

Structural, electrical and photocatalytic properties of iron-containing soda-lime aluminosilicate glass and glass-ceramics

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Table SM-1 The best fitting parameters obtained from equivalent circuit modeling of complex impedance spectra measured at room temperature (RT) for the samples of basicity 0.75 to 1.75 heat-treated at 800 °C for 100 min.

Samples	B-0.75	B-1.00	B-1.25	B-1.50	M-1.50	B-1.75
R_1 / Ω	4.02×10^{11}	6.30×10^9	3.53×10^8	1.57×10^7	5.04×10^7	1.77×10^7
$A_1 / s^a \Omega^{-1}$	1.35×10^{-11}	1.77×10^{-11}	1.65×10^{-11}	9.07×10^{-12}	3.28×10^{-11}	8.92×10^{-11}
a_1	0.61	0.68	0.84	0.94	0.90	0.90
R_2 / Ω	–	3.91×10^{10}	4.79×10^8	2.12×10^7	5.59×10^7	8.60×10^7
$A_2 / s^a \Omega^{-1}$	–	9.71×10^{-11}	2.19×10^{-10}	1.00×10^{-10}	3.00×10^{-10}	5.96×10^{-10}
a_2	–	0.49	0.63	0.77	0.68	0.58
$A_3 / (s^a \Omega^{-1})$	–	–	1.35×10^{-9}	3.56×10^{-8}	4.13×10^{-8}	2.64×10^{-8}
a_3	–	–	0.40	0.36	0.37	0.40