

Supplementary Material

S1. Scanning electron microscopy (SEM)

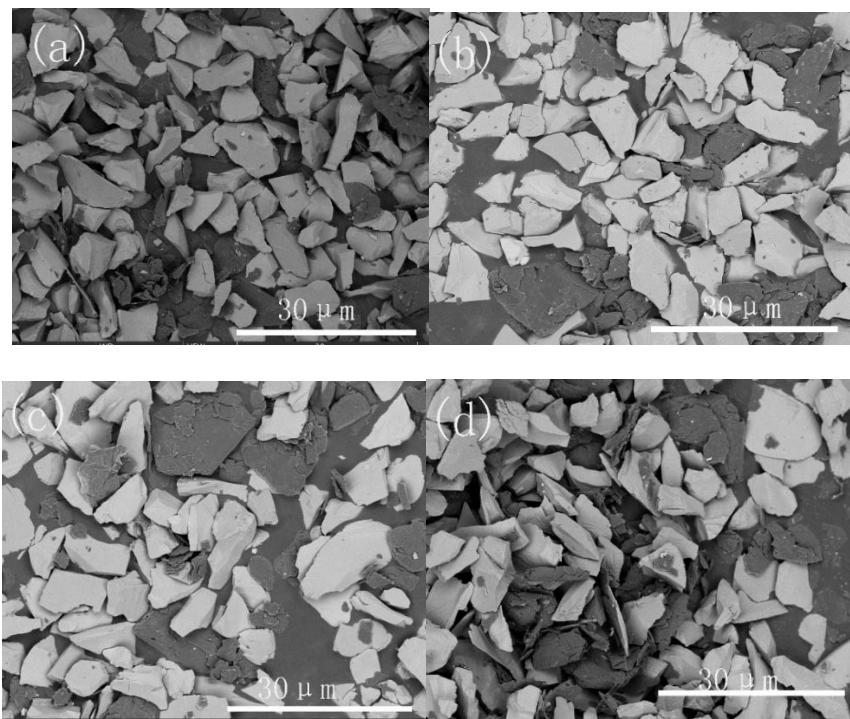


Figure S1 SEM image of (a) SMG-1, (b) SMG-1.5, (c) SMG-2, (d) SMG-3

Table S1 BET surface area, pore size and bandgap of samples.

Sample	BET Surface Area (m ² /g)	Pore Size (nm)	E _g (eV)
pure SiC	0.40	35.2393	3.02
SMG-1	2.13	25.7760	2.25
SMG-1.5	2.29	25.1403	2.23
SMG-2	3.29	24.9759	2.08
SMG-2.5	3.87	19.4851	1.94
SMG-3	3.54	24.0185	2.08