

Table I. Multilayer structure description (number in front of the compound indicates the number of ALD cycles), their total thicknesses and measured coercivity values

| Multilayer structure description | Total thickness (nm) | Thickness per layer (nm) | | Coercivity values |
|---|-------------------------|--------------------------------|------------------|-------------------|
| | | Co ₃ O ₄ | ZrO ₂ | |
| 2 × (200 × Co ₃ O ₄ + 100 × ZrO ₂) + 200 × Co ₃ O ₄ | 64.0 | 14.0 | 11.1 | 32 Oe |
| 2 × (100 × ZrO ₂ + 200 × Co ₃ O ₄) + 100 × ZrO ₂ | 59.7 | 12.8 | 11.4 | 21 Oe |
| 175 × Fe ₂ O ₃ + 280 × BiOCl | 50 | 31 | 19 | 9757 Oe |
| 80 × Fe ₂ O ₃ + 280 × BiOCl | 33 | 13 | 20 | 4230 Oe |

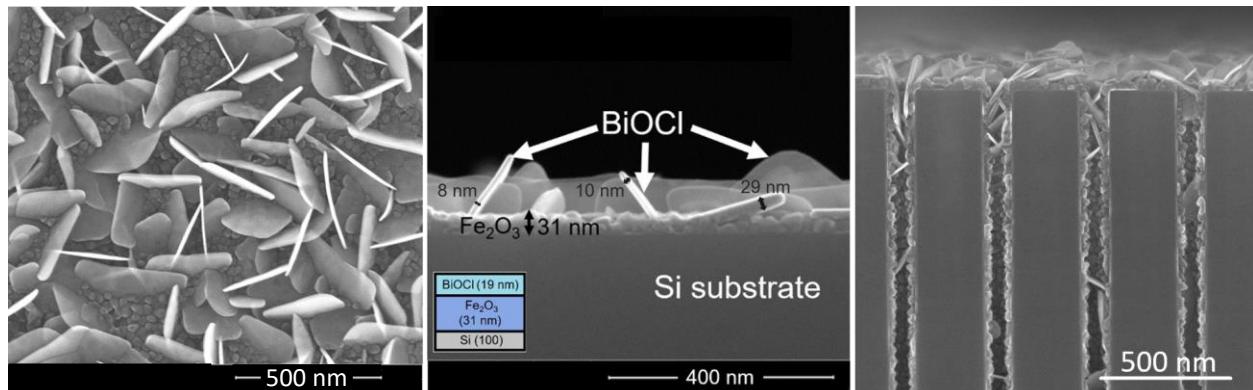


Figure 1. Bird-eye view (left panel) and cross-section views (middle and right panel) of the same type of multilayer structure, which is 175 × Fe₂O₃ + 280 × BiOCl, deposited on a planar (left and middle panel) or 3D-substrate (right panel) [1].

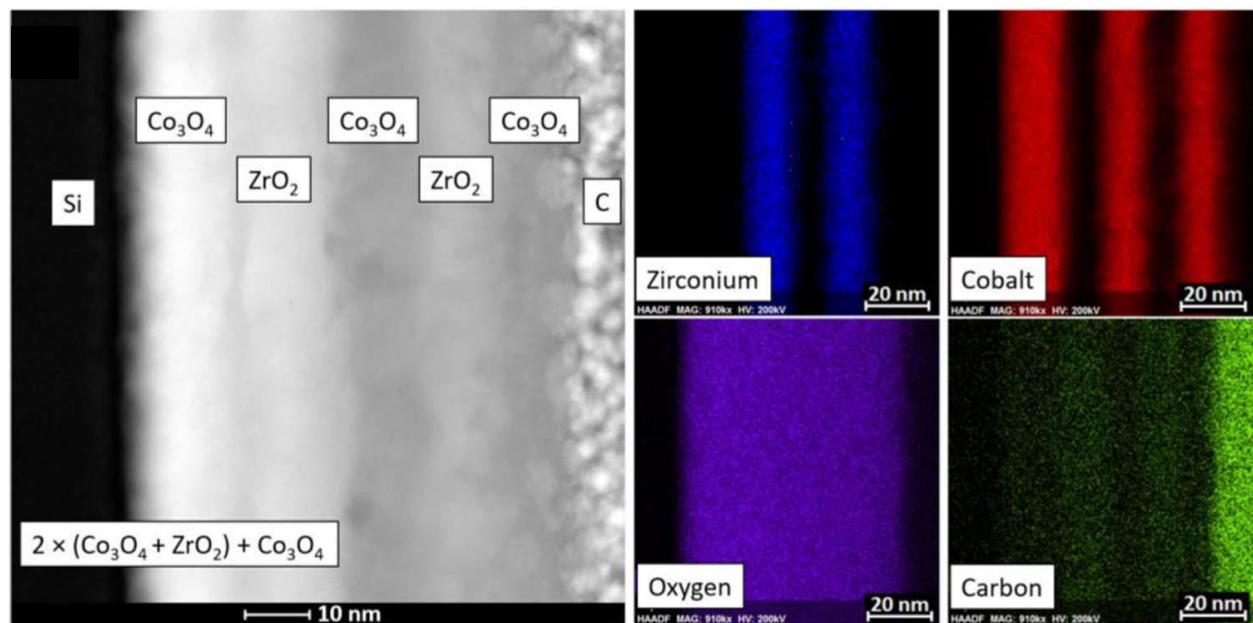


Figure 2. STEM image of the site of interest (left panel) and cross-sectional EDX composition profiling images (middle and right panels) of the 2 × (Co₃O₄ + ZrO₂) + Co₃O₄ nanolaminates [2].