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SUPPLEMENTARY MATERIAL TO

Supercapacitive properties of the alkali metal hydroxides-activated carbons obtained from sucrose•

MILICA G. KOŠEVIĆ[1]*, SANJA S. KRSTIĆ[2], VLADIMIR V. PANIĆ[1,3,4] and BRANISLAV Ž. NIKOLIĆ[5]

[1]*Institute of Chemistry, Technology and Metallurgy, National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia,* [2]*University of Belgrade, Vinča Institute of Nuclear Sciences, Belgrade, Serbia,* [3]*Centre of Excellence in Environmental Chemistry and Engineering – ICTM, University of Belgrade, Belgrade, Serbia,* [4]*State University of Novi Pazar, Department of Natural and Mathematical Sciences, Novi Pazar, Serbia and* [5]*Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia*

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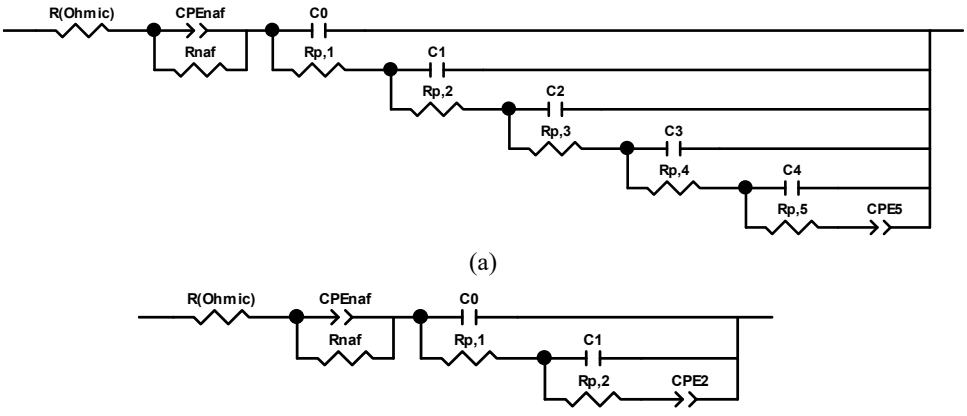

Fig. S-1. Transmission line equivalent electrical circuits (TLEECs) used to fit the impedance data of S-LiOH (a) and S-NaOH (b) carbons.

* Corresponding author. E-mail: milica.kosevic@ihtm.bg.ac.rs

TABLE S-I. The values of parameters (± absolute error) of TLEEC elements gained by fitting to TLEECs shown in Fig. S-1a and b; type of fitting: complex, type of weighting: calculated modulus; max. iterations: 100

Parameter	S-LiOH	S-NaOH
R(Ohmic) / Ω	20.78±0.03	22.01±0.09
Q_{naf} / 10^{-5} S $s^{n_{naf}}$	3.6±0.3	5.1±0.2
n_{naf}	0.721±0.006	0.812±0.006
R_{naf} / Ω	15.6±0.3	62±1
C_0 / 10^{-5} F	3.1±0.3	49±4
$R_{p,1}$ / Ω	12.4±0.9	42±4
C_1 / 10^{-5} F	6.1±0.4	92±7
$R_{p,2}$ / Ω	23±2	98±13
Q_2 / 10^{-5} S s^{n_2}	–	212±6
n_2	–	0.74±0.01
C_2 / 10^{-5} F	9.6±0.5	–
$R_{p,3}$ / Ω	57±5	–
C_3 / 10^{-5} F	14.8±0.8	–
$R_{p,4}$ / Ω	138±12	–
C_4 / 10^{-5} F	19.0±0.9	–
$R_{p,5}$ / Ω	240±20	–
Q_5 / 10^{-5} S s^{n_5}	62.0±0.8	–
n_5	0.634±0.003	–
	Fitting quality	
$\chi^2 \times 10^5$	1.68	32.3
Weighted sum of squares	1.88×10^{-3}	3.23×10^{-2}