

Supporting Information

Progress on Critical Cell-fabrication Parameters and Designs for Advanced Lithium– Sulfur Batteries

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SUPPORTING TABLE

Table S1. Cell-fabrication parameters and the resulting electrochemical-performance values.

Sulfur loading (mg cm ⁻²)	Sulfur content (wt%)	Electrolyte-to-sulfur ratio (μL mg ⁻¹)	Electrolyte-to-capacity ratio (μL mA·h ⁻¹)	Negative-to-positive capacity ratio	Reference
5	--	5	5	5	1
6.5	70	5	6.25	2	5
4–10	75	4–6	--	--	6
5–8	--	2–5	5	5	46
7	80	5	--	--	47
5	80	5	--	--	48
4	60	3–10	--	5	49
5	60	5	5	--	50
3–7	64	--	5	2	51
5	70	4	5	--	52
5	60–80	5	4	5	53
5	60	3–11	--	--	54
5	60	3–11	--	--	55
8	70	3–7	--	--	56
5	--	4	--	2	57
4	70	3	--	3	58
5	50	5	5	--	59
5–6	66–68	4–6	5	4	average value
5	60-80	5	5	5	suggested value