

References

1. Stoppa M, Chiolerio A. Wearable electronics and smart textiles: a critical review. *Sensors* 2014; 14(7): p. 11957-11992.
2. Coosemans J, Hermans B, Puers R. Integrating wireless ECG monitoring in textiles. *Sensors and Actuators A: Physical* 2006; 130: p. 48-53.
3. Xue P, et al. Electrically conductive yarns based on PVA/carbon nanotubes. *Composite Structures* 2007; 78(2): p. 271-277.
4. Xue P, Tao X.M. Morphological and electromechanical studies of fibers coated with electrically conductive polymer. *Journal of Applied Polymer Science* 2005; 98(4): p. 1844-1854.
5. Post ER, Orth M. *Smart fabric, or 'wearable clothing'*. in Digest of Papers, First International Symposium on Wearable Computers. 1997. Cambridge, USA: IEEE.
6. Baxter LK. *Capacitive sensors: Design and Applications*. 1996, New York: Wiley-IEEE Press.
7. Abdulghani A, Casson A, Rodriguez-Villegas E. *Quantifying the Feasibility of Compressive Sensing in Portable Electroencephalography Systems, in Foundations of Augmented Cognition. Neuroergonomics and Operational Neuroscience*. Schmorrow D, Estabrooke I, Grootjen M. Editors 2009, Springer Berlin Heidelberg. p. 319-328.
8. Eves SMD, et al. *Wearable electronics*. Philips Research Intellegent Fiber Gr. 2001; 10: p. 4-9.
9. Monika S, Muthukumar P. Wearable Technology of Soft Switch Application and Colour Changing Materials in Textile Industry. *SSRG International Journal of Polymer and Textile Engineering* 2014; 1(1): p. 20-23.
10. Havich M. *This shirt could save your life*, in Textile World. 1999; Textile World: Georgia, USA.
11. Roberts S. *Intelligent garments facts or fictions*, in Just style. 2000; Aroq Ltd.: United Kingdom.
12. Lennox-Kerr, Current state of electrically conductive materials. High performance textiles, 1990. 11: p. 6-7.
13. Ko F, et al. Electrospinning of continuous carbon nanotube filled nanofiber yarns. *Advanced Materials* 2003; 15(14): p. 1161-1165.
14. Liu X, et al. Polyelectrolyte-bridged metal/cotton hierarchical structures for highly durable conductive yarns. *ACS applied materials & interfaces* 2010; 2(2): p. 529-535.
15. Vaia R, et al. Hierarchical control of nanoparticle deposition: high-performance electrically conductive nanocomposite fibers via infiltration. *Chemistry of Materials* 1998; 10(8): p. 2030-2032.
16. Coessens V, Pintauer T, Matyjaszewski K. Functional polymers by atom transfer radical polymerization. *Progress in Polymer Science* 2001; 26(3): p. 337-377.
17. Dhandayuthapani B, et al. Polymeric scaffolds in tissue engineering application: a review. *International Journal of Polymer Science*, 2011. 2011.
18. Okuzaki H, Harashina Y, Yan H. Highly conductive PEDOT/PSS microfibers fabricated by wet-spinning and dip-treatment in ethylene glycol. *European Polymer Journal* 2009; 45(1): p. 256-261.
19. Muthukumar N. Govindarajan GT. Surface Resistivity and EMI Shielding Effectiveness of Polyaniline Coated Polyester Fabric. *Journal of Textile and Apparel, Technology and Management* 2012; 7(4): p. 1-6.

20. Lock JP, Im SG, Gleason KK. Oxidative chemical vapor deposition of electrically conducting poly (3, 4-ethylenedioxythiophene) films. *Macromolecules* 2006; 39(16): p. 5326-5329.
21. Knittel D, Schollmeyer E. Electrically high-conductive textiles. *Synthetic Metals* 2009; 159(14): p. 1433-1437.
22. Yang X, et al. Vapor phase polymerization of 3, 4-ethylenedioxythiophene on flexible substrate and its application on heat generation. *Polymers for Advanced Technologies* 2011; 22(6): p. 1049-1055.
23. Jang J, Chang M, Yoon H. Chemical Sensors Based on Highly Conductive Poly (3, 4-ethylenedioxythiophene) Nanorods. *Advanced Materials* 2005; 17(13): p. 1616-1620.
24. Shim BS, et al. Smart electronic yarns and wearable fabrics for human biomonitoring made by carbon nanotube coating with polyelectrolytes. *Nano letters* 2008; 8(12): p. 4151-4157.
25. Glass R, et al. Block copolymer micelle nanolithography on non-conductive substrates. *New Journal of Physics* 2004; 6(1): p. 101.
26. Radetić M. Functionalization of textile materials with silver nanoparticles. *Journal of Materials Science* 2013; 48(1): p. 95-107.
27. Zhang L, et al. A review: carbon nanofibers from electrospun polyacrylonitrile and their applications. *Journal of Materials Science* 2014; 49(2): p. 463-480.
28. Alivisatos P, et al. From molecules to materials: Current trends and future directions. *Advanced Materials* 1998; 10(16): p. 1297-1336.
29. Xue C-H, et al. Superhydrophobic conductive textiles with antibacterial property by coating fibers with silver nanoparticles. *Applied Surface Science* 2012; 258(7): p. 2468-2472.
30. Chou YH, et al. Recovery of Cu(II) by chemical reduction using sodium dithionite. *Chemosphere* 2015; 141: p. 183-8.
31. Dhawan A, et al. Woven Fabric-Based Electrical Circuits: Part II: Yarn and Fabric Structures to Reduce Crosstalk Noise in Woven Fabric-Based Circuits. *Textile Research Journal* 2004; 74(11): p. 955-960.