Correction



Correction to: Influence of the nanocellulose raw material characteristics on the electrochemical and mechanical properties of conductive paper electrodes

A. Mihranyan^{1,*}, M. Esmaeili², A. Razaq^{1,3}, D. Alexeichik⁴, and T. Lindström⁵

Published online:

4 May 2022

© Springer Science+Business Media, LLC, part of Springer Nature 2022

Correction to:

J Mater Sci (2012) 47:4463–4472 https://doi.org/10.1007/s10853-012-6305-6

In Table 2, the values of Young's modulus are close to an order of magnitude lower than they should be. The raw data were overviewed and Young's modulus values compared to previous publications on a similar material [Le Bras, D., Strømme, M., Mihranyan, A. (2015). Characterization of Dielectric Properties of Nanocellulose from Wood and Algae for Electrical Insulator Applications, J. Phys. Chem. B, 119, 18, 5911–5917; Quelmalz, A., Mihranyan, A. (2015) Citric Acid Cross-Linked Nanocellulose-Based Paper for Size-Exclusion Nanofiltration, ACS Biomater. Sci. Eng. 2015, 1, 4, 271–276].

The original article can be found online at https://doi.org/10.1007/s10853-012-6305-6.

 $Address\ correspondence\ to\ E-mail:\ albert.mihranyan@angstrom.uu.se$



¹Nanotechnology and Functional Materials, Department of Engineering Sciences, Ångström Laboratory, Uppsala University, P. O. Box 35, 75103 Uppsala, Sweden

²Nanotechnology and Functional Materials, Department of Engineering Sciences, Ångström Laboratory, Uppsala University, P. O. Box 534, 75121 Uppsala, Sweden

³ Present address: Physics Department, COMSATS Institute of Information Technology, Lahore 54000, Pakistan

⁴FMC BioPolymer, 1301 Ogletown Road, Newark, DE 19711, USA

⁵Innventia AB, Drottning Kristinas Väg 55, 114 86 Stockholm, Sweden

Table 2 Mechanical properties of the pristine NC and composite PPy-NC sheets

Sample	Tensile index (kNm/kg)	Tensile strength (MPa)	Young's modulus (GPa)	Yield stress (MPa)
NCUU	50	46	3.94	17
NCFMC	77	80	7.06	34
NCINN	74	112	9.64	77
NCUUPPy	3.2	1.3	0.01	_
NCFMCPPy	1.2	0.6	0.01	_
NCINNPPy	1.4	1.0	0.03	

The results are the mean (n = 3) with the standard deviation in the range between 7 and 14%

The corrected values are shown here:

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

