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Electronic Supplementary Information (ESI)

Growth of {100}-Faceted $NaFeTiO_4$ Crystals with Tunable Aspect Ratio from a NaCl–Na_2SO_4 Binary Flux

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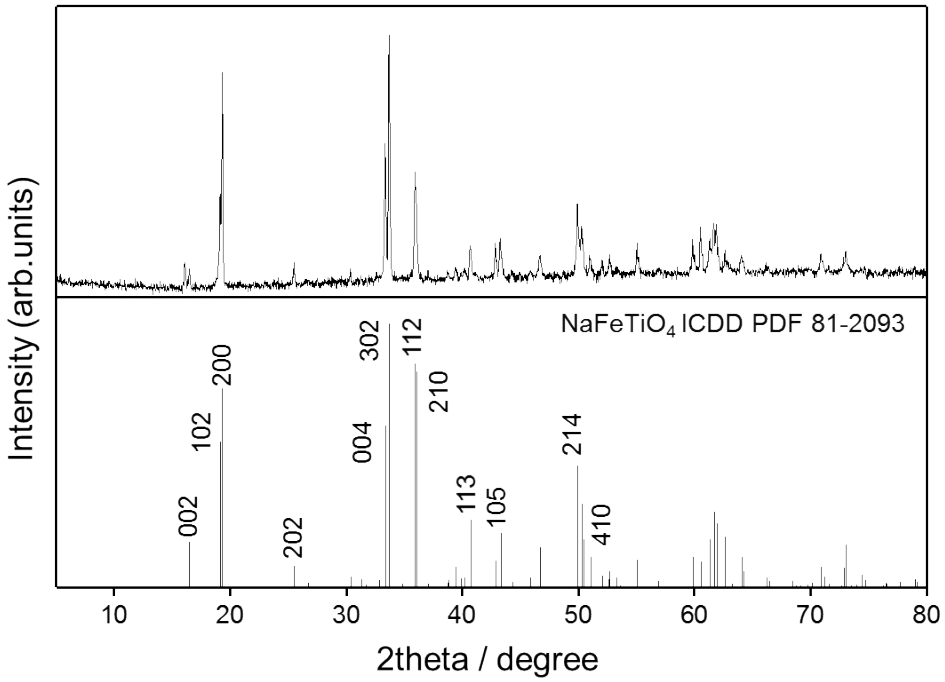

Fig. S1. XRD profiles of as-grown NFTO-SS and $NaFeTiO_4$ ICDD PDF 81-2093.

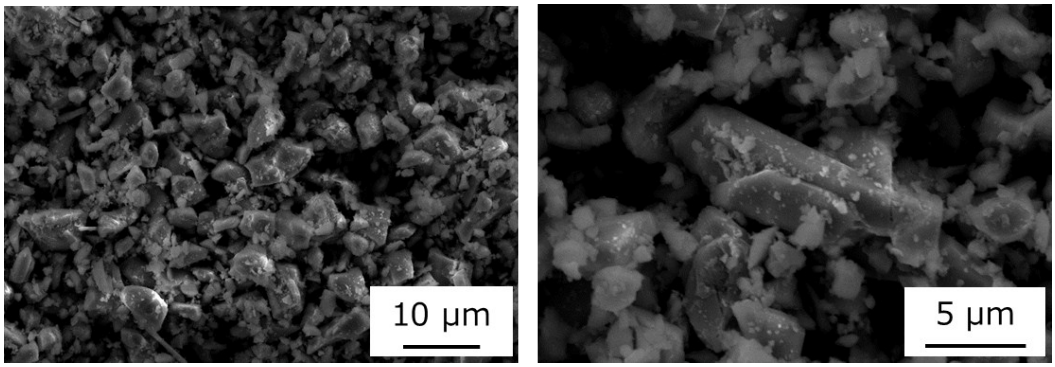

Fig. S2. SEM images of as-grown NFTO-SS.

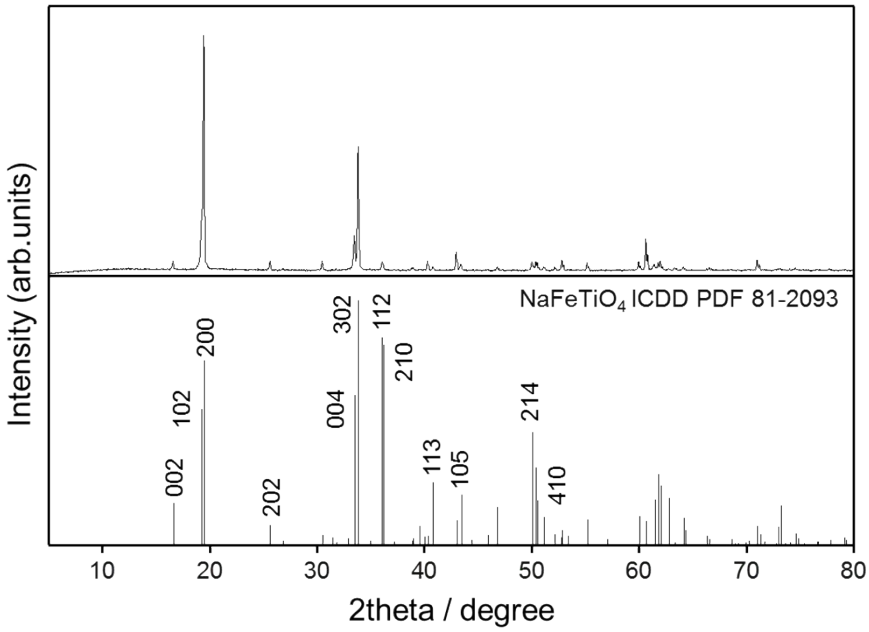

Fig. S3. XRD profiles of as-grown NNS3.0-NFTO-200 and $NaFeTiO_4$ ICDD PDF 81-2093.

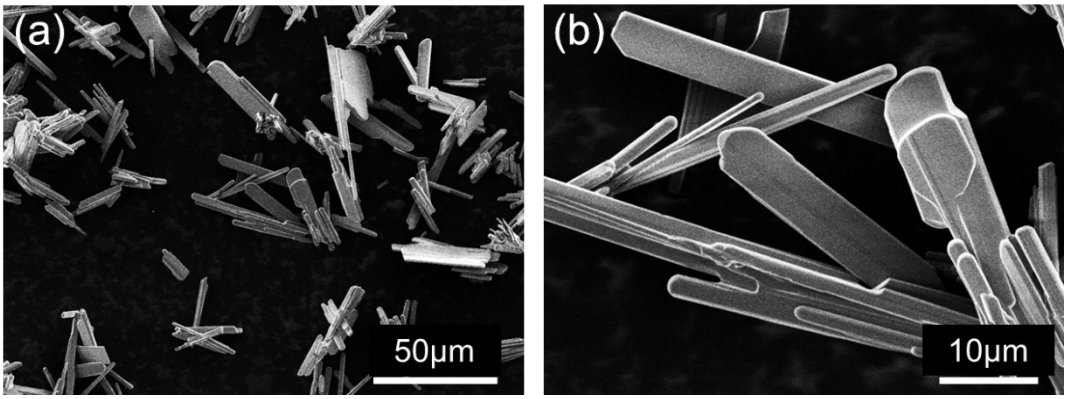

Fig. S4. SEM images of as-grown NNS3.0-NFTO-200.

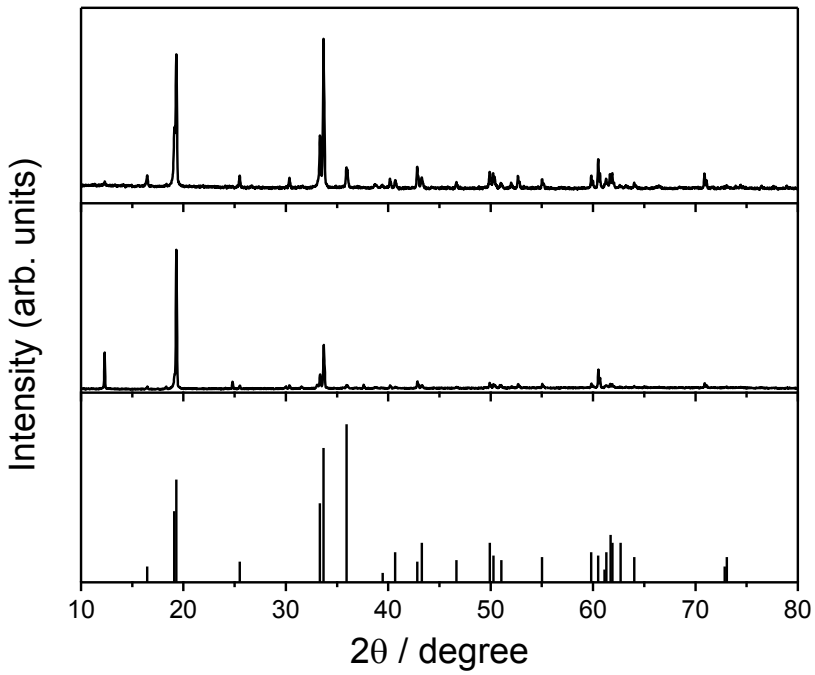

Fig. S5. XRD profiles of (a) as-grown N-NFTO-200, (b) as-grown $NaFeTiO_4$ crystals immersed in binary flux with $NaCl/Na_2SO_4$ = 1.0 at 1000 °C for 10 h using N-NFTO-200 as a precursor, and (c) $NaFeTiO_4$ ICDD PDF 81-2093.

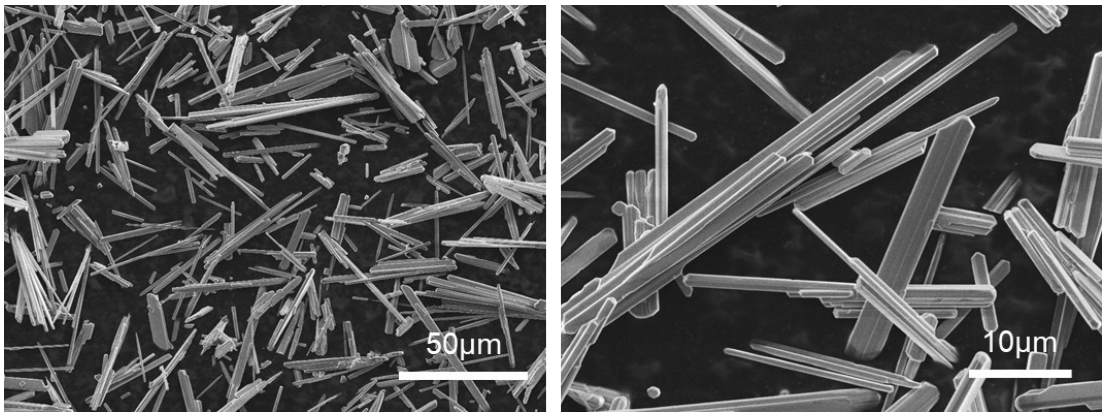

Fig. S6. SEM images of as-grown $NaFeTiO_4$ crystals grown from binary flux with $NaCl/Na_2SO_4$ = 1.0 at 1000 °C for 10 h using N-NFTO-200 as a precursor.

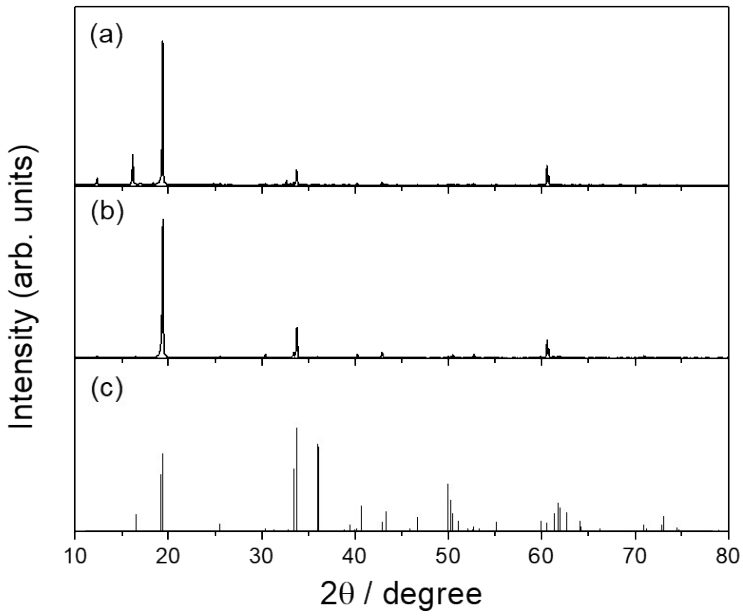

Fig. S7. XRD profiles of as-grown NS-NFTO-200: (a), -500: (b), and (c) $NaFeTiO_4$ ICDD PDF 01-081-2093.

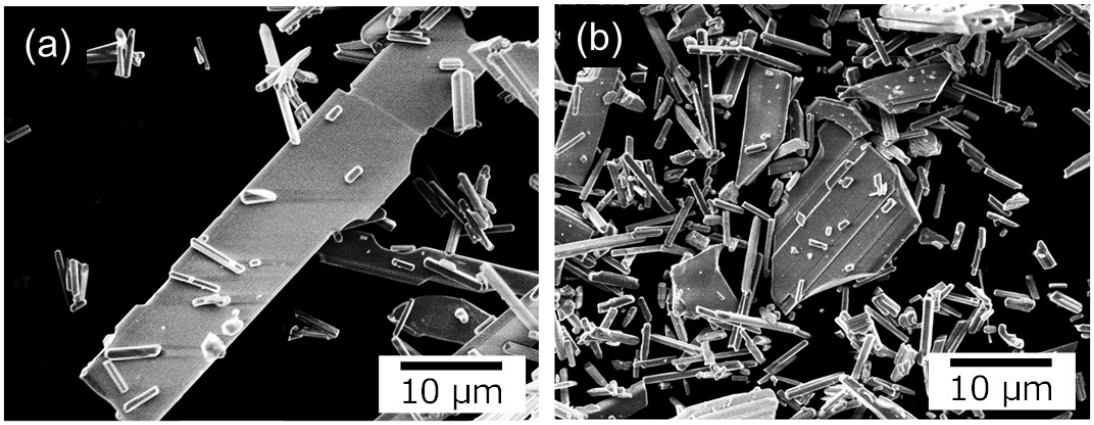

Fig. S8. SEM images of as-grown NS-NFTO-200: (a) and -500: (b).