

Controlled synthesis and enhanced photoelectro-catalytic activity of 3D TiO₂ nanotube arrays/TiO₂ nanoparticles heterojunction using a combined dielectrophoresis/sol-gel method

Ruiyu Bao, Chen Chen, Jianxin Xia, Huiying Chen, Hua Li *

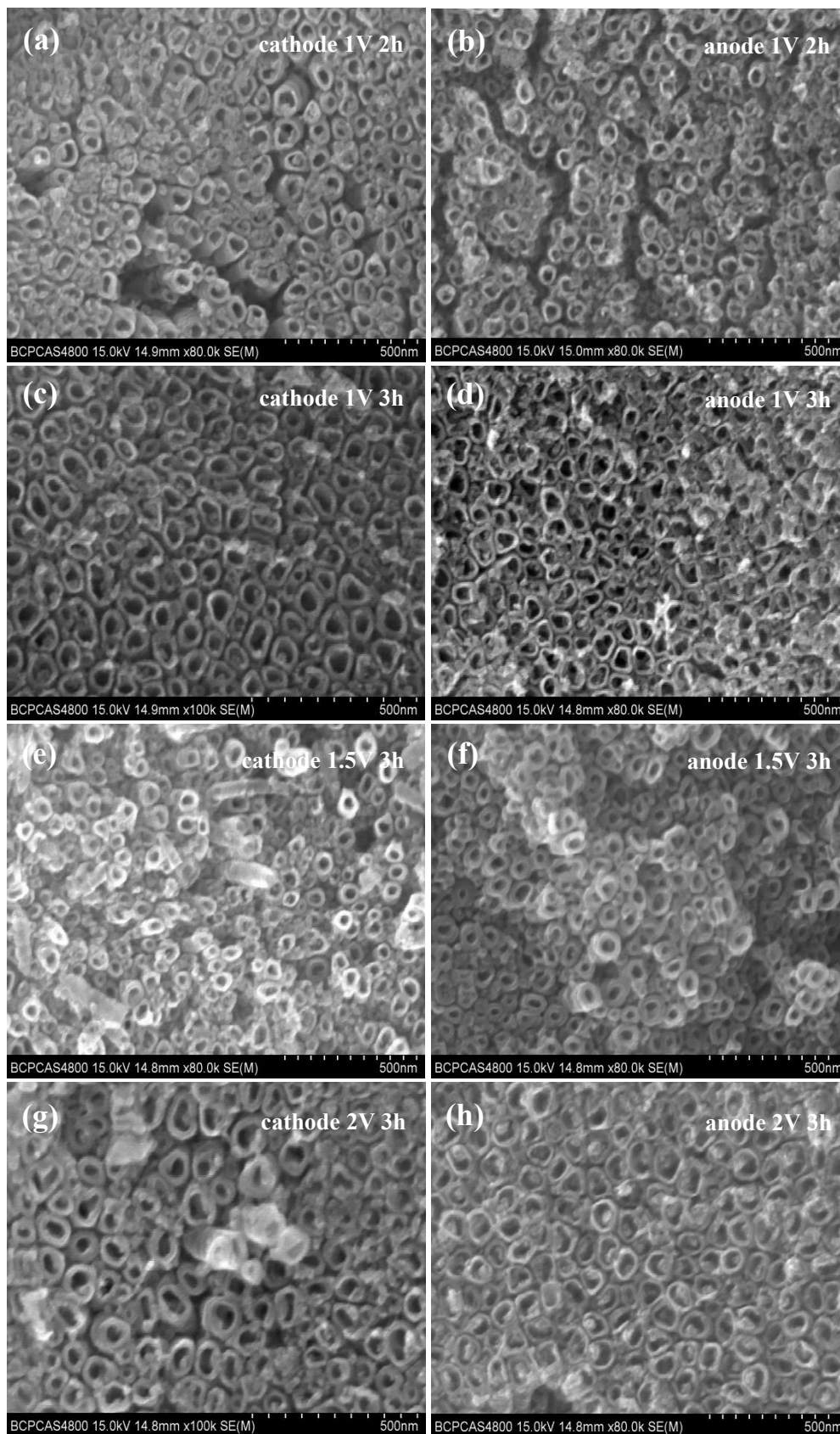
College of Life and Environmental Sciences, Minzu University of China, Beijing, 100081, China

Fig.S1 SEM images of 3D-TNAs/TiO₂ processed by DEP/sol-gel.

Table S1 Inner diameter, wall thickness, and particle size of the cathode 3D-TNAs/TiO₂.

Table S2 Inner diameter, wall thickness, and particle size of the anode 3D-TNAs/TiO₂.

Fig.S1



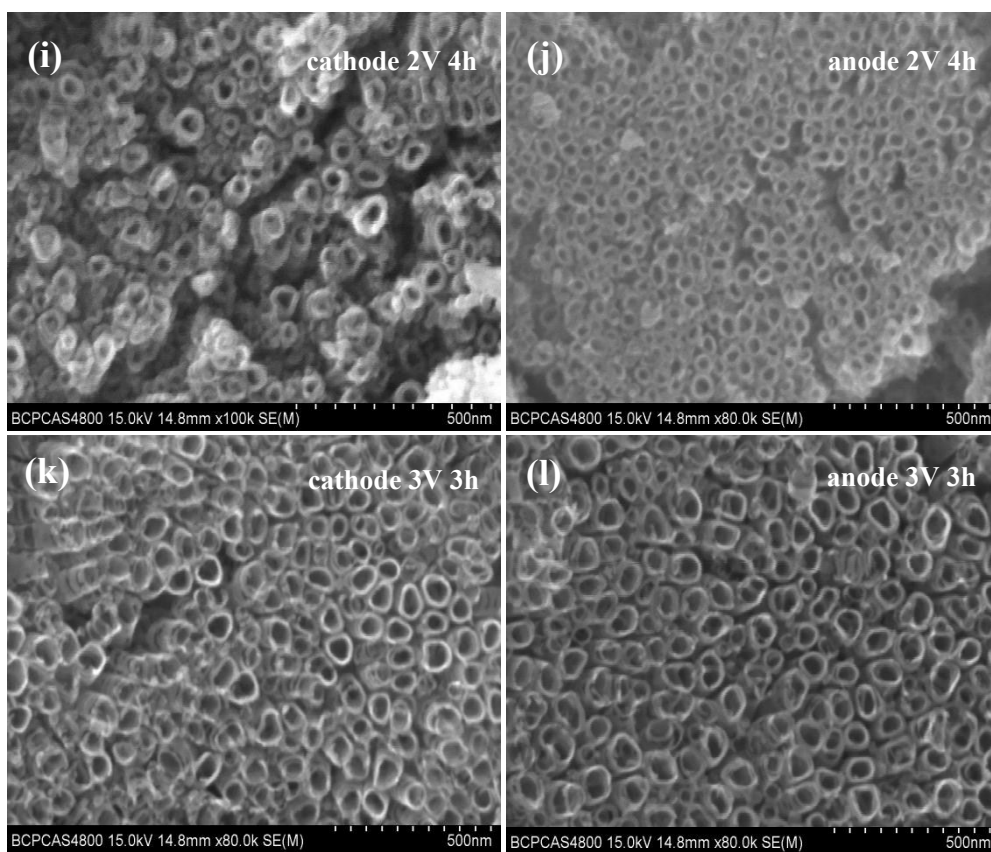


Table S1

Cathode 3D- TNAs/TiO ₂	1V 2h	1V 3h	1.5V 3h	2V 3h	2V 4h	3V 3h
Inner diameter (nm)	31	33	30	41	25	41
Wall thickness (nm)	20	16	12	16	16	10
Particle size (nm)	15	16	12	16	12	12

Table S2

Anode 3D-TNAs/TiO ₂	1V 2h	1V 3h	1.5V 3h	2V 3h	2V 4h	3V 3h
Inner diameter (nm)	31	41	31	41	26	41
Wall thickness (nm)	15	15	20	15	10	10
Particle size (nm)	15	15	15	15	10	10