



Table 1. Technical Specifications of the NIC-Mebius PtCu₃/C ORR Electrocatalysts			
Characteristic	Units	May 2013 Status	
		RDE Tests after 300 cycles	RDE Tests after 7000 cycles
Platinum group metal total content (estimated)	g / kW (rated)	0.2	0.2
Platinum group metal (pgm) total loading	mg PGM / cm ² electrode area	0.1	0.1
Cu retained in the catalyst (% of initial content) ^a	%	44	29
Electrochemical area loss ^a	%	n.d.	<10
Electrocatalyst support loss ^a	mV after 7000 cycles @ 0.6-1.2V	<10	<10
Mass activity ^a	A / mg Pt @ 900 mViR-free	0.58 – 0.77	0.42 – 0.44
Specific activity ^a	μA / cm ² @ 900 mViR-free	2,400 - 3,400	2,000

^a Ch. Jeyabharati et al., ChemCatChem, DOI: 10.1002/cctc.201300287