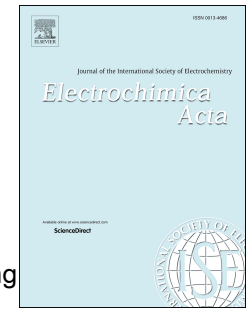

Anionic redox in *a*-$(Mo_3S_{11})_n$ polymer cathode for all-solid-state Li-ion battery

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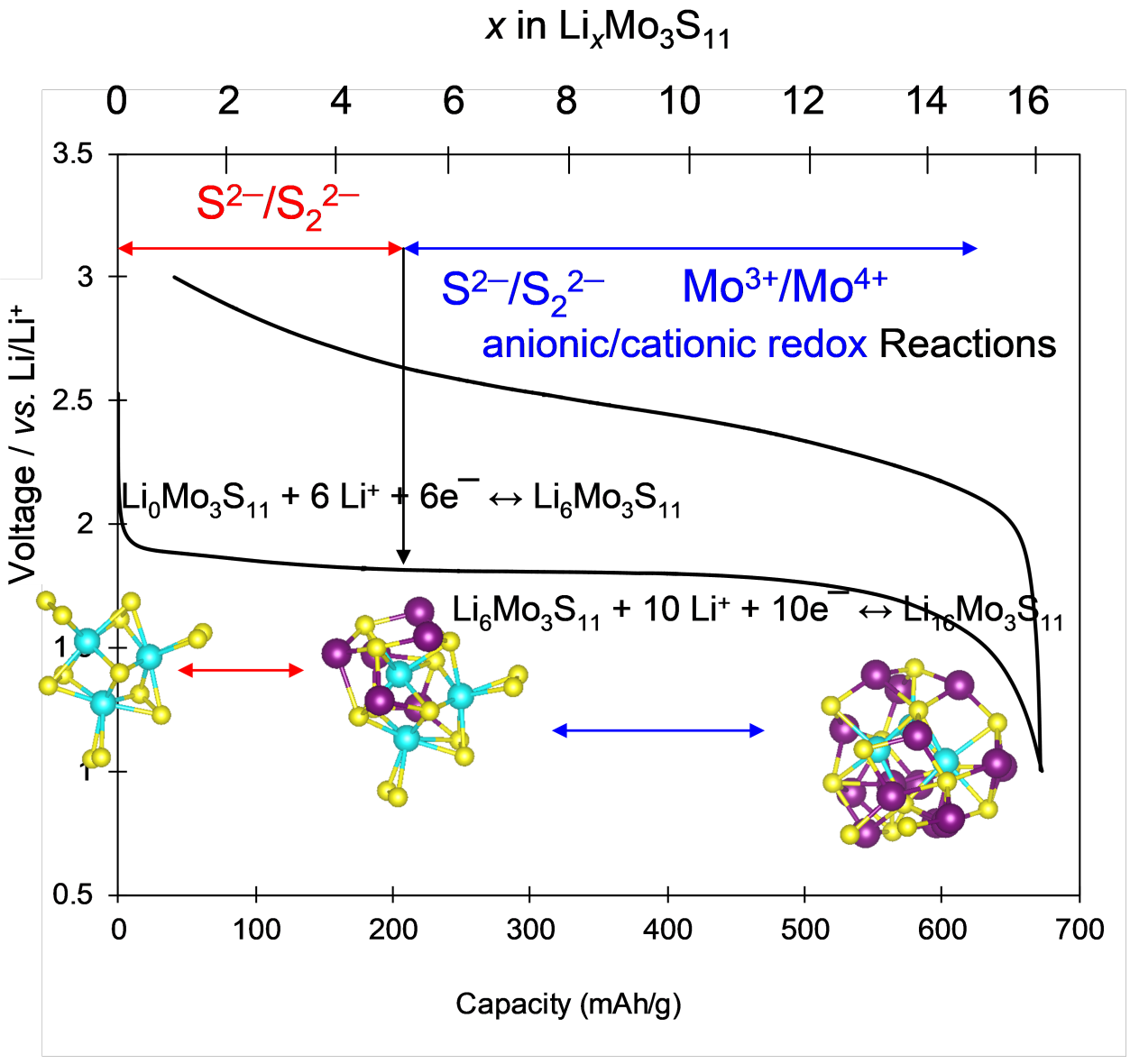
x in LixMo3S11
0
2
4
6
8
10
12
14
16
3.5
3
2.5
2
1
0.5
Voltage / vs. Li/Li+
S2−/S22−
S2−/S22−
Mo3+/Mo4+
anionic/cationic redox Reactions
Li0Mo3S11 + 6 Li+ + 6e− ↔ Li6Mo3S11
Li6Mo3S11 + 10 Li+ + 10e− ↔ Li16Mo3S11
0
100
200
300
400
500
600
700
Capacity (mAh/g)