

เอกสารอ้างอิง

1. Glasstone, S., 1974, **An introduction to Electrochemistry**, Litton educational, India, p. 11.
2. Miaoa, R., Liua, B., Zhua, Z., Liua, Y., Lia, J., Wanga X. and Li, Q., 2008, “PVDF-HFP-based Porous Polymer Electrolyte Membranes for Lithium-Ion Batteries” , **Journal of Power Sources**, Vol. 184, No. 2, pp. 420-426.
3. Kim, M. R., Park, S. H., Kim, J. U. and Lee, J. K., 2011, “Dye-Sensitized Solar Cells based on Polymer Electrolyte” , in **Solar Cells-Dye-Sensitized Devices**, Kosyachenko, L. A., InTech, pp. 223-244.
4. Dias, F. B., Plomp, L. and Veldhuis, J. B. J., 2000, “Trends in Polymer Electrolytes for Secondary Lithium Batteries” , **Journal of Power Sources**, Vol. 88, No. 2, pp. 169-191.
5. Martineau, D., 2010, **Dye Solar Cells for Real** [Online], Available : http://www.cypress-international.com/sx/img/sn_dye_solar_cells_for_real.pdf [2014, October 14].
6. Promarak, V., Sudyoadsuk, T., Saengsuwan, S. and Keawin, T., 2007, “Dye-Sensitized Solar Cells (DSSCs)” , **Journal of Ubon Ratchathani University**, Vol. 9, No. 2, pp. 14-31.
7. Anonymous, 2013, **What are Lithium Ion Batteries ? What are its Advantages and Disadvantages ?** [Online], Available : <http://swapsushias.blogspot.com/2013/05/into-world-of-rechargeable-power.html#.VHKrKNKsVDJ>. [2014, October 14].
8. Stergiopoulos, T., Arabatzis, I. M., Katsaros, G. and Falaras, P., 2002, “Binary Polyethylene Oxide/Titania Solid-State Redox Electrolyte for Highly Efficient Nanocrystalline TiO₂ Photoelectrochemical Cells” , **Nano Letters**, Vol. 2, No. 11, pp. 1259-1261.
9. Stephan, A. M. and Nahm, K. S., 2006, “Review on Composite Polymer Electrolytes for Lithium Batteries Polymer” , **Polymer**, Vol. 47, No. 16, pp. 5952-5964.

10. Rao, M., Geng, X., Liao, Y., Hu, S. and Li, W., 2012, "Preparation and Performance of Gel Polymer Electrolyte based on Electrospun Polymer Membrane and Ionic Liquid for Lithium Ion Battery", **Journal of Membrane Science**, Vol. 399-400, pp. 37-42.
11. Agrawal, R. C. and Pandey, G. P., 2008, "Solid Polymer Electrolytes: Materials designing and All-Solid-State Battery Applications: An Overview", **Journal of Physics D: Applied Physics**, Vol. 41, No. 22, pp. 1-4.
12. Kim, K. M., Ryu, K. S., Kang, S. G., Chang, S. H. and Chung, I. J., 2001, "The Effect of Silica Addition on the Properties of Poly((vinylidene fluoride)-co-hexafluoropropylene) -based Polymer Electrolytes", **Macromolecular Chemistry and Physics**, Vol. 202, No. 6, pp. 866-872.
13. Saikia, D. and Kumar, A., 2004, "Ionic Conduction in P(VDF-HFP)/-(PC+DEC)-LiClO₄ Polymer Gel Electrolytes", **Electrochimica Acta**, Vol. 49, No. 16, pp. 2581-2589.
14. Kim, K. M., Kim, J. C. and Ryu, K. S., 2006, "Characteristics of PVdF-HFP/TiO₂ Composite Electrolytes Prepared by a Phase Inversion Technique Using Dimethyl Acetamide Solvent and Water Non-Solvent", **Macromolecular Materials and Engineering**, Vol. 291, No. 12, pp. 1495-1502.
15. Raghavana, P., Zhao, X., Manuel, J., Shin, C., Heo, M. Y., Ahn, H. J., Ryu, H. S., Ahn, H. J., Noh, J. P. and Cho, G. B., 2010, "Electrochemical Studies on Polymer Electrolytes based on Poly(vinylidene fluoride-co-hexafluoropropylene) Membranes Prepared by Electrospinning and Phase Inversion - A Comparative Study", **Materials Research Bulletin**, Vol. 45, No. 3, pp. 362-366.
16. Choi, B. K., Kim, Y. W. and Shin, K. H., 1997, "Effects of Ceramic Fillers on the Electrical Properties of (PEO)₁₆LiClO₄ Electrolytes", **Journal of Power Sources**, Vol. 68, No.2, pp. 357-360.

17. Song, J., Lu, C., Xu, D., Ni, Y., Liu, Y., Xu, Z. and Liu, J., 2010, "The Effect of Lanthanum Oxide (La_2O_3) on the Structure and Crystallization of Poly(vinylidene fluoride)", **Polymer International**, Vol. 59, No. 7, pp. 954-960.
18. Xiao, W., Li, X. H., Guo, H. J., Wang, Z. X., Yang, B. and Wu, X. W. W., 2012, "Preparation and Properties of Composite Polymer Electrolyte Modified with Nano-Size Rare Earth Oxide" **Journal of Central South University**, Vol. 19, No. 12, pp. 3378-3384.
19. Zhou, Y. F., Xie, S. and Chen, C. H., 2006, "In-Situ Thermal Polymerization of Rechargeable Lithium Batteries with Poly(methyl methacrylate) based Gel-Polymer Electrolyte", **Journal of Materials Science**, Vol. 41, No. 22, pp. 7492-7497.
20. Stephan, A. M., 2008, "Review on Gel Polymer Electrolytes for Lithium Batteries", **European Polymer Journal**, Vol. 42, No. 1, pp. 21-42.
21. Yang, M. and Hou, J., 2012, "Membranes in Lithium Ion Batteries", **Membranes**, Vol. 2, No. 3, pp. 367-383.
22. Priya, A. R., Subramania, A., Jung, Y. S. and Kim, K. J., 2008, "High Performance Quasi-Solid-State Dye-Sensitized Solar Cell Based on An Electrospun PVdF-HFP Membrane Electrolyte", **Langmuir**, Vol. 24, No. 17, pp. 9816-9819.
23. Kim, J.U., Park, S. H., Choi, H. J., Lee, W. K., Lee, J. K. and Kim, M. R., 2009, "Effect of Electrolyte in Electrospun Poly(vinylidene fluoride-co-hexafluoropropylene) Nanofibers on Dye-sensitized Solar Cells", **Solar Energy Materials and Solar Cells**, Vol. 93, No. 6, pp. 803-807.
24. Raghavan, P., Zhao, X., Kim, J. K., Manuel, J., Chauhan, G. S., Ahn, J. H. and Nah C., 2008, "Ionic Conductivity and Electrochemical Properties of Nanocomposite Polymer Electrolytes based on Electrospun Poly(vinylidene fluoride-co-hexafluoropropylene) with Nano-Sized Ceramic Fillers", **Electrochimica Acta**, Vol. 54, No. 2, pp. 228-234.

25. สุรวุฒิ ช่างโชติ, 2013, **มารู้จักเซลล์แสงอาทิตย์กันเถอะ** [Online], Available : <http://www.kmutt.ac.th/hynae/รู้จักเซลล์แสงอาทิตย์/> [2014, October 14].
26. ทวีศักดิ์ ภูชัย, 2555, **เซลล์สุริยะชนิดสีย้อมไวแสง: การเลียนธรรมชาติเพื่ออนาคตด้านพลังงานสีเขียว** [Online], Available : <https://www.gotoknow.org/posts/570688> [2014, October 14].
27. วิณิช พรมอารักษ์, ทวีศักดิ์ สุกขอดสุข, สายันต์ แสงสุวรรณ และ ทินกร แก้วอินทร์, 2550, “เซลล์แสงอาทิตย์ชนิดสีย้อมไวแสง”, วารสารวิชาการ มหาวิทยาลัยอุบลราชธานี, ปีที่ 9, ฉบับที่ 2, หน้า 14-31.
28. Anonymous, 2010, **Classification of Solar Cell Technologies** [Online], Available : http://sovoxglobal.com/cell_classification.html [2014, October 14].
29. Shah, A., 2009, **The Chronic Engineer** [Online], Available : http://chronicengineer.blogspot.com/2009_12_01_archive.html [2014, October 14].
30. Mathew, S., Yella, A., Gao, P., Humphry-Baker, R., Curchod, B. F. E., Ashari-Astani, N., Tavernelli, I., Rothlisberger, U., Nazeeruddin, M. K. and Grätzel, M., 2014, “Dye-Sensitized Solar Cells with 13% Efficiency Achieved Through the Molecular Engineering of Porphyrin Sensitizers”, **Nature Chemistry**, Vol. 6, pp. 242-247.
31. Peach, M., 2013, **Heliatek Achieves 12% Organic Solar Cell Efficiency** [Online], Available : <http://optics.org/news/4/1/36> [2014, October 14].
32. สุรวุฒิ ช่างโชติ, 2013, **เซลล์แสงอาทิตย์ชนิดสารอินทรีย์** [Online], Available : <http://www.kmutt.ac.th/hynae/โซลาร์เซลล์สารอินทรีย์/> [2014, October 14].
33. O'Regan, B. and Grätzel, M., 1991, “A Low-Cost, High-Efficiency Solar Cell based on Dye-Sensitized Colloidal TiO₂ Films”, **Nature**, Vol. 353, pp. 737-740.
34. สุรวุฒิ ช่างโชติ, 2013, **เซลล์แสงอาทิตย์ชนิดสีย้อมไวแสง** [Online], Available : <http://www.kmutt.ac.th/hynae/สีย้อมไวแสง/> [2014, October 14].

35. Samarn, 2552, ส่วนประกอบของ **Dye Sensitized Solar Cells** [Online], Available : <http://dyesolarcells-kku.blogspot.com/2009/04/dye-sensitized-solar-cells.html> [2014, October 14].
36. Kay, A. and Grätzel, M., 1996, “Low Cost Photovoltaic Modules based on Dye Sensitized Nanocrystalline Titanium Dioxide and Carbon Powder”, **Solar Energy Materials and Solar Cells**, Vol. 44, No. 1, pp. 99-117.
37. Grätzel, M., 2004, “Conversion of Sunlight to Electric Power by Nanocrystalline Dye-Sensitized Solar Cells”, **Journal of Photochemistry and Photobiology A: Chemistry**, Vol. 164, No. 1-3, pp. 3-14.
38. กมลพรรณ ชุมพล, 2012, “หลักการวัดและวิเคราะห์ประสิทธิภาพของเซลล์แสงอาทิตย์ชนิดสีย้อมไวแสงด้วยวิธีการทางแสง”, **Metrology Info**, ปีที่ 14, ฉบับที่ 68, หน้า 14-17.
39. มะลิ หุ่นสม, 2555, เซลล์เชื้อเพลิงฟือเอมและการวิเคราะห์เชิงเคมีไฟฟ้า, สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย, กรุงเทพฯ, หน้า 161-227.
40. Anonymous, 2014, **Basics of Electrochemical Impedance Spectroscopy** [Online], Available : <http://www.gamry.com/application-notes/basics-of-electrochemical-impedance-spectroscopy/>. [2014, December 20].
41. Yuan, X. Z., Song, C., Wang, H. and Zhang, J., 2010, **Electrochemical Impedance Spectroscopy in PEM Fuel Cells**, Springer-Verlag, London, pp. 139-180.
42. Barsoukov, E. and Macdonald, J. R., 2005, **Impedance Spectroscopy Theory, Eepiment and Applications**, 2nd ed., John Wiley & Sons, Inc., Hoboken, New Jersey, pp. 2-6.
43. Anonymous, 2007, **Impedance Spectroscopy** [Online], Available : <http://www.issp.ac.ru/llds/en/methods/impedance.html>. [2014, December 20].

44. Wu, J., Lan, Z., Hao, S., Li, P., Lin, J., Huang, M., Fang, L. and Huang, Y., 2008, "Progress on the Electrolytes for Dye-Sensitized Solar Cells", **Pure and Applied Chemistry**, Vol. 80, No. 11, pp. 2241-2258.
45. Nogueira, A.F., Longo, C. and De Paoli, M. A., 2004, "Polymers in Dye Sensitized Solar Cells: Overview and Perspectives", **Coordination Chemistry Reviews**, Vol. 248, No. 13-14, pp. 1455-1468.
46. Liu, Y., Hagfeldt, A., Xiao, X. R. and Lindquist, S. E., 1998, "Investigation of Influence of Redox Species on the Interfacial Energetics of A Dye-Sensitized Nanoporous TiO₂ Solar Cell", **Solar Energy Materials and Solar Cells**, Vol. 55, No. 3, pp. 267-281.
47. Toivola, M., Ahlskog, F. and Lund, P., 2006, "Industrial Sheet Metals for Nanocrystalline Dye-Sensitized Solar Cell Structures", **Solar Energy Materials and Solar Cells**, Vol. 90, No. 17, pp. 2881-2893.
48. Oskam, G., Bergeron, B.V., Meyer, G. J. and Searson, P.C., 2001, "Pseudohalogens for Dye-Sensitized TiO₂ Photoelectrochemical Cells", **The Journal of Physical Chemistry B**, Vol. 105, No. 29, pp. 6867-6873.
49. Wang, P., Zakeeruddin, S. M., Moser, J. E. and Grätzel, M., 2003, "A New Ionic Liquid Electrolyte Enhances the Conversion Efficiency of Dye-Sensitized Solar Cells", **The Journal of Physical Chemistry B**, Vol. 107, No. 48, pp. 13280-13285.
50. Marszalek, M., Arendse, F. D., Decoppet, J. D., Babkair, S. S., Ansari, A. A., Habib, S. S., Wang, M., Zakeeruddin, S. M. and Grätzel, M., 2014, "Ionic Liquid–Sulfolane Composite Electrolytes for High-Performance and Stable Dye-Sensitized Solar Cells", **Advanced Energy Materials**, Vol. 4, No. 6, pp. 1-8.
51. Wang, H., Li, H., Xue, B., Wang, Z., Meng, Q. and Chen, L., 2005, "Solid-State Composite Electrolyte LiI/3-Hydroxypropionitrile/SiO₂ for Dye-Sensitized Solar Cells", **Journal of the American Chemical Society**, Vol. 127, No. 17, pp. 6394-6401.

52. Li, B., Wang, L., Kang, B., Wang, P. and Qiu, Y., 2006, "Review of Recent Progress in Solid-State Dye-Sensitized Solar Cells", **Solar Energy Materials and Solar Cells**, Vol. 90, No. 5, pp. 549-573.
53. Kumara, G. R. R. A., Konno, A., Senadeer, G. K. R., Jayaweera, P. V. V., De Silvab, D. B. R. A and Tennakone, K., 2001, "Dye-Sensitized Solar Cell with the Hole Collector p-CuSCN Deposited from a Solution in N-Propyl Sulphide", **Solar Energy Materials & Solar Cells**, Vol. 69, No. 2, pp. 195-199.
54. O'Regan, B. and Schwartz, D. T., 1998, "Large Enhancement in Photocurrent Efficiency Caused by UV Illumination of the Dye-Sensitized Heterojunction $\text{TiO}_2/\text{RuLL'NCS/CuSCN}$: Initiation and Potential Mechanisms", **Mechanisms Chemistry of Materials**, Vol. 10, No. 6, pp. 1501-1509.
55. Tennakone, K., Perera, V. P. S., Kottegoda, I. R. M. and Kumara, G. R. R. A., 1999, "Dye-Sensitized Solid State Photovoltaic Cell based on Composite Zinc Oxide/Tin (IV) Oxide Films", **Journal of Physics D: Applied Physics**, Vol. 32, No. 4, pp. 374-379.
56. Bach, U., Lupo, D., Comte, P., Moser, J. E., Weissörtel, F., Salbeck, J., Spreitzer, H. and Grätzel, M., 1998, "Solid-State Dye-Sensitized Mesoporous TiO_2 Solar Cells with High Photon-to-Electron Conversion Efficiencies", **Nature**, Vol. 395, pp. 583-585.
57. Kruger, J., Plass, R., Grätzel, M. and Matthieu, H. J., 2002, "Improvement of the Photovoltaic Performance of Solid-State Dye-Sensitized Device by Silver Complexation of the Sensitizer Cis-bis(4,4'-dicarboxy-2,2'-bipyridine)-bis(isothiocyanato) Ruthenium(II)", **Applied Physics Letters**, Vol. 81, No. 2, pp. 367-369.
58. Wang, P., Dai, Q., Zakeeruddin, S. M., Forsyth, M., MacFarlane, D. R. and Grätzel, M., 2004, "Ambient Temperature Plastic Crystal Electrolyte for Efficient, All-Solid-State Dye-Sensitized Solar Cell", **Journal of the American Chemical Society**, Vol. 126, No. 42, pp. 13590-13591.

59. Song, J. Y., Wang, Y. Y. and Wan, C. C., 1999, "Review of Gel-Type Polymer Electrolytes for lithium-Ion Batteries", **Journal of Power Sources**, Vol. 77, No. 2, pp. 183-197.
60. Dissanayake, M. A. K. L., Bandara, L. R. A. K., Bokalawala, R. S. P., Jayathilaka, P. A. R. D., Ileperuma, O. A. and Somasundaram, S., 2002, "A Novel Gel Polymer Electrolyte based on Polyacrylonitrile (PAN) and its Application in a Solar Cell", **Materials Research Bulletin**, Vol. 37, No. 5, pp. 867-874.
61. Vondrák, J., Sedlářková, M., Velická, J., Klapště, B., Novák, V. and Reiter, J., 2001, "Gel Polymer Electrolytes based on PMMA", **Electrochimica Acta**, Vol. 46, No. 13-14, pp. 2047-2048.
62. Cao, F., Oskam, G. and Searson, P. C., 1995, "A Solid State, Dye Sensitized Photoelectrochemical Cell", **The Journal of Physical Chemistry**, Vol. 99, No. 47, pp. 17071-17073.
63. Kubo, W., Murakoshi, K., Kitamura, T., Yoshida, S., Haruki, M., Hanabusa, K., Shirai, H., Wada, Y. and Yanagida, S., 2001, "Quasi-Solid-State Dye-Sensitized TiO₂ Solar Cells: Effective Charge Transport in Mesoporous Space Filled with Gel Electrolytes Containing Iodide and Iodine", **The Journal of Physical Chemistry B**, Vol. 105, No. 51, pp. 12809-12815.
64. Wang, P., Zakeeruddin, S. M., Moser, J. E., Nazeeruddin, M. K., Sekiguchi, T. and Grätzel, M., 2003, "A Stable Quasi-Solid-State Dye-Sensitized Solar Cell with an Amphiphilic Ruthenium Sensitizer and Polymer Gel Electrolyte", **Nature Materials**, Vol. 2, pp. 402-407.
65. Abbrenta, S., Pleštil, J., Hlavata, D., Lindgren, J., Tegenfeldt, J. and Wendsjö, Å., 2001, "Crystallinity and Morphology of PVdF-HFP-based Gel Electrolytes", **Polymer**, Vol. 42, No. 4, pp. 1470-1416.
66. Jiang, Z., Carroll, B., Abraham, K. M., 1997, "Studies of some Poly(vinylidene fluoride) Electrolytes", **Electrochimica Acta**, Vol. 42, No. 17, pp. 2667-2677.

67. Scully, S. R., Lloyd, M. T., Herrera, R., Giannelis, E. P. and Malliaras, G. G., 2004, "Dye-Sensitized Solar Cells Employing a Highly Conductive and Mechanically Robust Nanocomposite Gel Electrolyte", **Synthetic Metals**, Vol. 144, No. 3, pp. 291-296.
68. Zhao, X. G., Jin, E. M., Park, J. Y. and Gu, H. B., 2014, "Hybrid Polymer Electrolyte Composite with SiO₂ Nanofiber Filler for Solid-State Dye-Sensitized Solar Cells", **Composites Science and Technology**, Vol. 103, pp. 100-105.
69. Sethupathy, M., Ravichandran, S. and Manisankar, P., 2014, "Preparation of PVdF-PAN-V₂O₅ Hybrid Composite Membrane by Electrospinning and Fabrication of Dye-Sensitized Solar Cells", **International Journal of Electrochemical Science**, Vol. 9, pp. 3166-3180.
70. Sill, T. J. and Recum, H. A. V., 2008, "Electrospinning: Applications in Drug Delivery and Tissue Engineering", **Biomaterials**, Vol. 29, No. 13, pp. 1989-2006.
71. Huang, Z. M., Zhang, Y. Z., Kotaki, M. and Ramakrishna, S., 2003, "A Review on Polymer Nanofibers by Electrospinning and their Applications in Nanocomposites", **Composites Science and Technology**, Vol. 63, No. 15, pp. 2223-2253.
72. Rutledge, G. C. and Fridrich, S. V., 2007, "Formation of Fibers by Electrospinning", **Advanced Drug Delivery Reviews**, Vol. 59, No. 14, pp. 1384-1391.
73. Reneker, D. H. and Yarin, A. L., 2008, "Electrospinning Jets and Polymer Nanofibers", **Polymer**, Vol. 49, No. 10, pp. 2387-2425.
74. Doshi, J. and Reneker, D. H., 1995, "Electrospinning Process and Applications of Electrospun Fibers", **Journal of Electrostatics**, Vol. 35, No. 2-3, pp. 151-160.
75. Yun, K. M., Suryamas, A. B., Iskandar, F., Bao, L., Niinuma, H. and Okuyama, K., 2010, "Morphology Optimization of Polymer Nanofiber for Applications in Aerosol Particle Filtration", **Separation and Purification Technology**, Vol. 75, No. 3, pp. 340-345.

76. Megelski, S., Stephenes, J. S., Chase, D. B. and Rabolt, J. F., 2002, "Micro- and Nanostructured Surface Morphology on Electrospun Polymer Fibers", **Macromolecules**, Vol. 35, No. 22, pp. 8456-8466.
77. Uyar, T. and Besenbacher, F., 2008, "Electrospinning of Uniform Polystyrene Fibers: The Effect of Solvent Conductivity", **Polymer**, Vol. 49, No. 24, pp. 5336-5343.
78. Bhardwaj, N. and Kundu, S. C., 2010, "Electrospinning: A Fascinating Fiber Fabrication Technique", **Biotechnology Advances**, Vol. 28, No. 3, pp. 325-347.
79. Gupta, P., Elkins, C., Long, T. E. and Wilkes, G. L., 2005, "Electrospinning of Linear Homopolymers of Poly(methyl methacrylate): Exploring Relationships between Fiber Formation, Viscosity, Molecular Weight and Concentration in a Good Solvent", **Polymer**, Vol. 46, No. 13, pp. 4799-4810.
80. Dasdemir, M., Topalbekiroglu, M. and Demir, A., 2013, "Electrospinning of Thermoplastic Polyurethane Microfibers and Nanofibers from Polymer Solution and Melt", **Journal of Applied Polymer Science**, Vol. 127, No. 3, pp. 1901-1908.
81. Fennessey, S. F. and Farris, R. J., 2004, "Fabrication of Aligned and Molecularly Oriented Electrospun Polyacrylonitrile Nanofibers and the Mechanical Behavior of their Twisted Yarns", **Polymer**, Vol. 45, No. 12, pp. 4217-4225.
82. Deitzel, J. M., Kleinmeyer, J., Harris, D. and Tan, N. C. B., 2001, "The Effect of Processing Variables on the Morphology of Electrospun Nanofibers and Textiles", **Polymer**, Vol. 42, No. 1, pp. 261-272.
83. Chanunpanich, N., Lee, B. and Byun, H., 2008, "A Study of Electrospun PVDF on PET Sheet", **Macromolecular Research**, Vol. 16, No. 3, pp. 212-217.

84. Buchko, C. J., Chen, L. C., Shen, Yu. And Martin, D. C., 1999, "Processing and Microstructural Characterization of Porous Biocompatible Protein Polymer Thin Films", **Polymer**, Vol. 40, No. 26, pp. 7397-7407.
85. Homayoni, H., Ravandi, S. A. H. and Valizadeh, M., 2009, "Electrospinning of Chitosan Nanofibers: Processing Optimization", **Carbohydrate Polymers**, Vol. 77, No. 3, pp. 656-661.
86. Mit-uppatham, C., Nithitanakul, M. and Supaphol, P., 2004, "Ultrafine Electrospun Polyamide-6 Fibers: Effect of Solution Conditions on Morphology and Average Fiber Diameter", **Macromolecular Chemistry and Physics**, Vol. 205, No. 17, pp. 2327-2338.
87. Casper, C. L., Stephens, J. S., Tassi, N. G., Chase, D. B. and Rabolt, J. F., 2004, "Controlling Surface Morphology of Electrospun Polystyrene Fibers: Effect of Humidity and Molecular Weight in the Electrospinning Process", **Macromolecules**, Vol. 37, No. 2, pp. 573-578.
88. Shubha, N., Prasanth, R., Hoon, H. H. and Srinivasan, M., 2013, "Dual Phase Polymer Gel Electrolyte based on Non-Woven Poly(vinylidene fluoride-co-hexafluoropropylene)-Layered Clay Nanocomposite Fibrous Membranes for Lithium Ion Batteries", **Materials Research Bulletin**, Vol. 48, No. 2, pp. 526-537.
89. Meechaisue, C., Wutticharoenmongkol, P., Waraput, R., Huangjing, T., Ketbumrung, N., Pavasant, P. and Supaphol, P., 2007, "Preparation of Electrospun Silk Fibroin Fiber mats as Bone Scaffolds: A Preliminary Study", **Biomedical Materials**, Vol. 2, No. 3, pp. 181-188.
90. Kim, J. R., Choi, S. W., Jo, S. M., Lee, W. S. and Kim, B. C., 2004, "Electrospun PVdF-based Fibrous Polymer Electrolytes for Lithium Ion Polymer Batteries", **Electrochimica Acta**, Vol. 50, No. 1, pp. 69-75.
91. Zhang, X., Reagan, M. R. and Kaplan, D. L., 2009, "Electrospun Silk Biomaterial Scaffolds for Regenerative Medicine", **Advance Drug Delivery Reviews**, Vol. 61, No. 12, pp. 988-1006.

92. Martins, P., Lopes, A. C. and Mendez, S. L., 2014, "Electroactive Phases of Poly(vinylidene fluoride): Determination, Processing and Applications", **Progress in Polymer Science**, Vol. 39, No. 4, pp. 683-706.
93. Dhanalakshmi, M. and Jog, J. P., 2008, "Preparation and Characterization of Electrospun Fibers of Nylon 11", **EXPRESS Polymer Letters**, Vol. 2, No. 8, pp. 540-545.
94. Zhao, S., Wu, X., Wang, L. and Huang, Y., 2004, "Electrospinning of Ethyl-Cyanoethyl Cellulose/Tetrahydrofuran Solutions", **Journal of Applied Polymer Science**, Vol. 91, No. 1, pp. 242-246.
95. Ero-Phillips, O., Jenkins, M. and Stamboulis, A., 2012, "Tailoring Crystallinity of Electrospun Plla Fibres by Control of Electrospinning Parameters", **Polymer**, Vol. 4, No. 3, pp. 1331-1348.
96. Ra, E. J., An, K. H., Kim, K. K., Jeong, S. Y. and Lee, Y. H., 2005, "Anisotropic Electrical Conductivity of MWCNT/PAN Nanofiber Paper", **Chemical Physics Letters**, Vol. 413, No. 1-3, pp. 188-193.
97. Pilehrood, M. K., Heikkilä, P. and Harlin, A., 2012, "Preparation of Carbon Nanotube Embedded In Polyacrylonitrile (PAN) Nanofibre Composites By Electrospinning Process", **Autex Research Journal**, Vol. 12, No. 1, pp. 1-6.
98. Yu, J. H., Fridrikh, S. V. and Rutledge, G. C., 2006, "The Role of Elasticity in the Formation of Electrospun Fibers", **Polymer**, Vol. 47, No. 13, pp. 4789-4797.
99. Xiao, W., Li, X., Wang, Z., Guo, H., Wang, J., Huang, S. and Gan, L., 2012, "Physicochemical Properties of a Novel Composite Polymer Electrolyte Doped with Vinyltrimethoxysilane-Modified Nano-La₂O₃", **Journal of Rare Earths**, Vol. 30, No. 10, pp. 1034-1040.

100. Pereira, J. N., Lopes, A. C., Costa, C. M., Rodrigues, L. C., Silva, M.M. and Lanceros-Méndez, S., 2013, "Microporous Membranes of NaY Zeolite/poly(vinylidene fluoride-trifluoroethylene) for Li-ion Battery Separators", **Journal of Electroanalytical Chemistry**, Vol. 689, pp. 223–232.
101. Lee, J. K., Choi, H. J., Park, S. H., Won, D. H., Park, H. W., Kim, J. H., Lee, C. J., Jeong, S. H. and Kim, M. R., 2010, "Fabrications of Poly(vinylidene fluoride-co-hexafluoropropylene) Nanofibers Containing Inorganic Filler by Electrospinning Technique and Its Application to Dye-Sensitized Solar Cells", **Molecular Crystals and Liquid Crystals**, Vol. 519, No. 1, pp. 234-244.
102. El-Hadi, A. M., Mohan, S. D., Davis, F. J. and Mitchell, G. R., 2014, "Enhancing the Crystallization and Orientation of Electrospinning Poly (lactic acid) (PLLA) by Combining with Additives", **Journal of Polymer Research**, Vol. 21, No. 605, pp. 1-12.