

References

1. Šafářová V, Militký J. Electromagnetic Shielding Properties of Woven Fabrics made from High-Performance Fibers. *Textile Research Journal* 2014; 84(12): 1255-67.
2. Šafářová V, Tunák M, Militký J. Prediction of Hybrid Woven Fabric Electromagnetic Shielding Effectiveness. *Textile Research Journal* 2015; 85(7): 673-86.
3. Šafářová V, Militký J. Comparison of Methods for Evaluating the Shielding Effectiveness of Textiles. *Vlakna a Textil* 2012; 19: 50-6.
4. Chung D. Electromagnetic Interference Shielding Effectiveness of Carbon Materials. *Carbon* 2001; 39(2): 279-85.
5. Cao M-S, Wang X-X, Cao W-Q, Yuan J. Ultrathin Graphene: Electrical Properties and Highly Efficient Electromagnetic Interference Shielding. *Journal of Materials Chemistry C*. 2015; 3(26): 6589-99.
6. Sano E, Akiba E. Electromagnetic Absorbing Materials using Nonwoven Fabrics Coated With Multi-Walled Carbon Nanotubes. *Carbon* 2014; 78: 463-8.
7. Rubežienė V, Baltušnikaitė J, Varnaitė-Žuravliova S, Sankauskaitė A, Abraitienė A, Matuzas J. Development and Investigation of Electromagnetic Shielding Fabrics with Different Electrically Conductive Additives. *Journal of Electrostatics* 2015;75: 90-8.
8. Tian M, Du M, Qu L, Chen S, Zhu S, Han G. Electromagnetic Interference Shielding Cotton Fabrics with High Electrical Conductivity and Electrical Heating Behavior via Layer-By-Layer Self-Assembly Route. *RSC Advances* 2017; 7(68): 42641-52.
9. Neruda M, Vojtech L. Electromagnetic Shielding Effectiveness of Woven Fabrics with High Electrical Conductivity: Complete Derivation and Verification of Analytical Model. *Materials* 2018; 11(9): 1657.
10. Cao M-S, Yang J, Song W-L, Zhang D-Q, Wen B, Jin H-B, et al. Ferroferric Oxide/Multiwalled Carbon Nanotube Vs Polyaniline/Ferroferric Oxide/Multiwalled Carbon Nanotube Multiheterostructures for Highly Effective Microwave Absorption. *ACS Applied Materials & Interfaces* 2012; 4(12): 6949-56.
11. Li Y, Shen B, Pei X, Zhang Y, Yi D, Zhai W, et al. Ultrathin Carbon Foams for Effective Electromagnetic Interference Shielding. *Carbon* 2016; 100: 375-85.
12. Chen JY. Activated Carbon Fiber and Textiles: Woodhead Publishing; 2016.
13. Lee J, Lee B, Kim B, Park M, Lee D, Kuk I, et al. The Effect of Carbonization Temperature of PAN Fiber on the Properties of Activated Carbon Fiber Composites. *Carbon* 1997; 35(10-11): 1479-84.
14. Morawski A, Kałucki K, Nakashima M, Inagaki M. Modified Carbonization of Polyacrylonitrile by Incorporation of FeCl₂ and Fe (NO₃)₃—Pore Structure. *Carbon* 1994; 32(8): 1457-61.
15. Zhang Y, Wang M, He F, Zhang B. Mesopore Development in PAN-ACF Resulting from Non-Metal Additives. *Journal of Materials Science* 1997; 32(22): 6009-13.
16. Stoeckli F, Centeno TA, Fuertes A, Muniz J. Porous Structure of Polyarylamide-Based Activated Carbon Fibres. *Carbon* 1996; 34(10): 1201-6.
17. Daley M, Mangun C, DeBarrb J, Riha S, Lizzio A, Donnals G, et al. Adsorption of SO₂ Onto Oxidized and Heat-Treated Activated Carbon Fibers (ACFs). *Carbon* 1997; 35(3): 411-7.
18. Mangun C, Daley M, Braatz R, Economy J. Effect of Pore Size on Adsorption of Hydrocarbons in Phenolic-Based Activated Carbon Fibers. *Carbon* 1998; 36(1-2): 123-9.
19. Kumar K, Saxena R, Kothari R, Suri D, Kaushik N. Correlation between Adsorption and X-Ray Diffraction Studies on Viscose Rayon Based Activated Carbon Cloth. *Carbon* (New York, NY) 1997; 35(12): 1842-4.

20. Ahmad N, Kamal S, Raza ZA, Hussain T, Anwar F. Multi-Response Optimization in the Development of Oleo-Hydrophobic Cotton Fabric Using Taguchi Based Grey Relational Analysis. *Applied Surface Science* 2016; 367: 370-81.
21. Siqueira G, Abdillahi H, Bras J, Dufresne A. High Reinforcing Capability Cellulose Nanocrystals Extracted From *Syngonanthus Nitens* (Capim Dourado). *Cellulose* 2010; 17(2): 289-98.
22. Naeem S, Baheti V, Militky J, Wiener J, Behera P, Ashraf A. Sorption Properties of Iron Impregnated Activated Carbon Web for Removal of Methylene Blue from Aqueous Media. *Fibers and Polymers* 2016; 17(8): 1245-55.
23. Naeem S, Baheti V, Tunakova V, Militky J, Karthik D, Tomkova B. Development of Porous and Electrically Conductive Activated Carbon Web for Effective EMI Shielding Applications. *Carbon* 2017; 111: 439-47.
24. Baheti V, Naeem S, Militky J, Okrasa M, Tomkova B. Optimized Preparation of Activated Carbon Nanoparticles from Acrylic Fibrous Wastes. *Fibers and Polymers* 2015; 16(10): 2193-201.
25. Wen B, Cao M-S, Hou Z-L, Song W-L, Zhang L, Lu M-M, et al. Temperature Dependent Microwave Attenuation Behavior For Carbon-Nanotube/Silica Composites. *Carbon* 2013; 65: 124-39.
26. Song W-L, Cao M-S, Hou Z-L, Fang X-Y, Shi X-L, Yuan J. High Dielectric Loss and its Monotonic Dependence of Conducting-Dominated Multiwalled Carbon Nanotubes/Silica Nanocomposite on Temperature Ranging from 373 To 873 K In X-Band. *Applied Physics Letters* 2009; 94(23): 233110.
27. Arjmand M, Chizari K, Krause B, Pötschke P, Sundararaj U. Effect of Synthesis Catalyst on Structure of Nitrogen-Doped Carbon Nanotubes and Electrical Conductivity and Electromagnetic Interference Shielding of their Polymeric Nanocomposites. *Carbon* 2016; 98: 358-72.
28. Zou L, Lan C, Li X, Zhang S, Qiu Y, Ma Y. Superhydrophobization of Cotton Fabric with Multiwalled Carbon Nanotubes for Durable Electromagnetic Interference Shielding. *Fibers and Polymers* 2015; 16(10): 2158-64.
29. Simayee M, Montazer M. A Protective Polyester Fabric with Magnetic Properties using Mixture of Carbonyl Iron and Nano Carbon Black Along with Aluminium Sputtering. *Journal of Industrial Textiles* 2018; 47(5): 674-85.
30. Bonaldi RR, Siores E, Shah T. Characterization of Electromagnetic Shielding Fabrics Obtained from Carbon Nanotube Composite Coatings. *Synthetic Metals* 2014; 187:1-8.
31. Gupta K, Abbas S, Abhyankar A. Carbon Black/Polyurethane Nanocomposite-Coated Fabric for Microwave Attenuation in X & Ku-Band (8–18 Ghz) Frequency Range. *Journal of Industrial Textiles* 2016; 46(2): 510-29.
32. Arjmand M, Sundararaj U. Electromagnetic Interference Shielding of Nitrogen-Doped and Undoped Carbon Nanotube/Polyvinylidene Fluoride Nanocomposites: A Comparative Study. *Composites Science and Technology* 2015; 118: 257-63.
33. Cao M-S, Song W-L, Hou Z-L, Wen B, Yuan J. The Effects of Temperature and Frequency on the Dielectric Properties, Electromagnetic Interference Shielding and Microwave-Absorption of Short Carbon Fiber/Silica Composites. *Carbon* 2010; 48(3): 788-96.
34. Bansal RC, Goyal M. *Activated carbon adsorption: CRC press; 2005.*