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Addition/Correction

Correction to "Controllable Synthesis of a Porous PEI-Functionalized Co_3O_4/rGO Nanocomposite as an Electrochemical Sensor for Simultaneous as Well as Individual Detection of Heavy Metal Ions"

Afrasiab Ur Rehman, Muhammad Fayaz, He Lv, Yang Liu, Jiawei Zhang, Yang Wang, Lijuan Du, Ruihong Wang, and Keying Shi*

ACS Omega **2022**, 7 (7), 5870−5882. DOI: 10.1021/acsomega.1c05989

Cite This: *ACS Omega* 2023, 8, 24125−24126

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The corresponding author of the paper has been changed to Keying Shi. This change is reflected in the authorship of this Correction. A corrected Supporting Information file reflecting this authorship change is attached to this Correction. No other changes were made to the Supporting Information.

■ ASSOCIATED CONTENT

Supporting Information

The Supporting Information is available free of charge at https://pubs.acs.org/doi/10.1021/acsomega.3c02938.

TEM images of rGO from expanded graphene and rGO·PEI NCP; TEM and HRTEM images of rGO·PEI NCP; TEM image and EDS spectrum of porous rGO·Co_3O_4·PEI NCP; TEM and HRTEM images of porous rGO·Co_3O_4·PEI-1 NCP; TEM images of rGO·Co_3O_4·PEI-1 and rGO·Co_3O_4·PEI-2 NCP; spinel structure of the Co_3O_4 nanoribbon crystal and surface atomic configuration of Co_3O_4; HRTEM images of {220}, {111}, and {110} planes; crystallographic planes and planar density in {111}, {110}, and {220} planes along with the arrangement of atoms; weight lost by VS heat flow; fitted impedance parameters of rGO·Co_3O_4·PEI NCPs; MS results and carrier densities of rGO·Co_3O_4·PEI NCP; individual analysis of rGO·Co_3O_4·PEI NCP; linearization equations, adj. R^2 response of rGO·Co_3O_4·PEI NCP-modified GCE and calibration curves for the simultaneous voltammetry investigation of Cd^{2+}, Pb^{2+}, Cu^{2+}, and Hg^{2+}; CV curves of GO, rGO, rGO·PEI, and rGO·Co_3O_4-modified electrode; EIS curves of GO, rGO, rGO·PEI, and rGO·Co_3O_4-modified electrode; SWV curves of rGO, rGO·PEI, and rGO·Co_3O_4 NCP; SWV analysis at 10 μM concentration and 5 μM concentration of the four HMIs; XPS full spectrum of the PEI-functionalized Co_3O_4/rGO NCP; Co 2p XPS spectrum of the PEI-functionalized Co_3O_4/rGO NCP; statistical calculation data of LOD for simultaneous sensing/detection of the four HMIs using the SWV voltammetry technique; statistical calculation data of LOD for simultaneous degradation of the four HMIs using the DNPV voltammetry technique; statistical calculation data of LOD for individual detection of the four HMIs using the SWV voltammetry technique; results of the porous rGO·Co_3O_4·PEI NCP used for the simultaneous and individual analyses of HMIs by using the SWV electrochemical method; comparison of the LOD (individual analysis via SWV and simultaneous analysis via SWV and DNPV); comparison of simultaneous analysis of HMIs via SWV and WHO; comparison of sensitivity; and comparison study of rGO·Co_3O_4·PEI NCP with previous work used for the sensing/detection of Cd^{2+}, Pb^{2+}, Cu^{2+}, and Hg^{2+} (PDF)

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Published: June 22, 2023

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ACS Omega 2023, 8, 24125−24126