

Nano-composite Janus gel polymer electrolytes for lithium metal batteries

Riccardo Morina ^{1,2}, Rebecca Baroni ¹, Daniele Callegari ^{2,3}, Eliana Quartarone ^{2,3} and Piercarlo Mustarelli ^{1,2,*}

¹ Department of Materials Science, University of Milano Bicocca, Via Cozzi 55, 20125 Milano, Italy

² Italian Reference Centre for Electrochemical Energy Storage (GISEL) - INSTM, Via G. Giusti 9, 50121 Firenze, Italy

³ Department of Chemistry, University of Pavia, Via Taramelli 16, 27100 Pavia, Italy

* Correspondence: piercarlo.mustarelli@unimib.it

SUPPLEMENTARY INFORMATION

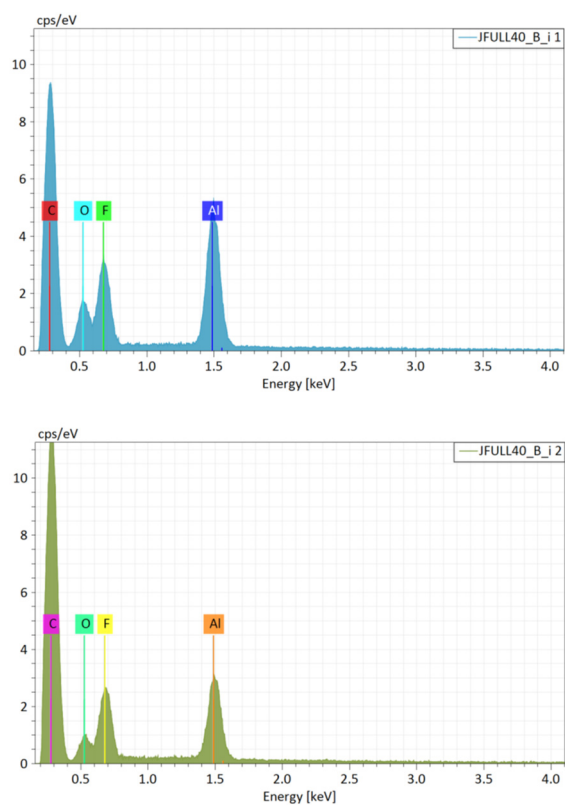
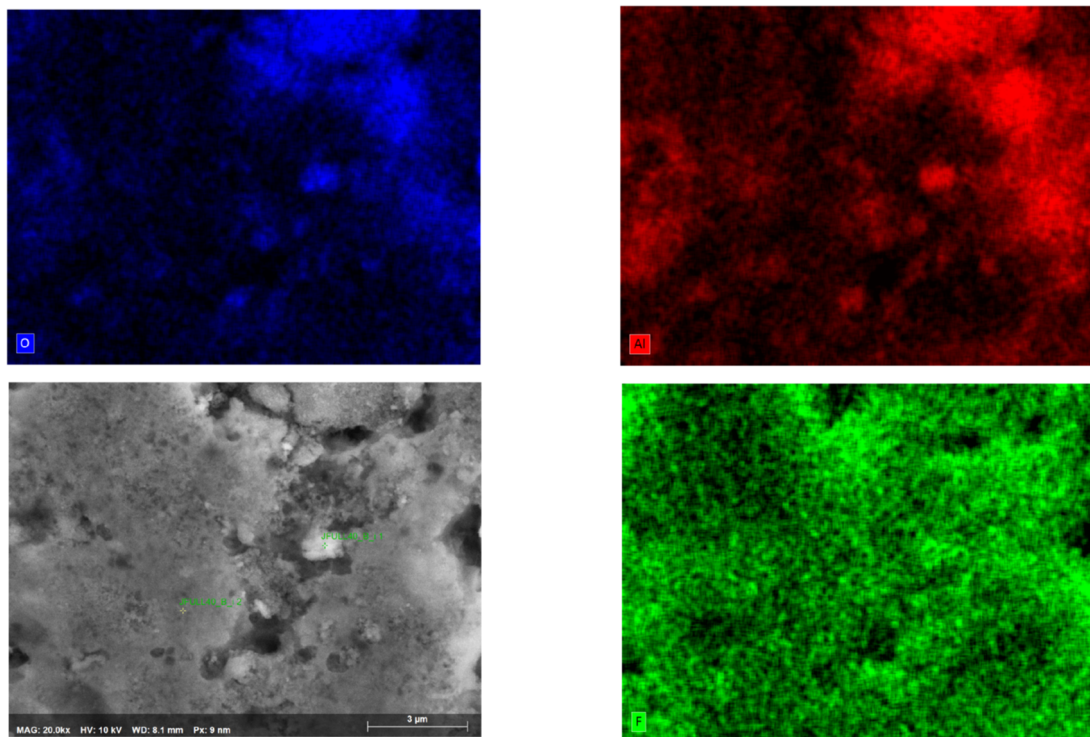


Figure S1. Backscattered electrons images and SEM-EDX distributions on the conducting side of FULL 40 JM before cycling.

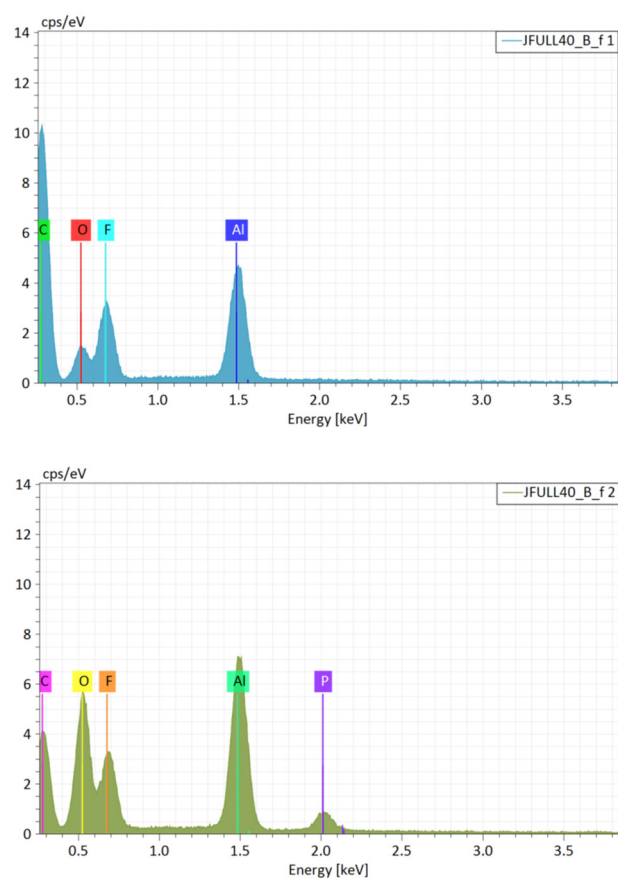
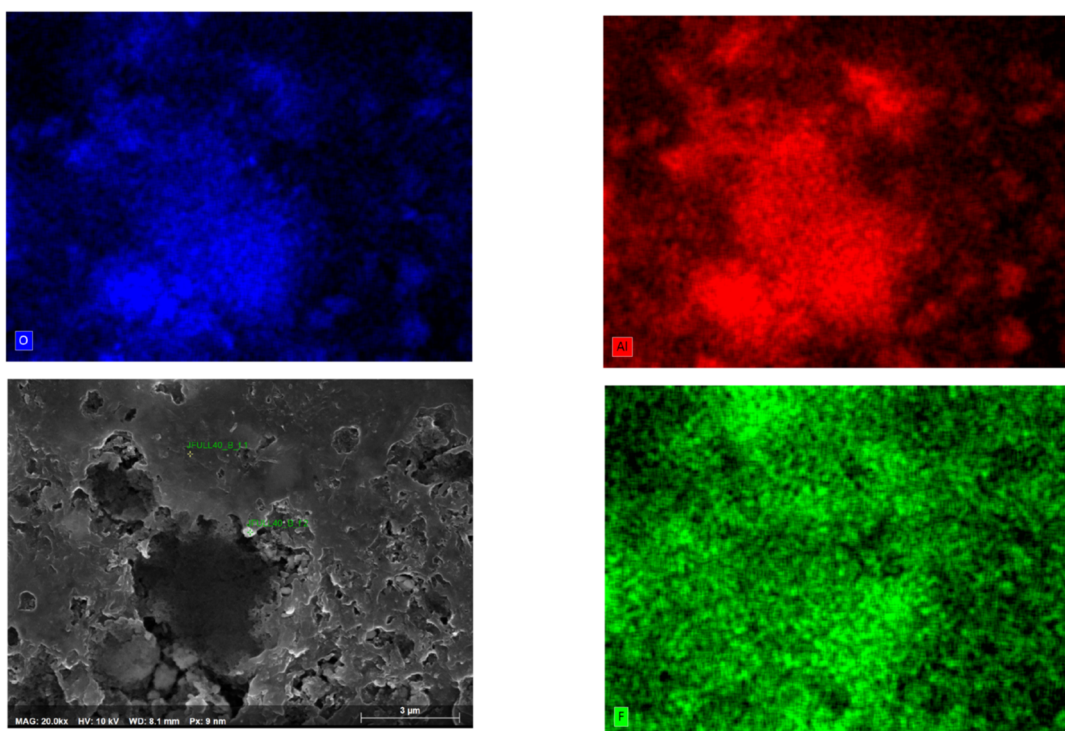


Figure S2. Backscattered electrons images and SEM-EDX distributions on the conducting side of FULL 40 JM after cycling.

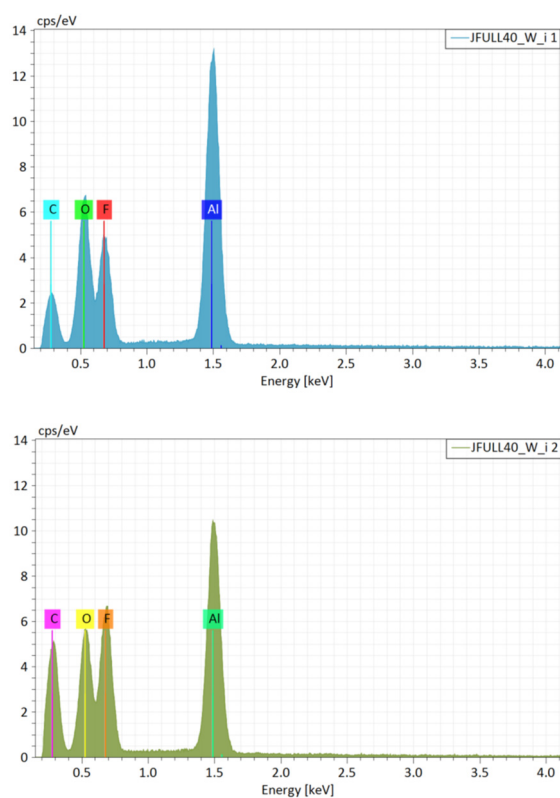
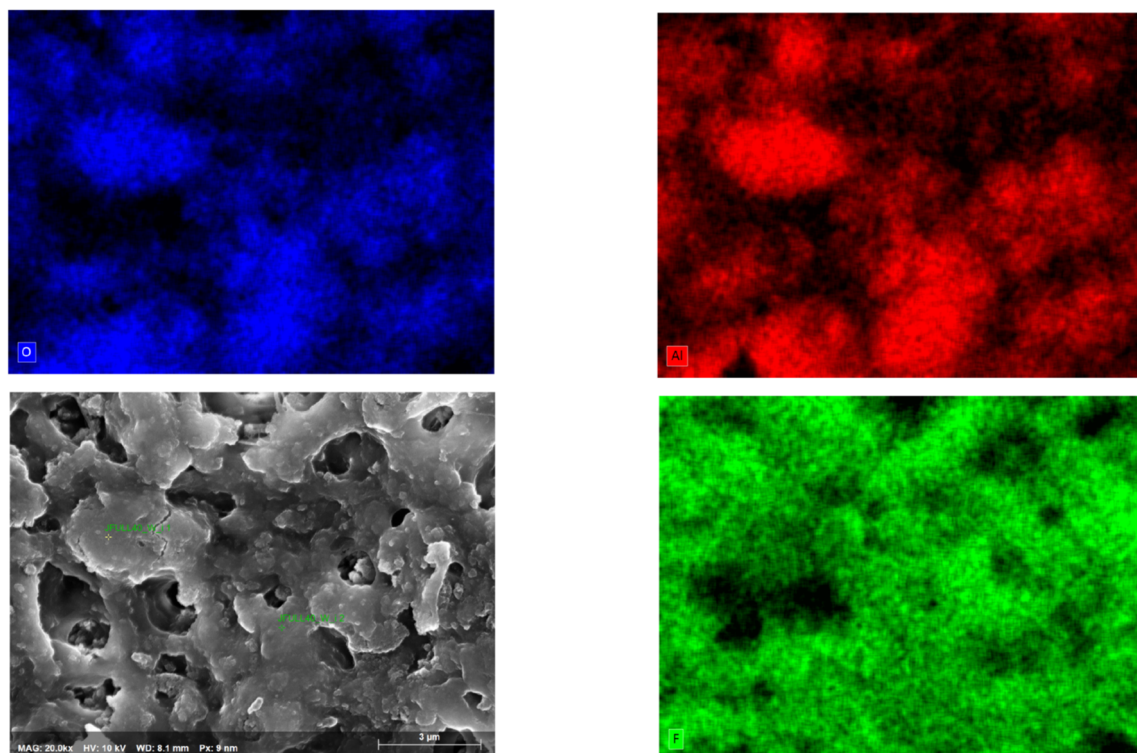


Figure S3. Backscattered electrons images and SEM-EDX distributions on the isolating side of FULL 40 JM before cycling.

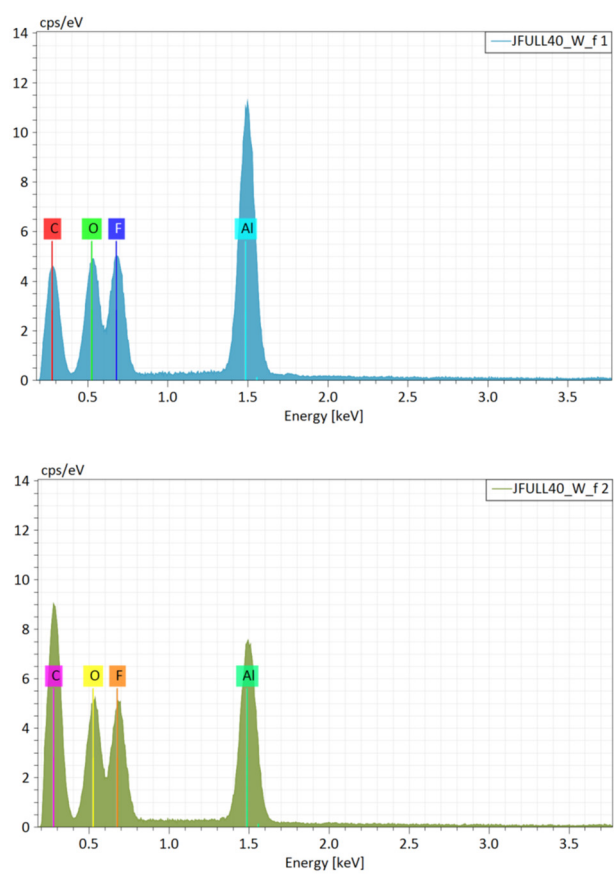
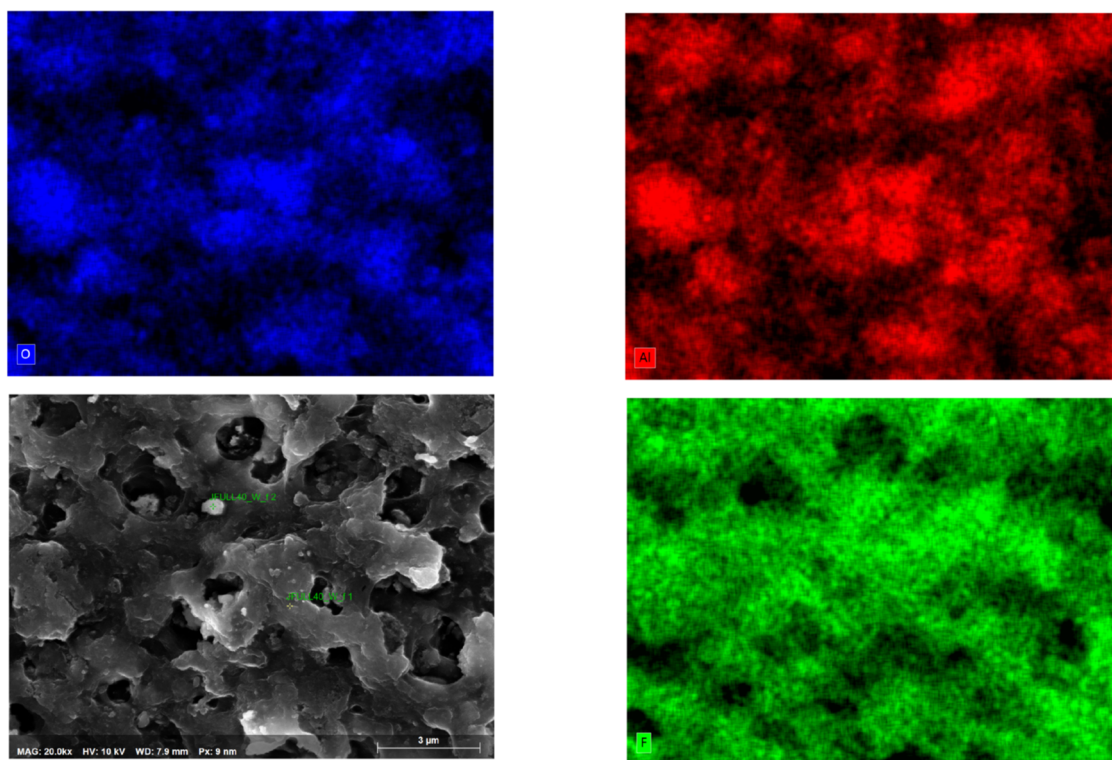


Figure S4. Backscattered electrons images and SEM-EDX distributions on the isolating side of FULL 40 JM after cycling.