水滑石基臭氧分解催化剂性能研究

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Study on the performance of hydrotalcite-based ozone decomposition catalyst

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表S1不同LDH的金属元素组成

Table S1 Metal element composition of different LDH

|  |  |  |
| --- | --- | --- |
| Samples | Weight Content(%) by ICP-OES | Molar Ratio |
|  | A | B | A/B |
| Ni3Co | 37.81 | 12.75 | 2.98 |
| Ni3Mn | 39.58 | 12.24 | 3.03 |
| Ni3Fe | 38.60 | 11.31 | 3.25 |
| Co3Fe | 36.34 | 12.78 | 2.70 |



图S1 不同LDH催化剂的N2吸附-脱附等温线

Fig S1 N2 adsorption-desorption isotherms of different LDH catalysts



图S2 不同LDH的热重（TG）曲线

Fig S2 Thermogravimetric curves of different LDHs



图S3 反应前后Ni3Mn-LDH和Co3Fe-LDH催化剂的XRD谱图

Fig S3 XRD patterns of Ni3Mn-LDH and Co3Fe-LDH catalysts before and after the reaction



图S4 反应后Ni3Co-LDH催化剂的XRD谱图

Fig S4 XRD pattern of Ni3Co-G catalyst