

S1 Table. Optimisation of the parameters for electrochemical deposition of SiHA and SrHA using 10 mm diameter and 3 mm thickness discs.

Coating	Current density (mA/cm²)	Deposition time (minutes)	Thickness ($\mu\text{m}\pm\text{SD}$)
SiHA	0.8	30	9.9 \pm 2.7
	0.8	45	19.2 \pm 5.7
SrHA	7.5	2.5	6.9 \pm 1.4
	7.5	5	14.8 \pm 2
	15	2.5	14.2 \pm 5.2
	15	5	55.6 \pm 21