**Table S1** Elemental components of the nickel-laden electroplating sludge (Ni sludge) dried at 105 ℃ for 24 h

|  |  |
| --- | --- |
| Primary components in nickel sludge | |
| Elements | Contents (mg/g) |
| Ni | 353.83±3.53 |
| Cu | 2.09±0.05 |
| Cr | 0.37±0.01 |
| Si | 50.94±1.69 |
| Al | 31.39±3.34 |
| Fe | 7.06±0.08 |
| Ca | 40.93±2.60 |