Fig. 4-43 J-E curves of the as-deposited Co-assisted carbon nanocone structures under different deposition times: (a) 3, (b) 5, (c) 10, (d) 20, and (e) 40min. for Specimens A2, A3, A4, A5, and A6, respectively. The corresponding F-N plots of the data (c) and (d) shown in the inset.
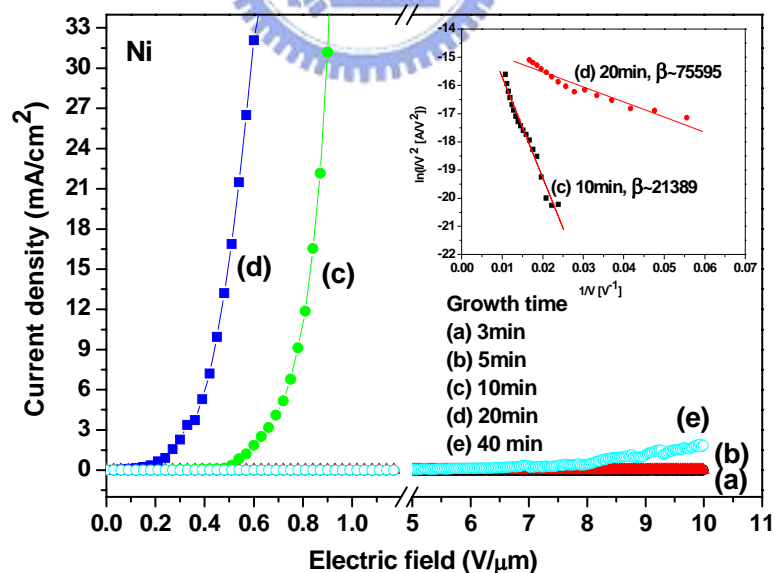

Fig. 4-44 J-E curves of the as-deposited Ni-assisted carbon nanocone structures under different deposition times: (a) 3, (b) 5, (c) 10, (d) 20, and (e) 40min. for Specimens B2, B3, B4, B5, and B6, respectively. The corresponding F-N plots of the data (c) and (d) shown in the inset.
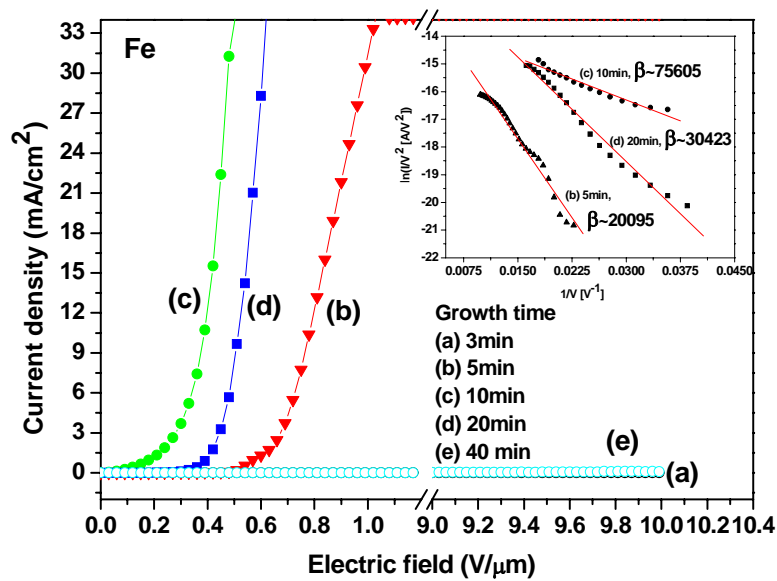
Fig. 4-45 J-E curves of the as-deposited Fe-assisted carbon nanocone structures under different deposition times: (a) 3, (b) 5, (c) 10, (d) 20, and (e) 40min. for Specimens C2, C3, C4, C5, and C6, respectively. The corresponding F-N plots of the data (c) and (d) shown in the inset.
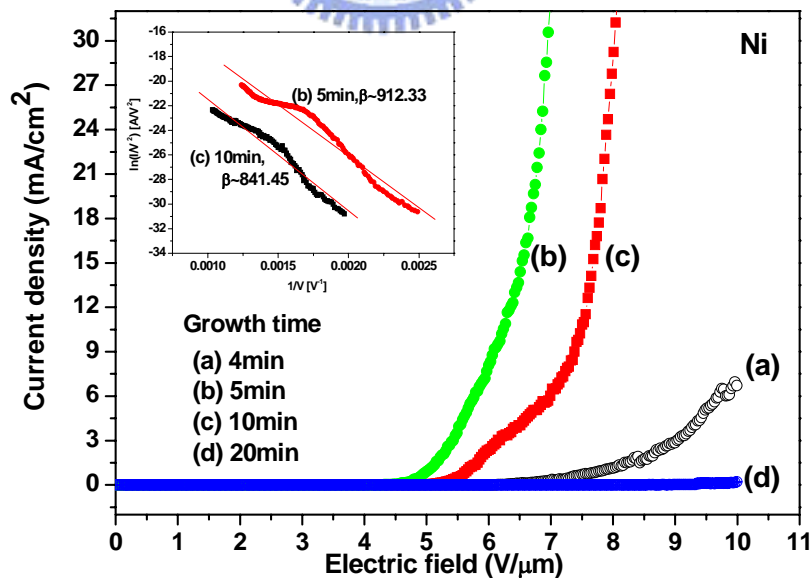

Fig. 4-46 J-E curves of the as-deposited Ni-assisted CNTs under different deposition times: (a) 4, (b) 5, and (c) 10, (d) 20min. for Specimens I3, I4, I5, I6, respectively. The corresponding F-N plots of the data (a) and (b) shown in the inset.
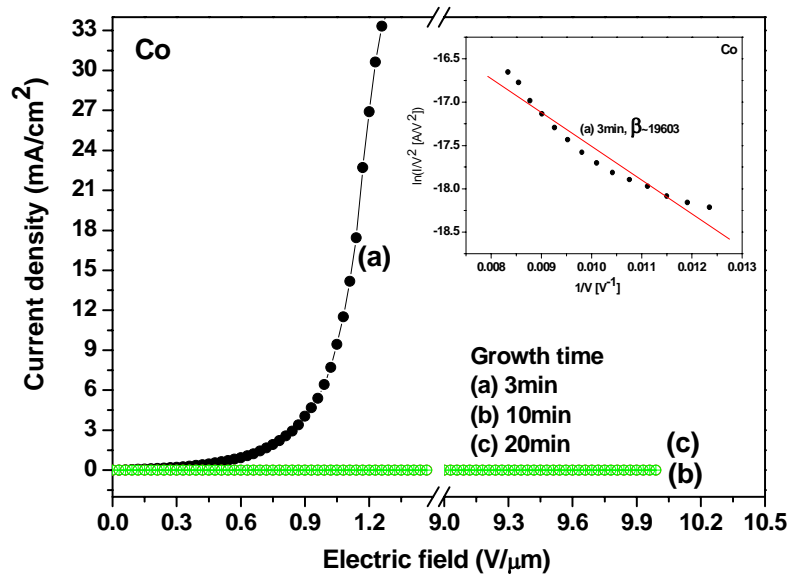
Fig. 4-47 J-E curves of the as-deposited carbon nanocone structures for Specimen A5 after different H-plasma post-treatment times: (a) 3, (b) 10, (c) 20min. The corresponding F-N plot of the data (a) shown in the inset.
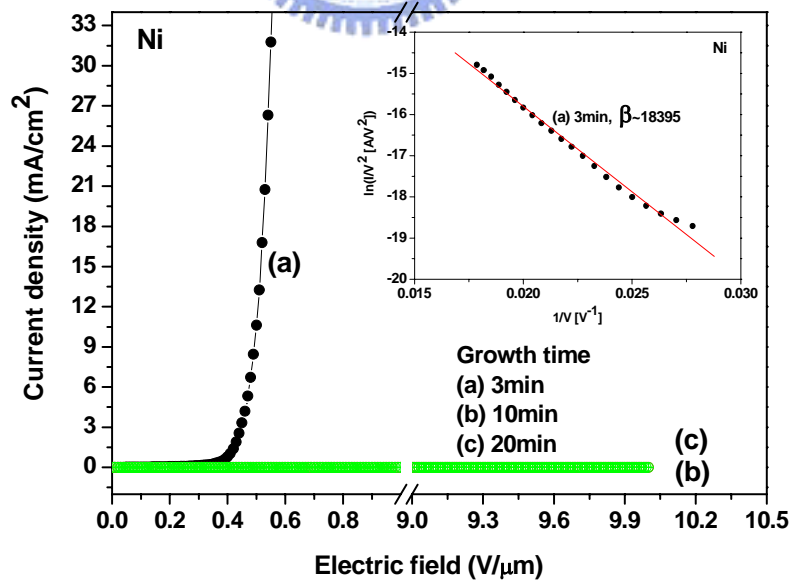

Fig. 4-48 J-E curves of the as-deposited carbon nanocone structures for Specimen B5 after different H-plasma post-treatment times: (a) 3, (b) 10, (c) 20min. The corresponding F-N plot of the data (a) shown in the inset.

Fig. 4-49 J-E curves of the as-deposited carbon nanocone structures for Specimen C5 after different H-plasma post-treatment times: (a) 3, (b) 10, (c) 20min. The corresponding F-N plot of the data (a) shown in the inset.
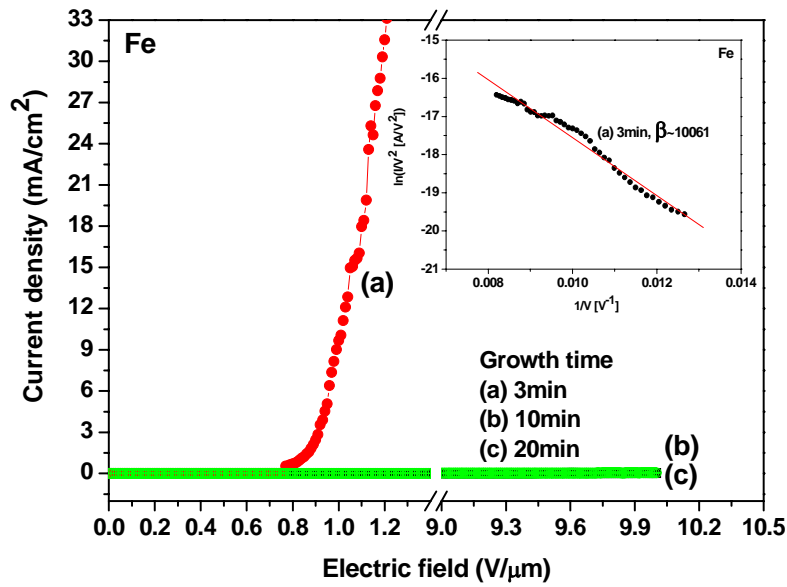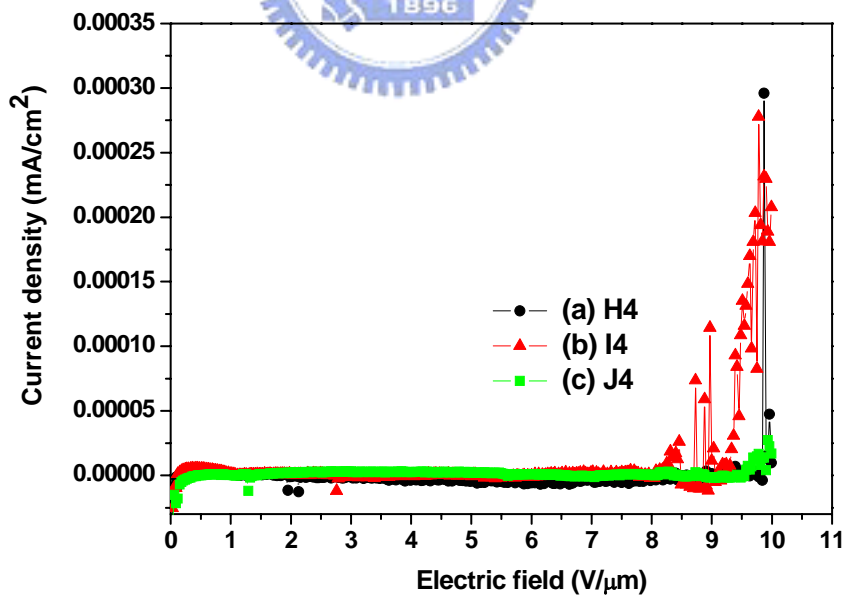

Fig. 4-50 J-E curve of the as-deposited carbon nanostructures for Specimens H4 (a), I4 (b), and J4 (c), respectively, after 20min. H-plasma post-treatment process.