

Supplementary Material

Research on Environmental Stability Performance of Chromite Ore Processing Residue Solidified Products

Ming Xia ^{a,b,c*}, Pengyue Su ^a, Hao Wang ^a, Huicheng Lu ^a, Haiyu Chen ^a, Shujie Zhao ^{d*},

Dongwei Li ^{e*}

^a School of Environmental and Chemical Engineering, Jiangsu Ocean University, Lianyungang,
222005, China

^b Jiangsu Institute of Marine Resources Development, Jiangsu Ocean University, Lianyungang,
222005, China

^c Jiangsu Key Laboratory of Function Control Technology for Advanced Materials, Jiangsu Ocean
University, Lianyungang, 222005, China

^d School of Safety Science and Engineering, Anhui University of Science and Technology,
Huainan, 232001, China

^e State Key Laboratory of Coal Mine Disaster Dynamics and Control, Chongqing University,
Chongqing, 400044, China

*E-mail: xiaming@jou.edu.cn (M. Xia); zsj9506@163.com (SJ. Zhao); lironwei@cqu.edu.cn

(DW. Li).

Contents

Fig. S1. The particle size distribution of COPR.

Fig. S2. The SEM image of COPR.

Fig. S3. The SEM image of BFS.

Fig. S4. The XRD pattern of COPR.

Fig. S5. The FTIR spectra of COPR.

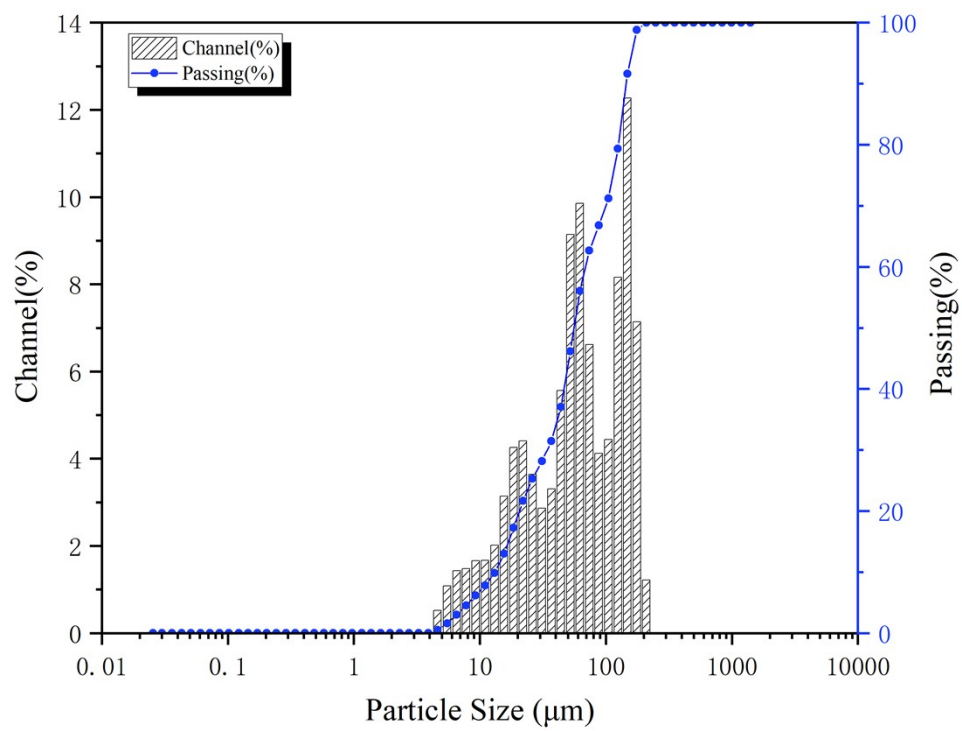


Fig. S1. The particle size distribution of COPR.

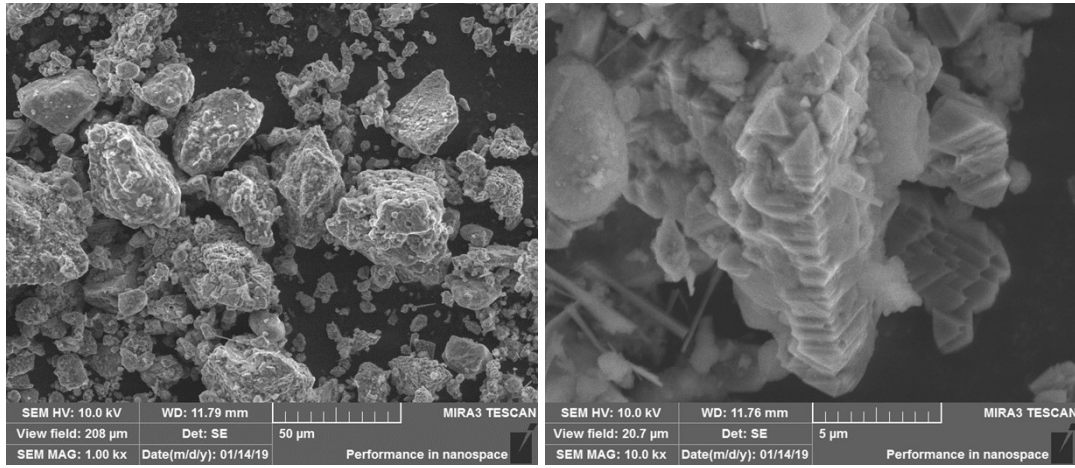


Fig. S2. The SEM image of COPR.

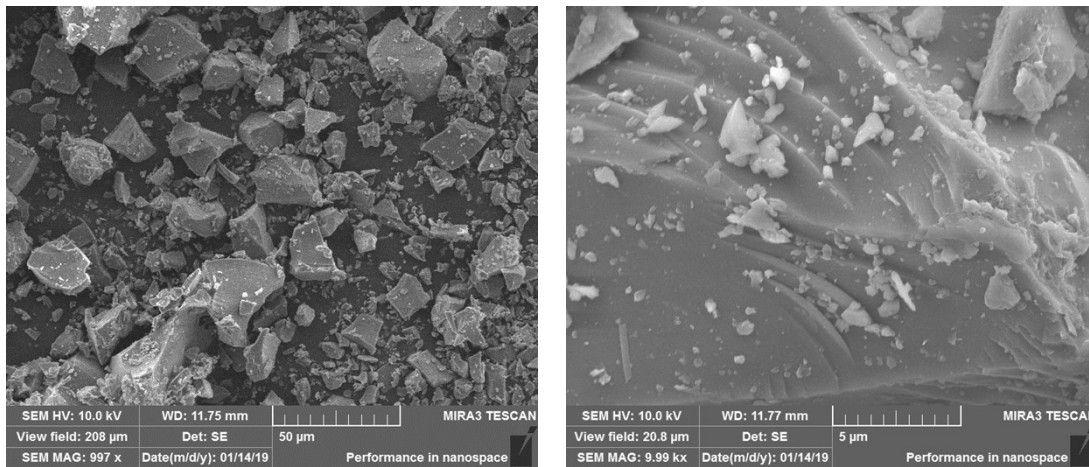


Fig. S3. The SEM image of BFS.

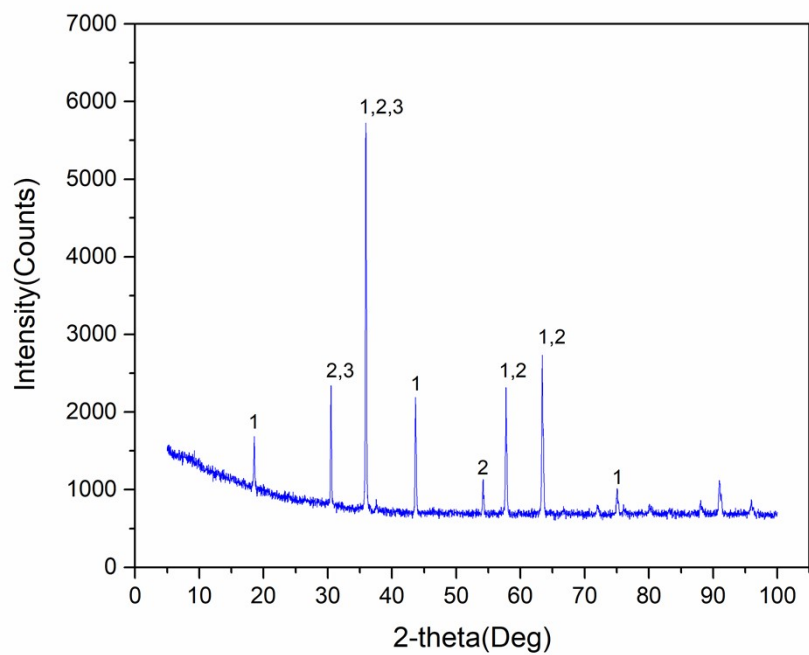


Fig. S4. The XRD patterns of COPR.

1: magnesiochromite, ferroan ($(\text{Mg}, \text{Fe})(\text{Cr}, \text{Al})_2\text{O}_4$), PDF: 09-0353; 2: magnesium alumilium iron oxide ($\text{MgAl}_{1.8}\text{Fe}_{1.2}\text{O}_4$), PDF: 71-1235; 3: magnesium chromium oxide (MgCr_2O_4), PDF: 77-0007.

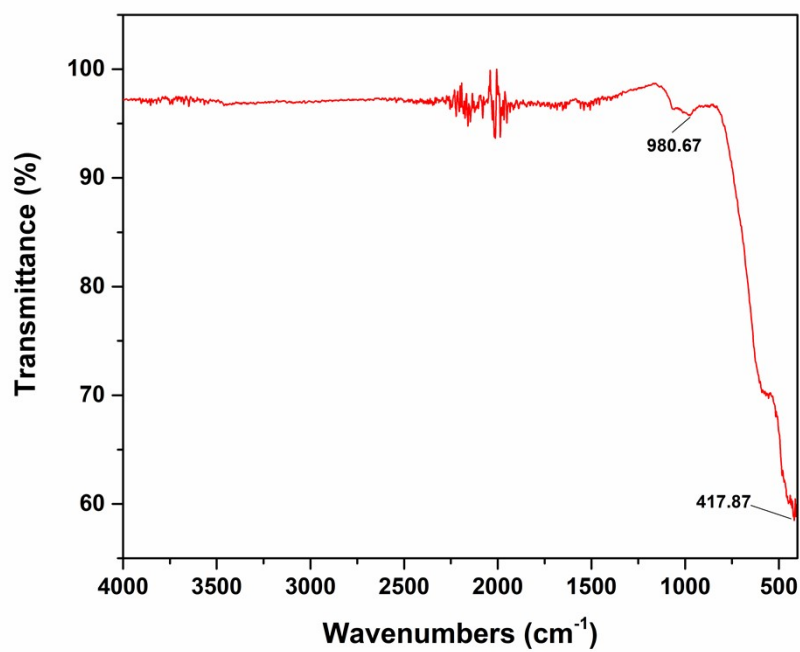


Fig. S5. The FTIR spectra of COPR.

