials based carboxymethyl cellulose as a proton conducting biopolymer electrolyte for application in rechargeable proton battery. Electrochemica Acta, 129, 1-13.
- Selvasekarapandian, S., Hema, M., Hirankumar, G., Sakunthala, A., Arunkumar, D. & Nithya, H. 2010. Laser Raman and AC Impedance Spectroscopic Studies of PVA:NH4NO₃ Polymer Electrolyte.
- Sequeira, C.A.C. and Santos, D.M.F., 2014. Introduction to Polymer Electrolyte Material
- Sharma, R.K., Rastogi, A.C., Desu, S.B., 2006. Pulse polymerized polypyrrole electrodes for high energy density electrochemical supercapacitor
- Shukur, M.F., & Kadir, M.F.Z., 2015. Electrical characterization of NH₄Br-doped cornstarch-based biopolymer electrolyte
- Shukur, M.F., & Kadir, M.F.Z., 2014. Electrical and transport properties of NH₄Br-doped cornstarch-based solid biopolymer electrolyte
- Siemann, U., 2005. Solvent Cast Technology-A Versatile Tool for Thin Film Production. Program Colloid Polymer Sciences 130:1-14.

- Sit, Y.K., Samsudin, A.S., & Isa, M.I.N., 2012. Ionic Conductivity Study on Hydroxyethyl Cellulose (HEC) doped with NH₄Br Based Biopolymer Electrolytes.
- Tahsin Görgülü, Merve Torun, Abdulkerim Olgun, 2015. A cause of severe thigh injury: Battery explosion
- Taib, N.U. and Idris, N.H., 2014. Plastic crystal—solid biopolymer electrolytes for rechargeable lithium batteries
- Tranquilan-Aranilla, C. Nagasawa, N. Bayquen, A. Dela Rosa., 2012. Synthesis and characterization of carboxymethyl derivatives of kappa-carrageenan
- Vito Di Noto, Sandra, Guinevere, A.G., 2011. Polymer electrolytes: Present, past and future
- Woo, H.J., Majid, S.R., & Arof, A.K. (2013). Effect of ethylene carbonate on proton conducting polymer electrolyte based on (ε-caprolactone)(PCL)
- Xiao, R., Li, H., 2015. High-throughput design and optimization of fast lithium ion conductors by the combination of bond-valence method and density functional theory
- Yasmin, A.B., Hafiza, Isa. M.I.N., 2014. Electrical Studies of Carboxy Methycellulose-Chitosan Blend Biopolymer Doped Dodecyltrimethyl Ammonium Bromide Solid Electrolytes
- Zhu Yusong & S.Y. Xiao., 2015. Natural macromolecule based carboxymethyl cellulose as a gel polymer electrolyte with adjustable porosity for lithium ion batteries
- Zulaikha, M.J., Samsudin, A.S., 2016. New Hybrid Biopolymer Based on CMC/Kappa Carrageenan for Application as Electrolytes System