materials

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Article

Temporary Inhibition of the Corrosion of AZ31B Magnesium Alloy by Formation of *Bacillus Subtilis* Biofilm in Artificial Seawater

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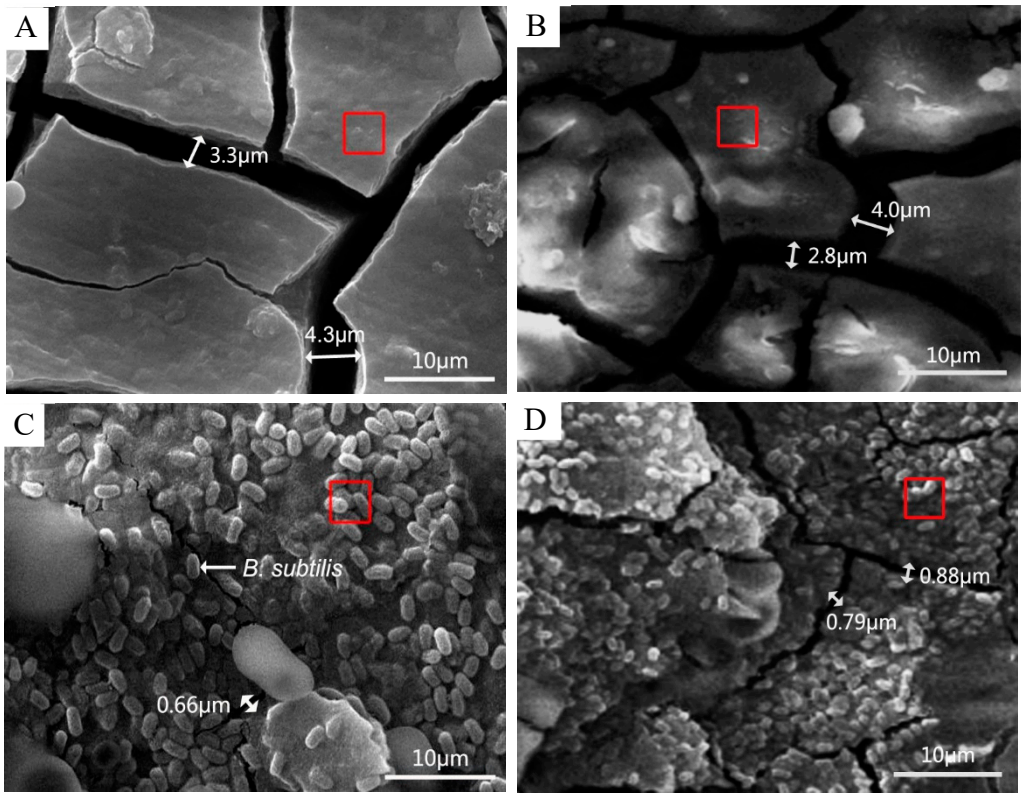

Figure S1. SEM images of AZ31B magnesium alloy specimens before or after electrochemical measurement in control group (before: A, after: B) and *B. subtilis* presence group (before: C, after: D) at 48 h. (high voltage: 20 kV).

Table S1. Elemental compositions (wt %) of the surface of AZ31B magnesium alloy specimens before or after electrochemical measurement in control group and *B. subtilis* presence group.

Element (wt %)		C	O	Na	Mg	Al	P	S	Cl	Ca	Others
The sterile	before	0.81	23.63	0.55	62.52	3.48	0.67	0.37	0.32	7.65	<0.001
control group	after	1.04	17.68	0.73	69.71	3.52	0.35	0.28	0.36	4.53	<0.001
The *B. subtilis*	before	6.11	33.39	2.35	31.61	4.06	11.90	0.57	2.40	7.61	<0.001
presence group	after	7.92	30.10	1.54	36.40	6.53	9.29	0.61	1.24	6.37	<0.001