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SUPPORTING INFORMATION

Hybrid Point-to-Line Conductive Network of Carbon Nanotubes and Denka Black for High-Rate Lithium-Ion Battery Cathodes

Jekyeong Yu[1] | Yujeong Yun[1] | Sunkyung You[1] | Su-Won Yang[2] | Jong-Ho Song[2] Jinjoo Park[1] | Seongki Ahn[3]* | Jeha Kim[1]* | Hong-Il Kim[1]*

[1]Department of Energy Convergence Engineering, Cheongju University, 111 Taejeong-ro, Maengdong-myeon, Eumseong-gun, Chungcheongbuk-do, 27739, Republic of Korea

[2]Songjeong Co., Ltd., 493 Seobu-ro, Gangnae-myeon, Cheongju-si, Chungcheongbuk-do, 28177, Republic of Korea

[3]Department of Chemical Engineering, Research Center of Chemical Technology, Hankyong National University, 27, Jungangro, Anseong-si, Gyeonggi-do, 17738, Republic of Korea

Table S1. Comparison of representative hybrid conductive additives combining carbon black–type particles and carbon nanotubes reported in the literature.

Ref.	Electrode system	Hybrid conductive additives	Processing method	Conductive network concept
[33]	NCM 811 cathode	Carbon black (KB) + CNT	High-speed dry mixing + slurry	Point contacts of CB combined with CNT bridging
[34]	Si/Graphite anode	Super P + CNT ink	CNT ink dispersion + slurry	Hybrid CNT–CB conductive network
[35]	Polymer composite (PAI)	CNT + CB	Composite mixing	Carbon black connecting isolated CNT networks
[36]	NCM 622 cathode	CNT + CB	Slurry processing	CNT–CB three-dimensional conductive framework
This work	NCM 622 cathode	CNT + Denka Black (DB)	HPH-assisted dispersion + slurry	DB point contacts combined with CNT line networks

CORRESPONDENCE
T: +82-43-883-4789
E: skahn@hknu.ac.kr (S. Ahn)
jeha@cju.ac.kr (J. Kim)
hikim007@cju.ac.kr (H.-I. Kim)

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