Electronic Supplementary Material (ESI) for CrystEngComm
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# Supporting Information

## A novel bioaffinity material: the systhesis, biointeraction, and electrochemical behavior of $InVO_4$ nanoribbons

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**Control experiments:**

The water was adjusted to a set of pH values followed by reactants addition. When the pH was higher than 9, $In(OH)_3$ (JCPDS card 73-1810) peaks were observed (Figure S1). In contrast, when decreasing pH to 7, characteristic peak of $VO_2$ (JCPDS card 71-0290) showed up at around 2θ = 9.43° (Figure S2). The intensity of the peak grew large with the decreasing of pH value.

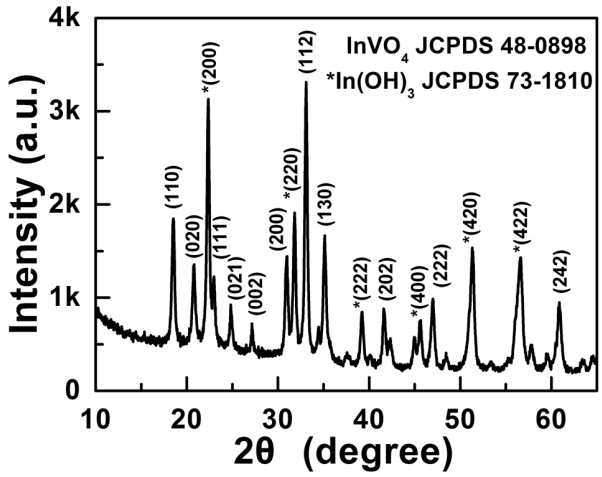


Figure S1. XRD pattern of the sample obtained in the solution with pH 9.

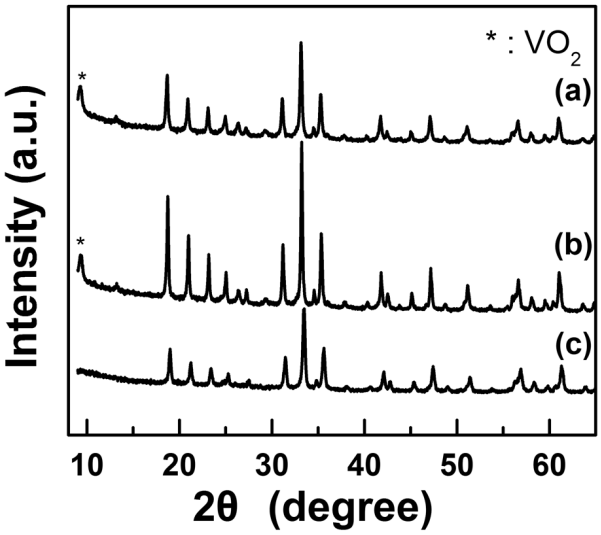


Figure S2. XRD patterns of the samples obtained in the solutions with different pH values: (a) 4, (b) 7, (c) 8.