

# Supplementary Information

## Topotactic Engineering of High-Entropy (Oxy)hydroxide Nanotubes for Enhanced Photocatalysis

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Tabla S1. Identification of Raman bands.

| Bands          | OHNT <sub>80</sub>              | OHNT <sub>400</sub> | OHNT <sub>500</sub> | OHNT <sub>600</sub> |
|----------------|---------------------------------|---------------------|---------------------|---------------------|
|                | Raman Shift (cm <sup>-1</sup> ) |                     |                     |                     |
| D <sub>1</sub> |                                 | 309.7               | 311.8               | 330                 |
| D <sub>2</sub> | 361.4                           | 371.7               | 379.9               | 399.8               |
| D <sub>3</sub> | 447.1                           | 441.5               | 441.63              | 454.8               |
| D <sub>4</sub> | 512.6                           | 508.6               | 505.65              | 509.8               |
| D <sub>5</sub> | 583.0                           | 566.9               | 572.38              | 570.1               |
| D <sub>6</sub> | 635.4                           | 628.5               | 626.5               | 656.5               |

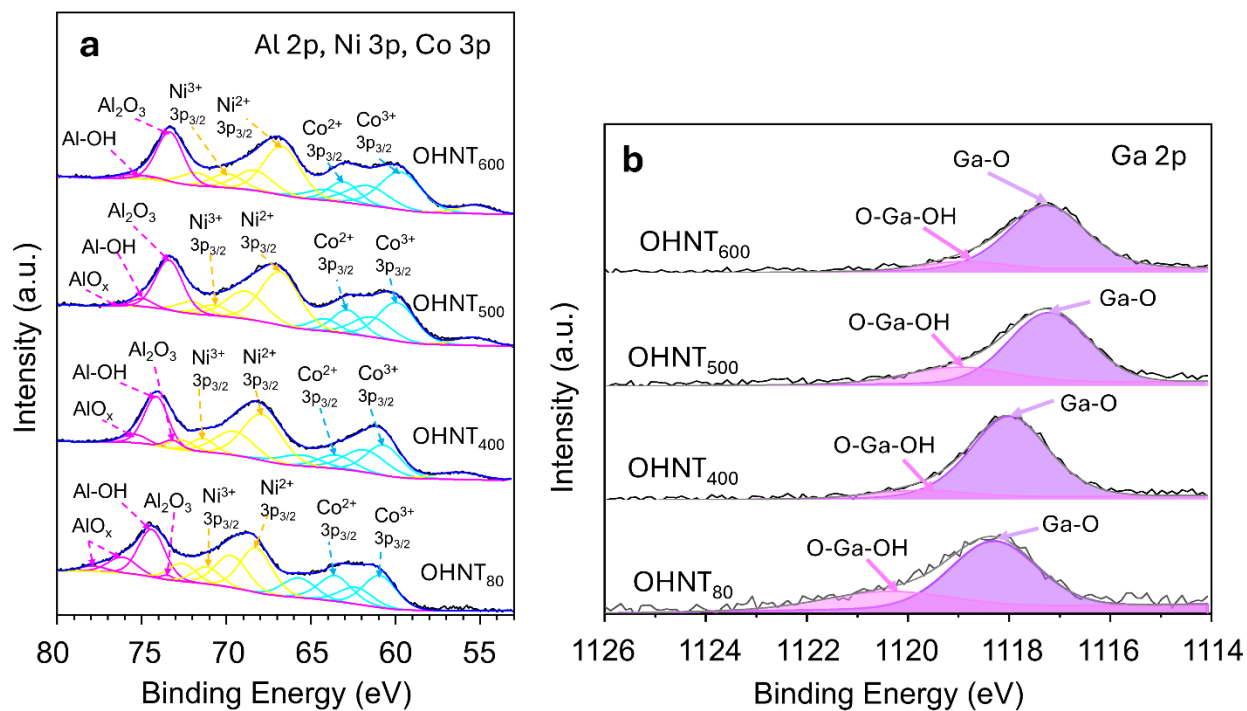


Figure S1. High-resolution XPS spectra for a) Co, Ni, Al, and b) Ga in OHNTs.

